

| Name | Date | Start Time | End Time | Paper Title | Room | Session Code | Session Title | Session Details |
|-------------------------------------|-------------|------------|----------|--|------------------|------------------------|--|---|
| A. Majid, Huda | 17 Mar 2020 | 09:10 | 09:30 | Single and Dual Beam Waveguide Slotted Antenna Using 3D Printing Technique for 5G Application | B1 | CS38 | ISAP Session: Recent Advances in Asian Antennas and Propagation Research | T02 Millimetre wave 5G / Convened Session / Antennas |
| A. Rahim, Mohamad Kamal | 17 Mar 2020 | 09:10 | 09:30 | Single and Dual Beam Waveguide Slotted Antenna Using 3D Printing Technique for 5G Application | B1 | CS38 | ISAP Session: Recent Advances in Asian Antennas and Propagation Research | T02 Millimetre wave 5G / Convened Session / Antennas |
| Abadpour, Sevda | 17 Mar 2020 | 17:00 | 17:20 | Extraction of Scattering Centers Using a Greedy Algorithm for Traffic Participant | B7 | CS03 | Advanced Radar Measurements, Modelling and System Solutions for Vehicular Applications | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Convened Session / Measurements |
| Abbasi, Naveed Ahmed | 20 Mar 2020 | 08:30 | 08:50 | Channel Measurements and Path Loss Modeling for Indoor THz Communication | A3 | CS37 | IRACON Spectrum Sharing: Challenges and Opportunities for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Abbasi, Qammer H | 17 Mar 2020 | 13:20 | 13:20 | A Recursive Calibration Approach for Smart Antenna Beamforming Frontend | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Abbasi, Qammer H | 17 Mar 2020 | 13:20 | 13:20 | Direction of Arrival Estimation Using Hybrid Spatial Cross-Cumulants and Root-MUSIC | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Abbasi, Qammer H | 17 Mar 2020 | 13:20 | 13:20 | Non-Gaussian Colored Noise Generation for Wireless Channel Simulation with Particle Swarm Optimizer | Exhibition Hall | Poster1-A22 | Poster Session 1: MIMO, diversity, smart antennas & signal processing | Antennas |
| Abbosh, Amin | 16 Mar 2020 | 14:10 | 14:30 | Body Matched Dipole-Loop Composite Antenna with Reconfigurable Focused Field for Non-Alcoholic Fatty Liver Disease Diagnosis Systems | B6 | T05-A12/1 | Wearable and implantable antennas | T05 Biomedical and health / Regular Session / Antennas |
| Abd Aziz, Mohamad Zoinol Abidin Bin | 17 Mar 2020 | 09:10 | 09:30 | Single and Dual Beam Waveguide Slotted Antenna Using 3D Printing Technique for 5G Application | B1 | CS38 | ISAP Session: Recent Advances in Asian Antennas and Propagation Research | T02 Millimetre wave 5G / Convened Session / Antennas |
| Abd Elwahab, Sami M. | 17 Mar 2020 | 11:00 | 11:20 | Pilot Patient Study with the Wavelia Microwave Breast Imaging System for Breast Cancer Detection: Clinical Feasibility and Identified Technical Challenges | B6 | CS60 | Sensors and Systems for Microwave Biomedical Imaging and Sensing | T05 Biomedical and health / Convened Session / Antennas |
| Abd-Alhameed, Raed A | 16 Mar 2020 | 17:00 | 17:20 | Impedance Matching Network Based on Bianisotropic Metasurfaces for Antennas Operating at High Microwave, Millimeter-Wave or Terahertz Frequencies | B11 | T11-E08 | Metamaterials, metasurfaces and advanced materials | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Abd-Alhameed, Raed A | 17 Mar 2020 | 09:50 | 10:10 | Metasurface Structures with Bianisotropic Characteristics for Wide-Angle Impedance Matching in Phased-Array Antennas | B9 | CS09 | Analytical and Numerical Methods for Metasurface Analysis and Design | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Abd-Alhameed, Raed A | 17 Mar 2020 | 09:10 | 09:30 | Compact Millimeter-Wave MIMO Antenna for 5G Applications | B10 | CS39 | Machine Learning in Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Abd-Alhameed, Raed A | 17 Mar 2020 | 09:50 | 10:10 | A Doherty Power Amplifier Based on the Harmonic Generating Mechanism | B10 | CS39 | Machine Learning in Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Abd-Alhameed, Raed A | 17 Mar 2020 | 11:20 | 11:40 | A Compact Frequency Reconfigurable DRA for GSM, LTE, and 5G Applications Services | B10 | CS39 | Machine Learning in Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Abd-Alhameed, Raed A | 17 Mar 2020 | 11:40 | 12:00 | A New Broadband MIMO Antenna System for Sub 6 GHz 5G Cellular Communications | B10 | CS39 | Machine Learning in Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Abd-Alhameed, Raed A | 17 Mar 2020 | 12:00 | 12:20 | Mutual Coupling Effect on Three-Way Doherty Amplifier for Green Compact Mobile Communications | B10 | CS39 | Machine Learning in Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Abd-Alhameed, Raed A | 17 Mar 2020 | 11:00 | 11:20 | A Beam-Steerable Antenna Array with Radiation Beam Reconfigurability for 5G Smartphones | A2 | T02-A04/2 | Millimetre wave arrays for mobile terminals | T02 Millimetre wave 5G / Regular Session / Antennas |
| Abd-Alhameed, Raed A | 19 Mar 2020 | 13:20 | 13:20 | Multi-Mode Smartphone Antenna Array for 5G Massive MIMO Applications | Exhibition Hall | Poster3-A11 | Poster Session 3: Multiband and wideband antennas | Antennas |
| Abd-Alhameed, Raed A | 19 Mar 2020 | 13:20 | 13:20 | Ultra-Wideband MIMO Diversity Antenna System for Future Handsets | Exhibition Hall | Poster3-A11 | Poster Session 3: Multiband and wideband antennas | Antennas |
| Abd-Alhameed, Raed A | 19 Mar 2020 | 13:20 | 13:20 | A Differential-Fed Dual-Polarized High-Gain Filtering Antenna Based on SIW Technology for 5G Applications | Exhibition Hall | Poster3-A23 | Poster Session 3: Other antenna topics | Antennas |
| Abd-Alhameed, Raed A | 20 Mar 2020 | 11:20 | 11:40 | New High-Gain Differential-Fed Dual-Polarized Filtering Microstrip Antenna for 5G Applications | A2 | T01-A22 | MIMO, diversity, smart antennas & signal processing | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Abdalla, Mahmoud Abdelrahman | 19 Mar 2020 | 13:20 | 13:20 | Graphene Printed Flexible and Conformal Array Antenna on Paper Substrate for 5.8GHz Wireless Communications | Exhibition Hall | Poster3-A12 | Poster Session 3: Wearable and implantable antennas | Antennas |
| Abdalmalak, Kerlos Atia | 18 Mar 2020 | 09:30 | 09:50 | Effect of Metal Resistive Losses on the Gain of a THz Planar Spiral Antenna | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Abdalmalak, Kerlos Atia | 18 Mar 2020 | 09:50 | 10:10 | Compact Millimeter and Submillimeter-Wave Photonic Radiometer for Cubesats | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Abdeddaim, Redha | 17 Mar 2020 | 08:30 | 08:50 | Metasurface for Dense Dipole Array Decoupling in Ultra-High Field MRI | B9 | CS09 | Analytical and Numerical Methods for Metasurface Analysis and Design | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Abdeddaim, Redha | 17 Mar 2020 | 11:20 | 11:40 | An Artificial Shield for MRI Birdcage Coil with Constructive Interference | B9 | CS09 | Analytical and Numerical Methods for Metasurface Analysis and Design | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Abdeddaim, Redha | 17 Mar 2020 | 13:20 | 13:20 | Hybridized Electric Dipoles Applications in Ultra-High Field MRI | A2 (Poster Area) | Convened Poster 1-CS27 | Electromagnetics in MRI Applications | T05 Biomedical and health / Convened Session / Electromagnetics |
| Abdeddaim, Redha | 17 Mar 2020 | 13:20 | 13:20 | Experimental Validation of the Concept of an OpenCage Head Coil for Ultra-High Field MRI | A2 (Poster Area) | Convened Poster 1-CS27 | Electromagnetics in MRI Applications | T05 Biomedical and health / Convened Session / Electromagnetics |
| Abdelgwad, Ahmad | 17 Mar 2020 | 13:20 | 13:20 | Printed Dipole MIMO Antenna for Wireless Handheld Terminals | Exhibition Hall | Poster1-A22 | Poster Session 1: MIMO, diversity, smart antennas & signal processing | Antennas |

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|--------------------------|-------------|-------|-------|--|------------------|------------------------|---|--|
| Abdelmageed, Alaa | 18 Mar 2020 | 13:20 | 13:20 | Integral Equation Formulation for Planar Plasmonic Nano Structures in Layered Media | Exhibition Hall | Poster2-E03 | Poster Session 2: Computational and numerical techniques | Electromagnetics |
| Abdelshafy, Ahmed F. | 16 Mar 2020 | 17:20 | 17:40 | Exceptional Points of Degeneracy in Electromagnetic Waveguides and the Role of Symmetries | B1 | SW04 | COST Session CA18223 (SyMat): Periodic Structures with Higher Symmetries | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Abdelshafy, Ahmed F. | 16 Mar 2020 | 14:10 | 14:30 | Degenerate Band Edge Resonances in Air-filled Substrate Integrated Waveguide | B11 | T11-E08 | Metamaterials, metasurfaces and advanced materials | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Abderrazak, Ferdaous | 18 Mar 2020 | 13:20 | 13:20 | Power Transfer Efficiency Analyzed Using Characteristic Mode Coupling Between Two Parallel Loops | Exhibition Hall | Poster2-A02 | Poster Session 2: Antenna interactions and coupling | Antennas |
| Abdipour, Abdolali | 18 Mar 2020 | 13:20 | 13:20 | Millimeter-Wave Wide Scan Beam Steering 5G MIMO Antenna Array in Mobile Terminals | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Abdollahi, Nasim | 17 Mar 2020 | 09:10 | 09:30 | Qualitative Techniques for Generating Spatial Prior Information for Biomedical Microwave Imaging | B6 | CS60 | Sensors and Systems for Microwave Biomedical Imaging and Sensing | T05 Biomedical and health / Convened Session / Antennas |
| Abdollahi, Shekoufeh | 19 Mar 2020 | 13:20 | 13:20 | Time-Domain Reflectometry for Measuring Scattering Parameters: Comparison of M-sequence Device and Step-generator TDR | Exhibition Hall | Poster3-A16 | Poster Session 3: UWB antennas and time-domain techniques | Antennas |
| Abdulkhaleq, Ahmed Maan | 17 Mar 2020 | 09:50 | 10:10 | A Doherty Power Amplifier Based on the Harmonic Generating Mechanism | B10 | CS39 | Machine Learning in Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Abdulkhaleq, Ahmed Maan | 17 Mar 2020 | 11:40 | 12:00 | A New Broadband MIMO Antenna System for Sub 6 GHz 5G Cellular Communications | B10 | CS39 | Machine Learning in Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Abdulkhaleq, Ahmed Maan | 17 Mar 2020 | 12:00 | 12:20 | Mutual Coupling Effect on Three-Way Doherty Amplifier for Green Compact Mobile Communications | B10 | CS39 | Machine Learning in Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Abdulkhaleq, Ahmed Maan | 19 Mar 2020 | 13:20 | 13:20 | A Differential-Fed Dual-Polarized High-Gain Filtering Antenna Based on SIW Technology for 5G Applications | Exhibition Hall | Poster3-A23 | Poster Session 3: Other antenna topics | Antennas |
| Abdulkhaleq, Ahmed Maan | 20 Mar 2020 | 11:20 | 11:40 | New High-Gain Differential-Fed Dual-Polarized Filtering Microstrip Antenna for 5G Applications | A2 | T01-A22 | MIMO, diversity, smart antennas & signal processing | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Abdullah Al-Hadi, Azremi | 17 Mar 2020 | 08:50 | 09:10 | Design of a Quad Band CPW - Fed Compact Flexible Patch Antenna for Wearable Applications | B2 | CS16 | Antennas in IoT Wireless Devices: Modelling and Industrial Considerations | T04 IoT and M2M / Convened Session / Antennas |
| Abdullah Al-Hadi, Azremi | 18 Mar 2020 | 08:50 | 09:10 | Design and Optimization of a Flexible CPW-Fed Slotted Planar Monopole for WLAN/WBAN and 5G | B2 | CS62 | Small Antenna in a Human Body Environment | T04 IoT and M2M / Convened Session / Antennas |
| Abdul-Rahman, Ehab | 16 Mar 2020 | 14:30 | 14:50 | Modeling of a Far-Field Automotive Antenna Range Using Computational Electromagnetic Tools | B7 | CS05 | AMTA Session: Automotive Antenna Measurements and Testing | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Convened Session / Measurements |
| Abe, Tomoki | 20 Mar 2020 | 08:50 | 09:10 | Circularly Polarized Concentric Metaring Antenna | B1 | CS33 | IET Session: New Antenna Systems Involving Application of Metamaterials and Metasurfaces | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Abedi, Soroush | 20 Mar 2020 | 08:30 | 08:50 | Detailed Dielectric Characterisation of the Heart and Great Vessels | B6 | SW06 | H2020 Session ID764479 (EMERALD): Electromagnetic Imaging for a Novel Generation of Medical Devices | T05 Biomedical and health / Convened Session / Electromagnetics |
| Abedi, Soroush | 20 Mar 2020 | 08:50 | 09:10 | Head Phantoms for Microwave Imaging of Brain Strokes | B6 | SW06 | H2020 Session ID764479 (EMERALD): Electromagnetic Imaging for a Novel Generation of Medical Devices | T05 Biomedical and health / Convened Session / Electromagnetics |
| Aberbour, Lyazid | 20 Mar 2020 | 09:50 | 10:10 | A Fast and Rigorous Assessment of the Specific Absorption Rate (SAR) for MIMO Cellular Equipment Based on Vector Near-Field Measurements | B2 | T05-M06 | Dosimetry, exposure, and SAR assessment | T05 Biomedical and health / Regular Session / Measurements |
| Abolhasan, Mehran | 19 Mar 2020 | 13:20 | 13:20 | Ultra Wideband Dual Polarization Metamaterial Absorber for 5G Frequency Spectrum | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Abraham, Jens | 17 Mar 2020 | 13:20 | 13:20 | Achievable Synchronisation Gain in Uncalibrated Large Scale Antenna Systems | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Abutarboush, Hattan F. | 16 Mar 2020 | 14:30 | 14:50 | An Efficient Anisotropic Metasurface for Linear and Circular-Polarization Conversion Applications | B11 | T11-E08 | Metamaterials, metasurfaces and advanced materials | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Adam, Jean-Pierre | 18 Mar 2020 | 13:20 | 13:20 | Design of a Tunable Subwavelength Plasma-Based Resonator for Electrically Small Antenna Applications in L-band | A2 (Poster Area) | Convened Poster 2-CS29 | Exotic Antennas from Nano to Macro Scales | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Addamo, Giuseppe | 17 Mar 2020 | 13:20 | 13:20 | C Band Self Diplexed Tx/Rx Feed System for Telecom | Exhibition Hall | Poster1-A18 | Poster Session 1: Reflector, feed systems, and components | Antennas |
| Addamo, Giuseppe | 17 Mar 2020 | 16:40 | 17:00 | Characteristic Mode Analysis of Multi-Octave Asymmetric Dipoles | B8 | CS15 | Antennas for Radio Astronomy | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Addamo, Giuseppe | 18 Mar 2020 | 11:40 | 12:00 | A Drone-Mounted Q-Band Test-Source for the Validation of the Large Scale Polarization Explorer | B11 | T06-M10 | UAV-Based Antenna Measurements (AMTA) | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Measurements |
| Ade, Peter | 18 Mar 2020 | 08:50 | 09:10 | Analysis Methods for Multimoded Horns for Future THz Missions (SAFARI Instrument for SPICA) | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Ade, Peter | 18 Mar 2020 | 11:00 | 11:20 | The Optical Combiner of QUBIC: The Q & U Bolometric Interferometer for Cosmology | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Ade, Peter | 18 Mar 2020 | 13:20 | 13:20 | Application of non-PEC Walled Mode-Matching Techniques to a Prototype SAFARI M-band Multi-Mode Receiver | Exhibition Hall | Poster2-E03 | Poster Session 2: Computational and numerical techniques | Electromagnetics |

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| Adhikari, Devi | 19 Mar 2020 | 17:00 | 17:20 | Measurements of Opportunistic Aircraft Signals and Verification of a Propagation Prediction Tool in Mountainous Region | B7 | T06-P12 | Radar, localisation and sensing for aircraft and automotive applications | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Propagation |
| Adjali, Imad | 18 Mar 2020 | 13:20 | 13:20 | Statistical Comparison of Coupling Effects Between Thin and Thick Dipoles in Random Sets | Exhibition Hall | Poster2-A02 | Poster Session 2: Antenna interactions and coupling | Antennas |
| Adjei-Frimpong, Bernard | 17 Mar 2020 | 08:30 | 08:50 | First and Second Order Statistics of Two Years Alphasat Ka/Q Band Satellite Propagation Measurements in Budapest | B8 | T09-P08 | Satellite propagation | T09 Space (incl. cubesat) / Regular Session / Propagation |
| Aerts, Arne | 16 Mar 2020 | 17:00 | 17:20 | RSS-based AoA Estimation System for IoT Applications Using Rotman Lens | B5 | T08-A17 | Antennas and techniques for positioning and direction finding | T08 Positioning, localization & tracking / Regular Session / Antennas |
| Afyf, Amal | 17 Mar 2020 | 17:00 | 17:20 | Design of a Resistant Circularly Polarized Tag Antenna with High Performances in the EU UHF RFID Band | B2 | T04-A15 | RFID and backscattering antennas | T04 IoT and M2M / Regular Session / Antennas |
| Afzal, Muhammad Usman | 18 Mar 2020 | 11:20 | 11:40 | A Low-Profile and Efficient Front-End Antenna for Point-to-Point Wireless Communication Links | A2 | T09-A19 | Reflect arrays and transmit arrays | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Aghzout, Otman | 20 Mar 2020 | 08:30 | 08:50 | Deterministic Radio Channel Characterization for Near-Ground Wireless Sensor Networks Deployment Optimization in Smart Agriculture | B9 | T10-P02 | Propagation modelling and simulation | T10 EM modelling and simulation tools / Regular Session / Propagation |
| Agneessens, Sam | 19 Mar 2020 | 11:20 | 11:40 | 5G Over-the-Air Conformance Testing | A3 | CS34 | IET/AMTA Session: Test and Measurement Challenges for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Measurements |
| Agulli, Taoufik | 19 Mar 2020 | 13:20 | 13:20 | Design of Compact Superdirective and Reconfigurable Array Antenna Associated with Non-Foster Elements for IoT | Exhibition Hall | Poster3-A13 | Poster Session 3: Adaptive and reconfigurable antennas | Antennas |
| Ahdi Rezaeieh, Sasan | 16 Mar 2020 | 14:10 | 14:30 | Body Matched Dipole-Loop Composite Antenna with Reconfigurable Focused Field for Non-Alcoholic Fatty Liver Disease Diagnosis Systems | B6 | T05-A12/1 | Wearable and implantable antennas | T05 Biomedical and health / Regular Session / Antennas |
| Ahmed, Afzal | 16 Mar 2020 | 14:30 | 14:50 | An Efficient Anisotropic Metasurface for Linear and Circular-Polarization Conversion Applications | B11 | T11-E08 | Metamaterials, metasurfaces and advanced materials | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Ahmed, Fahad | 16 Mar 2020 | 14:30 | 14:50 | An Efficient Anisotropic Metasurface for Linear and Circular-Polarization Conversion Applications | B11 | T11-E08 | Metamaterials, metasurfaces and advanced materials | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Ahmed, Fahad | 19 Mar 2020 | 13:20 | 13:20 | A Highly Efficient Multifunctional Metasurface for C- And X-Band Applications | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Ahmed, Shahbaz | 17 Mar 2020 | 17:20 | 17:40 | Headband Antenna for Wireless Power Transfer to Millimeter-Sized Neural Implants with Minimal Misalignment Effects | A2 | T04-A20 | Wireless power transfer and inductive coupling | T04 IoT and M2M / Regular Session / Antennas |
| Ai, Bo | 16 Mar 2020 | 14:50 | 15:10 | Millimeter-Wave Channel Characterization for Vehicle-to-Infrastructure Communication | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Ai, Bo | 17 Mar 2020 | 09:50 | 10:10 | Hybrid Channel Modeling for Intra-Wagon Communication in Millimeter-Wave Band | A3 | CS35 | IET/IRACON Session: Propagation Measurements and Modelling for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Ai, Bo | 18 Mar 2020 | 13:20 | 13:20 | Clustering Performance Evaluation Algorithm for Vehicle-to-Vehicle Radio Channels | Exhibition Hall | Poster2-P09 | Poster Session 2: Propagation for vehicular communications | Propagation |
| Ai, Bo | 20 Mar 2020 | 09:50 | 10:10 | Implementation and Evaluation of Ray-Tracing Acceleration Methods in Wireless Communication | B9 | T10-P02 | Propagation modelling and simulation | T10 EM modelling and simulation tools / Regular Session / Propagation |
| Ai, Yun | 20 Mar 2020 | 08:50 | 09:10 | Indoor Channel Estimation Using Single-Snapshot Wideband Measurement | B9 | T10-P02 | Propagation modelling and simulation | T10 EM modelling and simulation tools / Regular Session / Propagation |
| Akasaka, Keita | 20 Mar 2020 | 11:20 | 11:40 | Millimeter-Wave Indoor Channel Measurement and Intra-Cluster Modelling | B11 | CS20 | Assessment and Modeling of Antennas and Radio Channels Jointly | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Akbar, Fannush Shofi | 18 Mar 2020 | 12:00 | 12:20 | Wide-Angular Scanning Performance Enhancement in Linear Arrays via Combining Integrated In-line Subarrays and Amplitude Tapering | B7 | T06-A17 | Automotive antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Akbarzadeh Jahromi, Seyed Abbas | 18 Mar 2020 | 13:20 | 13:20 | Pathloss Calculation for Fat-Intra Body Communication Using Poynting Vector Theory | Exhibition Hall | Poster2-P10 | Poster Session 2: Propagation in biological tissues and body-area propagation | Propagation |
| Akduman, Ibrahim | 20 Mar 2020 | 11:40 | 12:00 | Monitoring Tumor Response During Chemotherapy Treatment with Microwave Imaging | B6 | SW06 | H2020 Session ID764479 (EMERALD): Electromagnetic Imaging for a Novel Generation of Medical Devices | T05 Biomedical and health / Convened Session / Electromagnetics |
| Åkesson, Daniel | 20 Mar 2020 | 08:30 | 08:50 | Integrated Doherty Power Amplifier - Antenna Element with Active Impedance Modulation: Efficiency vs. Bandwidth Trade-Offs | A2 | T01-A22 | MIMO, diversity, smart antennas & signal processing | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Akinci, Mustafa | 18 Mar 2020 | 11:20 | 11:40 | Quiet Zone Verification of Plane Wave Synthesizer Using Polar Near-Field Scanner | A3 | CS06 | AMTA/IRACON Session: Over-The-Air Testing of 5G Radios | T02 Millimetre wave 5G / Convened Session / Measurements |
| Akinsolu, Mobayode | 17 Mar 2020 | 08:30 | 08:50 | Machine Learning-assisted Antenna Design Optimization: A Review and the State-of-the-art | B10 | CS39 | Machine Learning in Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Al Shanawani, Mazen | 20 Mar 2020 | 11:20 | 11:40 | Highly-Reconfigurable Time-based Radiating Systems and Their Optimization | A3 | CS37 | IRACON Spectrum Sharing: Challenges and Opportunities for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Alabd, Mohamad Basim | 19 Mar 2020 | 08:50 | 09:10 | An OCDM Radar-Communication System | B5 | CS25 | Convergence of Mobile Radio and Radar | T08 Positioning, localization & tracking / Convened Session / Propagation |
| AlAbdullah, Ali A. S. | 19 Mar 2020 | 13:20 | 13:20 | Ultra-Wideband MIMO Diversity Antenna System for Future Handsets | Exhibition Hall | Poster3-A11 | Poster Session 3: Multiband and wideband antennas | Antennas |

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|--------------------------------|-------------|-------|-------|---|------------------|------------------------|--|--|
| Ala-Laurinaho, Juha | 17 Mar 2020 | 08:30 | 08:50 | Dual-Polarized mm-Wave Antenna Solution for Mobile Phone | A2 | T02-A04/2 | Millimetre wave arrays for mobile terminals | T02 Millimetre wave 5G / Regular Session / Antennas |
| Ala-Laurinaho, Juha | 18 Mar 2020 | 13:20 | 13:20 | Characterizing 60 GHz Patch Antenna Segments for Fully Digital Transceiver | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Ala-Laurinaho, Juha | 18 Mar 2020 | 13:20 | 13:20 | Axicon-hyperbolic Lens for Reflectivity Measurements of Curved Surfaces | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Ala-Laurinaho, Juha | 19 Mar 2020 | 13:20 | 13:20 | Beam Optimization for 28 GHz Phased Array Utilizing Measurement Data | Exhibition Hall | Poster3-M10 | Poster Session 3: General antenna measurements | Measurements |
| Alayón Glazunov, Andrés | 16 Mar 2020 | 17:00 | 17:20 | High-Performance Wideband Horn Antenna for Direction Finding Arrays | B4 | T07-A17 | Multiband, wideband and array antennas | T07 Defence and security / Regular Session / Antennas |
| Alayón Glazunov, Andrés | 17 Mar 2020 | 13:20 | 13:20 | 5G Wideband Magneto-Electric Dipole Antenna Fed by a Single-Layer Corporate-Feed Network Based on Ridge Gap Waveguide | A2 (Poster Area) | Convened Poster 1-CS10 | Antenna Array and Integrated Systems for 5G Communication Applications | T02 Millimetre wave 5G / Convened Session / Antennas |
| Alayón Glazunov, Andrés | 17 Mar 2020 | 13:20 | 13:20 | Microstrip to Ridge Gap Waveguide Transition for 28 GHz Steerable Slot Array Antennas | A2 (Poster Area) | Convened Poster 1-CS18 | Applications of mm-Wave Gap Waveguide Technology-I | T02 Millimetre wave 5G / Convened Session / Antennas |
| Alayón Glazunov, Andrés | 18 Mar 2020 | 09:50 | 10:10 | Chamber Array Antenna Layout for Compact OTA Measurements | A3 | CS06 | AMTA/IRACON Session: Over-The-Air Testing of 5G Radios | T02 Millimetre wave 5G / Convened Session / Measurements |
| Alayón Glazunov, Andrés | 20 Mar 2020 | 11:20 | 11:40 | Simulation-based Investigation on Massive Multi-Antenna System as to Spatial Channel Hardening for Mobile Single User in a Controlled Multipath Environment | B9 | T10-P02 | Propagation modelling and simulation | T10 EM modelling and simulation tools / Regular Session / Propagation |
| Albadalejo-Lijarcio, Juan Luis | 16 Mar 2020 | 14:50 | 15:10 | Design of an Impedance-Matched Horn Antenna with Enhanced Directivity Using Conformal Transformation Optics | B8 | T09-A09 | Millimetre wave lens antennas for space applications | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Albadri, Noor | 19 Mar 2020 | 13:20 | 13:20 | E-Field Distribution in Ex-Vivo Porcine Skin Layer from a Subsurface UHF Transmitter | Exhibition Hall | Poster3-A12 | Poster Session 3: Wearable and implantable antennas | Antennas |
| Albani, Matteo | 18 Mar 2020 | 13:20 | 13:20 | Analytical Study of Dielectric-wall Conical Horn Antennas | A2 (Poster Area) | Convened Poster 2-CS50 | Novel Wave Phenomena in Metamaterials and Metasurfaces Applied to Antennas and Propagation | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Albani, Matteo | 18 Mar 2020 | 13:20 | 13:20 | Ray-tracing in Dielectric Inhomogeneous Metalenses | A2 (Poster Area) | Convened Poster 2-CS50 | Novel Wave Phenomena in Metamaterials and Metasurfaces Applied to Antennas and Propagation | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Albani, Matteo | 19 Mar 2020 | 09:10 | 09:30 | An Overview of the Techniques to Generate Limited-diffractive Bessel Beams and Localized Pulses by Using RLSA and Leaky-Wave Antennas | B4 | CS44 | Near-Field Focusing and Pulse Generation Through Localized Waves | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Al-Bassam, Amar | 19 Mar 2020 | 08:30 | 08:50 | Broadside Radiation Equalization Through Mode Coupling Balancing in Periodic Leaky-Wave Antennas | B2 | CS46 | New Trends in Leaky Wave Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Alberro, Jose | 18 Mar 2020 | 11:00 | 11:20 | The Optical Combiner of QUBIC: The Q & U Bolometric Interferometer for Cosmology | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Alecci, Marcello | 17 Mar 2020 | 13:20 | 13:20 | Design of Distributed Spiral Resonators for the Decoupling of MRI Array Coils | A2 (Poster Area) | Convened Poster 1-CS27 | Electromagnetics in MRI Applications | T05 Biomedical and health / Convened Session / Electromagnetics |
| Alejos, Ana | 20 Mar 2020 | 08:30 | 08:50 | Deterministic Radio Channel Characterization for Near-Ground Wireless Sensor Networks Deployment Optimization in Smart Agriculture | B9 | T10-P02 | Propagation modelling and simulation | T10 EM modelling and simulation tools / Regular Session / Propagation |
| Alencar, Marcelo S. | 19 Mar 2020 | 09:50 | 10:10 | Cell-Free at Millimeter Wave Frequency Simulation Using the Ray Tracing Method | B1 | T02-P02 | Millimetre wave propagation modelling | T02 Millimetre wave 5G / Regular Session / Propagation |
| Alencar, Marina | 18 Mar 2020 | 13:20 | 13:20 | Dual-Band Band-Pass Frequency Selective Surface Based on the Matryoshka Geometry with Angular Stability and Polarization Independence | Exhibition Hall | Poster2-E07 | Poster Session 2: Frequency and polarization selective surfaces | Electromagnetics |
| Alex-Amor, Antonio | 16 Mar 2020 | 14:50 | 15:10 | Holey and Pinned Structures Comparison for Waveguide Phase Shifters | B1 | SW04 | COST Session CA18223 (SyMat): Periodic Structures with Higher Symmetries | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Alex-Amor, Antonio | 17 Mar 2020 | 08:50 | 09:10 | Elliptical Glide-Symmetric Holey Metasurfaces for Wideband Anisotropy | B9 | CS09 | Analytical and Numerical Methods for Metasurface Analysis and Design | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Alex-Amor, Antonio | 18 Mar 2020 | 13:20 | 13:20 | Design of Compact H-plane SIW Antenna at Ka Band | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Alexandridis, Antonis A | 19 Mar 2020 | 13:20 | 13:20 | L/S & C Band Medium Gain Ridge Horn Intercomparison Campaign Results | Exhibition Hall | Poster3-M10 | Poster Session 3: General antenna measurements | Measurements |
| Algaba Brazález, Astrid | 16 Mar 2020 | 15:10 | 15:30 | Design of Antenna Arrays Using Groove Gap Waveguide Technology Implemented with Glide Symmetric Holes | B1 | SW04 | COST Session CA18223 (SyMat): Periodic Structures with Higher Symmetries | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Algaba Brazález, Astrid | 19 Mar 2020 | 13:20 | 13:20 | A Compact Mass-producible E-band Bandpass Filter Based on Multi-layer Waveguide Technology | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Al-Husseini, Mohammed | 19 Mar 2020 | 08:50 | 09:10 | An NRW Extension for Dielectric Characterization of Arbitrary Length Low-Loss Materials | B6 | T05-A12/2 | Point of Care Microwave Sensors | T05 Biomedical and health / Regular Session / Antennas |
| Ali, Amjad | 19 Mar 2020 | 13:20 | 13:20 | A Passive RFID Tag for Biomass Tracking | Exhibition Hall | Poster3-A15 | Poster Session 3: RFID antennas/sensors and systems | Antennas |
| Ali, Mohammad | 17 Mar 2020 | 13:20 | 13:20 | Printed Dipole MIMO Antenna for Wireless Handheld Terminals | Exhibition Hall | Poster1-A22 | Poster Session 1: MIMO, diversity, smart antennas & signal processing | Antennas |

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|----------------------------|-------------|-------|-------|---|------------------|------------------------|---|--|
| Ali, Muhsin | 16 Mar 2020 | 17:00 | 17:20 | A Photonic Beam-Steerable Mm-wave Antenna Array for Radio over Fiber Applications | A2 | T02-A04/1 | Millimetre wave arrays for mobile communications | T02 Millimetre wave 5G / Regular Session / Antennas |
| Ali, Tamer | 17 Mar 2020 | 13:20 | 13:20 | An Asymmetric Star Design for the Dynamic Control of Quantum-Emitter-Coupled Plasmonic Nanoantenna Emission | Exhibition Hall | Poster1-A07 | Poster Session 1: Dielectric resonator antennas | Antennas |
| Aliakbari, Hanieh | 17 Mar 2020 | 13:20 | 13:20 | Compact and Low Cost Linear Antenna Array for Millimeter Wave Automotive Radar Applications | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Aliakbari, Hanieh | 17 Mar 2020 | 13:20 | 13:20 | Enhanced Low Band MIMO Terminal Antenna Based on Selective Feeding of Chassis Modes | Exhibition Hall | Poster1-A22 | Poster Session 1: MIMO, diversity, smart antennas & signal processing | Antennas |
| Aliakbarian, Hadi | 18 Mar 2020 | 08:50 | 09:10 | Design and Optimization of a Flexible CPW-Fed Slotted Planar Monopole for WLAN/WBAN and 5G | B2 | CS62 | Small Antenna in a Human Body Environment | T04 IoT and M2M / Convened Session / Antennas |
| Aliakbarian, Hadi | 19 Mar 2020 | 13:20 | 13:20 | A Sectoral Conformal Array Antenna with an Improved Circular Polarized Patch for UHF Radiosonde Receivers | Exhibition Hall | Poster3-A13 | Poster Session 3: Adaptive and reconfigurable antennas | Antennas |
| Alibakhshikenari, Mohammad | 16 Mar 2020 | 17:00 | 17:20 | Impedance Matching Network Based on Bianisotropic Metasurfaces for Antennas Operating at High Microwave, Millimeter-Wave or Terahertz Frequencies | B11 | T11-E08 | Metamaterials, metasurfaces and advanced materials | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Alibakhshikenari, Mohammad | 17 Mar 2020 | 09:50 | 10:10 | Metasurface Structures with Bianisotropic Characteristics for Wide-Angle Impedance Matching in Phased-Array Antennas | B9 | CS09 | Analytical and Numerical Methods for Metasurface Analysis and Design | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Alic, Ivan | 18 Mar 2020 | 09:10 | 09:30 | Fast Measurements of Dielectric Properties with Small Size Microwave Transceiver | B6 | SW03 | COST Session CA17115 (MyWAVE): Supporting Medical Device Development via Dielectric and Thermal Tissue Characterization | T05 Biomedical and health / Convened Session / Measurements |
| Alieldin, Ahmed | 16 Mar 2020 | 17:00 | 17:20 | A Novel Duplexing Antenna for Feedback Wireless Power Transfer | B9 | CS43 | Near- and Far-Field Wireless Power Transfer | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Aliverti, Andrea | 17 Mar 2020 | 08:50 | 09:10 | Breast Cancer Imaging Using a 24 GHz Ultra-Wideband MIMO FMCW Radar: System Considerations and First Imaging Results | B6 | CS60 | Sensors and Systems for Microwave Biomedical Imaging and Sensing | T05 Biomedical and health / Convened Session / Antennas |
| Alja'afreh, Saqer S | 19 Mar 2020 | 13:20 | 13:20 | A Dual-Element Folded Strip Monopole with SRR Loading for Multiband Handset MIMO Applications | Exhibition Hall | Poster3-A11 | Poster Session 3: Multiband and wideband antennas | Antennas |
| Alja'afreh, Saqer S | 19 Mar 2020 | 13:20 | 13:20 | A Dual-Port, Dual-Polarized and Wideband Slot Rectenna for Ambient RF Energy Harvesting | Exhibition Hall | Poster3-A20 | Poster Session 3: Antennas for wireless power transmission and harvesting | Antennas |
| Alkaraki, Shaker | 16 Mar 2020 | 17:40 | 18:00 | 28 GHz Millimeter Wave Multibeam Antenna Array with Compact Reconfigurable Feeding Network | A2 | T02-A04/1 | Millimetre wave arrays for mobile communications | T02 Millimetre wave 5G / Regular Session / Antennas |
| Alkas, Banu Didem | 19 Mar 2020 | 13:20 | 13:20 | Ultra Wideband Frequency Reconfigurable Antenna for Wireless Systems | Exhibition Hall | Poster3-A13 | Poster Session 3: Adaptive and reconfigurable antennas | Antennas |
| Allén, Markus | 19 Mar 2020 | 17:40 | 18:00 | Millimeter-Wave Automotive Radar Scheme with Passive Reflector for Blind Corner Conditions | B7 | T06-P12 | Radar, localisation and sensing for aircraft and automotive applications | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Propagation |
| Allende-Alba, Gerardo | 19 Mar 2020 | 13:20 | 13:20 | Proposal of GNSS Satellite Antenna Performance Evaluation Based on Reconstructed Gain Patterns | Exhibition Hall | Poster3-M07 | Poster Session 3: Satellite and aerospace antenna characterisation | Measurements |
| Almajali, E'qab | 19 Mar 2020 | 13:20 | 13:20 | A Dual-Element Folded Strip Monopole with SRR Loading for Multiband Handset MIMO Applications | Exhibition Hall | Poster3-A11 | Poster Session 3: Multiband and wideband antennas | Antennas |
| Almela, Alejandro | 18 Mar 2020 | 11:00 | 11:20 | The Optical Combiner of QUBIC: The Q & U Bolometric Interferometer for Cosmology | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Almeshehe, Muataz Watheq | 17 Mar 2020 | 09:10 | 09:30 | Single and Dual Beam Waveguide Slotted Antenna Using 3D Printing Technique for 5G Application | B1 | CS38 | ISAP Session: Recent Advances in Asian Antennas and Propagation Research | T02 Millimetre wave 5G / Convened Session / Antennas |
| Almutawa, Ahmad T. | 19 Mar 2020 | 11:20 | 11:40 | Leaky-Wave Analysis of an Ultrathin Planar High Impedance Surface Antenna | B2 | CS46 | New Trends in Leaky Wave Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Almutawa, Ahmad T. | 19 Mar 2020 | 16:40 | 17:00 | Review of Recent Advances in the Leaky-Wave Analysis of 2-D Leaky-Wave Antennas | B2 | T02-A10 | Leaky-wave and Traveling-wave Antennas | T02 Millimetre wave 5G / Regular Session / Antennas |
| Alnujaim, Ibrahim | 18 Mar 2020 | 13:20 | 13:20 | Human Motion Detection Using Planar Array FMCW Radar Through 3D Point Clouds | Exhibition Hall | Poster2-P12 | Poster Session 2: Radar, localisation, and sensing | Propagation |
| Aloi, Daniel N | 16 Mar 2020 | 14:30 | 14:50 | Modeling of a Far-Field Automotive Antenna Range Using Computational Electromagnetic Tools | B7 | CS05 | AMTA Session: Automotive Antenna Measurements and Testing | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Convened Session / Measurements |
| Alonso, Rafael | 17 Mar 2020 | 13:20 | 13:20 | Analysis of Snow Water Equivalent (SWE) of Snowpack by an Ultra Wide Band Step Frequency Continuous Wave Radar (SFCW) | A2 (Poster Area) | Convened Poster 1-CS08 | Analysis, Design and Use of Microwave Techniques, Models, Systems, and Antennas for Snowpack Avalanches Monitoring | T08 Positioning, localization & tracking / Convened Session / Propagation |
| Alonso-delPino, Maria | 17 Mar 2020 | 13:20 | 13:20 | On the Development of a Scanning Lens Phased Array at 550GHz | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Alonso-delPino, Maria | 18 Mar 2020 | 09:10 | 09:30 | Antennas, Arrays, and Systems for Submillimeter-Wave Radio Astronomy | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Alptekin Soydan, Damla | 17 Mar 2020 | 13:20 | 13:20 | An Improved Receiver for Harmonic Motion Microwave Doppler Imaging | Exhibition Hall | Poster1-M04 | Poster Session 1: Data acquisition, imaging algorithms and processing methods | Measurements |
| Alquié, Georges | 18 Mar 2020 | 13:20 | 13:20 | Compact Honey-Cell CSRR-based Microwave Biosensor for Monitoring Glucose Levels | Exhibition Hall | Poster2-P10 | Poster Session 2: Propagation in biological tissues and body-area propagation | Propagation |

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| Alquié, Georges | 19 Mar 2020 | 12:00 | 12:20 | Multiple-Pole CSRR-based Microwave Sensor for Glucose Levels Detection | B6 | T05-A12/2 | Point of Care Microwave Sensors | T05 Biomedical and health / Regular Session / Antennas |
| Al-Rawi, Ali | 17 Mar 2020 | 13:20 | 13:20 | 64 Element Active Phased Array as Focal Plane Array Feed for Reflector Antennas for mm-Wave Wireless Communications | Exhibition Hall | Poster1-A18 | Poster Session 1: Reflector, feed systems, and components | Antennas |
| Al-Sadoon, Mohammed | 19 Mar 2020 | 13:20 | 13:20 | A Differential-Fed Dual-Polarized High-Gain Filtering Antenna Based on SIW Technology for 5G Applications | Exhibition Hall | Poster3-A23 | Poster Session 3: Other antenna topics | Antennas |
| Alsaker, Erik W | 17 Mar 2020 | 11:20 | 11:40 | Variability of Gaseous Attenuation at Very Low Elevation Angle Slant Paths; Measurements and Modelling | B8 | T09-P08 | Satellite propagation | T09 Space (incl. cubesat) / Regular Session / Propagation |
| Al-Saman, Ahmed | 20 Mar 2020 | 08:50 | 09:10 | Indoor Channel Estimation Using Single-Snapshot Wideband Measurement | B9 | T10-P02 | Propagation modelling and simulation | T10 EM modelling and simulation tools / Regular Session / Propagation |
| Alsolamy, Faris | 19 Mar 2020 | 11:40 | 12:00 | Cylindrical Aperture Synthesis with Metasurfaces | B2 | CS46 | New Trends in Leaky Wave Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Altan, Omer | 16 Mar 2020 | 17:00 | 17:20 | A Biodegradable Implant Antenna Detecting Post-Surgical Infection | B6 | T05-A12/1 | Wearable and implantable antennas | T05 Biomedical and health / Regular Session / Antennas |
| Altinozen, Ekrem | 19 Mar 2020 | 13:20 | 13:20 | Green Coordinates for Generation of Conformal Antenna Geometries | Exhibition Hall | Poster3-A06 | Poster Session 3: Conformal antennas | Antennas |
| Alù, Andrea | 16 Mar 2020 | 11:10 | 11:50 | Present and Future Trends in Electromagnetics and Metamaterials | A2 | IK 02 | Keynote 2 | |
| Alù, Andrea | 16 Mar 2020 | 17:00 | 17:20 | Spatial and Spatio-Temporal Modulations for Advanced Wave Control with Metasurfaces | B10 | CS24 | Controlling EM Waves with Low- and High-Dimensional Metamaterials | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Alù, Andrea | 17 Mar 2020 | 11:00 | 11:20 | Multifunctional Nonreciprocal Metasurfaces Based on Spatiotemporal Modulation | B9 | CS09 | Analytical and Numerical Methods for Metasurface Analysis and Design | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Alù, Andrea | 18 Mar 2020 | 12:00 | 12:20 | Doppler Cloak: Concept and Realistic Implementation Through Space-Time Modulated Metamaterials and Time-Modulated Metasurfaces | B5 | CS47 | Non-Magnetic Nonreciprocity | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Alù, Andrea | 19 Mar 2020 | 11:40 | 12:00 | Re-moving the Scattered Energy from Dielectric Objects in Spatial and Frequency Domain for Cloaking Techniques | B11 | T11-E01 | EM Theory | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Alù, Andrea | 19 Mar 2020 | 18:00 | 18:20 | Metasurface-Based Radar Jammers and Deceptors Implemented Through Time-Varying Metasurfaces | B7 | T06-P12 | Radar, localisation and sensing for aircraft and automotive applications | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Propagation |
| Alvarado, Alex | 19 Mar 2020 | 10:40 | 11:00 | System Level Synchronization of Phase-Coded FMCW Automotive Radars for RadCom | B5 | CS25 | Convergence of Mobile Radio and Radar | T08 Positioning, localization & tracking / Convened Session / Propagation |
| Alvarez Narciandi, Guillermo | 16 Mar 2020 | 14:30 | 14:50 | 3-D Printed High-Efficiency Wideband 2X2 and 4X4 Double-Ridged Waveguide Antenna Arrays for Ku-Band Satcom-On-The-Move Applications | A2 | CS02 | Advanced Antenna Arrays for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Antennas |
| Alvarez Narciandi, Guillermo | 18 Mar 2020 | 13:20 | 13:20 | Evolution of the Image Quality over Time for a Freehand Monostatic mm-Wave Radar Imager | Exhibition Hall | Poster2-P12 | Poster Session 2: Radar, localisation, and sensing | Propagation |
| Alvarez Narciandi, Guillermo | 19 Mar 2020 | 11:20 | 11:40 | Portable, Freehand System for Antenna Diagnosis Using Amplitude-Only Data | B10 | CS07 | AMTA/EurAAP Session: Post Processing Techniques in Antenna Measurements | T11 Fundamental research and emerging technologies / Convened Session / Measurements |
| Alvarez Narciandi, Guillermo | 19 Mar 2020 | 14:50 | 15:30 | Antenna Measurements and Signal Processing Techniques | A2 | IS-Thu 1/1 | Invited Speaker Session | Measurements |
| Álvarez, José Adolfo | 17 Mar 2020 | 13:20 | 13:20 | Analysis of Snow Water Equivalent (SWE) of Snowpack by an Ultra Wide Band Step Frequency Continuous Wave Radar (SFCW) | A2 (Poster Area) | Convened Poster 1-CS08 | Analysis, Design and Use of Microwave Techniques, Models, Systems, and Antennas for Snowpack Avalanches Monitoring | T08 Positioning, localization & tracking / Convened Session / Propagation |
| Álvarez, Yuri | 19 Mar 2020 | 17:20 | 17:40 | 3D-SAR Processing of UAV-mounted GPR Measurements: Dealing with Non-Uniform Sampling | B7 | T06-P12 | Radar, localisation and sensing for aircraft and automotive applications | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Propagation |
| Alvarez-Lopez, Yuri | 19 Mar 2020 | 11:20 | 11:40 | Portable, Freehand System for Antenna Diagnosis Using Amplitude-Only Data | B10 | CS07 | AMTA/EurAAP Session: Post Processing Techniques in Antenna Measurements | T11 Fundamental research and emerging technologies / Convened Session / Measurements |
| Alvarez-Lopez, Yuri | 19 Mar 2020 | 14:50 | 15:30 | Antenna Measurements and Signal Processing Techniques | A2 | IS-Thu 1/1 | Invited Speaker Session | Measurements |
| Alvarez-Melcon, Alejandro | 18 Mar 2020 | 09:50 | 10:10 | Nonreciprocal Antennas Based on Time-Modulation: Challenges and Opportunities | B5 | CS47 | Non-Magnetic Nonreciprocity | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Alwahishi, Rabeia | 19 Mar 2020 | 13:20 | 13:20 | A New Beam-Steering Antenna with Variable Gain | Exhibition Hall | Poster3-A13 | Poster Session 3: Adaptive and reconfigurable antennas | Antennas |
| Al-Yasir, Yasir Ismael Abdurraheem | 17 Mar 2020 | 09:50 | 10:10 | A Doherty Power Amplifier Based on the Harmonic Generating Mechanism | B10 | CS39 | Machine Learning in Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Al-Yasir, Yasir Ismael Abdurraheem | 17 Mar 2020 | 11:40 | 12:00 | A New Broadband MIMO Antenna System for Sub 6 GHz 5G Cellular Communications | B10 | CS39 | Machine Learning in Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Al-Yasir, Yasir Ismael Abdurraheem | 17 Mar 2020 | 12:00 | 12:20 | Mutual Coupling Effect on Three-Way Doherty Amplifier for Green Compact Mobile Communications | B10 | CS39 | Machine Learning in Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Al-Yasir, Yasir Ismael Abdurraheem | 19 Mar 2020 | 13:20 | 13:20 | Multi-Mode Smartphone Antenna Array for 5G Massive MIMO Applications | Exhibition Hall | Poster3-A11 | Poster Session 3: Multiband and wideband antennas | Antennas |
| Al-Yasir, Yasir Ismael Abdurraheem | 19 Mar 2020 | 13:20 | 13:20 | Ultra-Wideband MIMO Diversity Antenna System for Future Handsets | Exhibition Hall | Poster3-A11 | Poster Session 3: Multiband and wideband antennas | Antennas |
| Al-Yasir, Yasir Ismael Abdurraheem | 19 Mar 2020 | 13:20 | 13:20 | A Differential-Fed Dual-Polarized High-Gain Filtering Antenna Based on SIW Technology for 5G Applications | Exhibition Hall | Poster3-A23 | Poster Session 3: Other antenna topics | Antennas |
| Al-Yasir, Yasir Ismael Abdurraheem | 20 Mar 2020 | 11:20 | 11:40 | New High-Gain Differential-Fed Dual-Polarized Filtering Microstrip Antenna for 5G Applications | A2 | T01-A22 | MIMO, diversity, smart antennas & signal processing | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |

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| Amani, Navid | 20 Mar 2020 | 10:40 | 11:00 | Array Configuration Effect on the Spatial Correlation of MU-MIMO Channels in NLoS Environments | A2 | T01-A22 | MIMO, diversity, smart antennas & signal processing | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Amato, Francesco | 17 Mar 2020 | 17:40 | 18:00 | Performances of a 3.6 GHz Epidermal Loop for Future 5G-RFID Communications | B2 | T04-A15 | RFID and backscattering antennas | T04 IoT and M2M / Regular Session / Antennas |
| Amaya, Rony E. | 18 Mar 2020 | 13:20 | 13:20 | Electronic Beam Scanning Leaky-Wave Antenna Based on Delta Shape Half-Mode Substrate Integrated Waveguide | Exhibition Hall | Poster2-A10 | Poster Session 2: Slotted-waveguide and leaky-wave antennas | Antennas |
| Amaya, Rony E. | 18 Mar 2020 | 13:20 | 13:20 | Millimeter-wave Bandpass Frequency Selective Structure Using Stacked Dielectric Slabs | Exhibition Hall | Poster2-E07 | Poster Session 2: Frequency and polarization selective surfaces | Electromagnetics |
| Amaya, Rony E. | 19 Mar 2020 | 17:20 | 17:40 | Reducing Side-Lobe Level of Surface Mounted Printed Leaky-Wave Antenna | B2 | T02-A10 | Leaky-wave and Traveling-wave Antennas | T02 Millimetre wave 5G / Regular Session / Antennas |
| Ambrosanio, Michele | 18 Mar 2020 | 10:40 | 11:00 | Machine Learning for Microwave Imaging | B9 | CS66 | Unconventional Techniques and Applications for Inverse Scattering Problems | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Ambrosanio, Michele | 19 Mar 2020 | 11:00 | 11:20 | Qualitative Imaging of Experimental Multistatic Ground Penetrating Radar Data | B9 | T10-E05/1 | Electromagnetic Methods for Direct and Inverse Scattering Involving Stratified Media | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Ambroziak, Slawomir J. | 17 Mar 2020 | 17:00 | 17:20 | Preliminary Empirical Validation of a Polarized Off-Body Channel Model with Dynamic Users | B6 | SW01 | COST Session CA15104 (IRACON): Measurements and Simulations in Channel Modelling in Wireless Body Area Networks | T05 Biomedical and health / Convened Session / Propagation |
| Ameloot, Thomas | 17 Mar 2020 | 18:00 | 18:20 | Experimental Parameter Optimization for Adaptive LoRa Modulation in Body-Centric Applications | B6 | SW01 | COST Session CA15104 (IRACON): Measurements and Simulations in Channel Modelling in Wireless Body Area Networks | T05 Biomedical and health / Convened Session / Propagation |
| Amendola, G. | 18 Mar 2020 | 13:20 | 13:20 | Magneto-Electric Dipole Antenna for 5-G Applications | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Amendola, G. | 18 Mar 2020 | 13:20 | 13:20 | A Wide-Angle Scanning Polarization Converter Based on Jerusalem-Cross Frequency Selective Surface | Exhibition Hall | Poster2-E07 | Poster Session 2: Frequency and polarization selective surfaces | Electromagnetics |
| Amendola, Giandomenico | 17 Mar 2020 | 13:20 | 13:20 | An 8x8 Cavity Backed Waveguide Antenna Array for D-Band Backhauling Communications | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Amer, Hisham Ashraf | 17 Mar 2020 | 13:20 | 13:20 | An Asymmetric Star Design for the Dynamic Control of Quantum-Emitter-Coupled Plasmonic Nanoantenna Emission | Exhibition Hall | Poster1-A07 | Poster Session 1: Dielectric resonator antennas | Antennas |
| Ameya, Michitaka | 19 Mar 2020 | 09:10 | 09:30 | Single-Cut Near-Field Far-Field Transformation and Implicit Plane-Wave Synthesis for RCS Prediction Including Multiple Scattering Effects | B10 | CS07 | AMTA/EurAAP Session: Post Processing Techniques in Antenna Measurements | T11 Fundamental research and emerging technologies / Convened Session / Measurements |
| Amico, Giorgio | 18 Mar 2020 | 11:00 | 11:20 | The Optical Combiner of QUBIC: The Q & U Bolometric Interferometer for Cosmology | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Amielh, Capucine | 20 Mar 2020 | 08:30 | 08:50 | Including the Aircraft and the Antenna in a Wide Band Aeronautical LMS Channel Model | B11 | CS20 | Assessment and Modeling of Antennas and Radio Channels Jointly | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Amin, Bilal | 18 Mar 2020 | 11:40 | 12:00 | Microwave Calcaneus Phantom for Bone Imaging Applications | B6 | SW03 | COST Session CA17115 (MyWAVE): Supporting Medical Device Development via Dielectric and Thermal Tissue Characterization | T05 Biomedical and health / Convened Session / Measurements |
| Amini, Amrollah | 19 Mar 2020 | 13:20 | 13:20 | Wideband Vertically Polarized Dual-Beam Antenna Using Modulated Metasurfaces | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Amiri, Majid | 19 Mar 2020 | 13:20 | 13:20 | Ultra Wideband Dual Polarization Metamaterial Absorber for 5G Frequency Spectrum | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Amorós García de Valdecasas, Susana | 19 Mar 2020 | 11:00 | 11:20 | Optimal Probe Geometry for Microwave Monitoring During in-Lab Ex-Vivo Measurements | B6 | T05-A12/2 | Point of Care Microwave Sensors | T05 Biomedical and health / Regular Session / Antennas |
| Amos, Sonya | 17 Mar 2020 | 08:30 | 08:50 | Active Antenna Developments, Challenges and the Future | B5 | CS01 | Active Antennas for Onboard Space Applications | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Amyotte, Eric | 17 Mar 2020 | 09:10 | 09:30 | Active Antennas Radiated Spurious | B5 | CS01 | Active Antennas for Onboard Space Applications | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Anagnostou, Dimitris E. | 18 Mar 2020 | 13:20 | 13:20 | A Miniaturized Circularly Polarized Antenna Using a Meandered Folded-Shorted Patch Array for CubeSats | Exhibition Hall | Poster2-A01 | Poster Session 2: Antenna theory | Antennas |
| Andonovic, Ivan | 17 Mar 2020 | 09:50 | 10:10 | On Models and Approaches for Human Vital Signs Extraction from Short Range Radar Signals | B4 | T11-M02 | Radar scattering measurement and calibration techniques | T11 Fundamental research and emerging technologies / Regular Session / Measurements |
| Andrade, Pablo | 17 Mar 2020 | 13:20 | 13:20 | Multiple Screen Diffraction Analysis Using the Parabolic Equation Technique | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Andrello, Michael | 17 Mar 2020 | 13:20 | 13:20 | Design and Operation of a Smart Graphene-Metal Hybrid Reflectarray at THz Frequencies | Exhibition Hall | Poster1-A19 | Poster Session 1: Reflect arrays and transmit arrays | Antennas |
| Andrenacci, Marco | 19 Mar 2020 | 13:20 | 13:20 | SSEEM - An Innovative Spread Spectrum System for SatCom Antenna Radiation Patterns Measurements | Exhibition Hall | Poster3-M10 | Poster Session 3: General antenna measurements | Measurements |
| Andreotti, Riccardo | 19 Mar 2020 | 13:20 | 13:20 | SSEEM - An Innovative Spread Spectrum System for SatCom Antenna Radiation Patterns Measurements | Exhibition Hall | Poster3-M10 | Poster Session 3: General antenna measurements | Measurements |

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|----------------------|-------------|-------|-------|--|-----------------|-------------|--|--|
| Andújar, Aurora | 17 Mar 2020 | 11:20 | 11:40 | Embedded Antennas in Cellular IoT Platforms | B2 | CS16 | Antennas in IoT Wireless Devices: Modelling and Industrial Considerations | T04 IoT and M2M / Convened Session / Antennas |
| Ang, Lay Kee | 19 Mar 2020 | 09:50 | 10:10 | Space-Fractional Bessel Beams with Self-Healing and Diffraction-Free Propagation Characteristics | B4 | CS44 | Near-Field Focusing and Pulse Generation Through Localized Waves | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Ang, Yee Sin | 19 Mar 2020 | 09:50 | 10:10 | Space-Fractional Bessel Beams with Self-Healing and Diffraction-Free Propagation Characteristics | B4 | CS44 | Near-Field Focusing and Pulse Generation Through Localized Waves | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Angeletti, Piero | 16 Mar 2020 | 14:30 | 14:50 | Rotman Lenses with Ridged Waveguides in Q-Band | B8 | T09-A09 | Millimetre wave lens antennas for space applications | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Angeletti, Piero | 17 Mar 2020 | 12:00 | 12:20 | Multibeam Array Antennas Based on Evanescent-Mode Ridge-Waveguide Radiating Filters | B5 | CS01 | Active Antennas for Onboard Space Applications | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Anguera, Jaume | 17 Mar 2020 | 11:20 | 11:40 | Embedded Antennas in Cellular IoT Platforms | B2 | CS16 | Antennas in IoT Wireless Devices: Modelling and Industrial Considerations | T04 IoT and M2M / Convened Session / Antennas |
| Aniel, Frédéric | 16 Mar 2020 | 13:50 | 14:10 | Broadband Offset-Reflector Beamformer on BCB in the 300-GHz Band | B10 | CS24 | Controlling EM Waves with Low- and High-Dimensional Metamaterials | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Anjos, Eduardo | 17 Mar 2020 | 18:00 | 18:20 | A 5G Active Antenna Tile and Its Characterization in a Reverberation Chamber | B5 | CS28 | EuMA/EurAAP Session: From Radiating Section to Digital Interface - Research and Design Trends for an End-To-End Approach of Highly Integrated Active Antenna Systems | T02 Millimetre wave 5G / Convened Session / Antennas |
| Anlage, Steven | 20 Mar 2020 | 10:40 | 11:00 | Towards Hybrid Statistical-Deterministic Wireless Channel Modelling of Multiroom Environments | B11 | CS20 | Assessment and Modeling of Antennas and Radio Channels Jointly | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Anselmi, Nicola | 17 Mar 2020 | 13:20 | 13:20 | Tiled Arrays: Low Cost Solutions for Next Generation Communication and Sensing Systems | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Anselmi, Nicola | 17 Mar 2020 | 13:20 | 13:20 | A Novel Probabilistic Interval Arithmetic Method for Tolerance Analysis of Phased Arrays Beamforming Networks | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Anselmi, Nicola | 17 Mar 2020 | 13:20 | 13:20 | Optimization of Modular Multi-Function Radar Architectures for Two-Way Pattern Sidelobe Minimization | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Anselmi, Nicola | 18 Mar 2020 | 11:00 | 11:20 | Advanced Teaching in Electromagnetics at the ELEDIA Research Center | B4 | CS26 | Education in Electromagnetics, Antennas, and Microwaves | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Anselmi, Nicola | 18 Mar 2020 | 09:30 | 09:50 | Recent Advances and Current Trends in Compressive Processing as Applied to Inverse Scattering | B9 | CS66 | Unconventional Techniques and Applications for Inverse Scattering Problems | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Anselmi, Nicola | 19 Mar 2020 | 08:30 | 08:50 | Towards Joint Sensing and Communication for 5G and Beyond Systems | B5 | CS25 | Convergence of Mobile Radio and Radar | T08 Positioning, localization & tracking / Convened Session / Propagation |
| Antar, Yahia | 17 Mar 2020 | 17:00 | 17:20 | An Electromagnetic Framework for the Deployment of Reconfigurable Intelligent Surfaces to Control Massive MIMO Channel Characteristics | B10 | T11-P02/1 | Channel Modelling for Massive MIMO and Near-Field Communication Systems | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Antar, Yahia | 19 Mar 2020 | 10:40 | 11:00 | 2-D Planar Leaky-wave Antenna with Fixed Frequency Beam Steering Through Broadside | B2 | CS46 | New Trends in Leaky Wave Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Antar, Yahia | 19 Mar 2020 | 18:00 | 18:20 | Novel Wideband Antenna for GNSS and Satellite Communications | B5 | CS31 | GNSS Antennas and Systems for Challenged RF Environment | T08 Positioning, localization & tracking / Convened Session / Antennas |
| Anthony, Theodore K | 19 Mar 2020 | 13:20 | 13:20 | Simulation of Effective Medium Theory for Additive Manufacturing of Dielectric Media | Exhibition Hall | Poster3-A21 | Poster Session 3: Additive manufacturing | Antennas |
| Antoniades, Marco A. | 19 Mar 2020 | 13:20 | 13:20 | High PAPR Multi-Tone Waveforms as a Method of Boosting DC Voltage in RF Wireless Power Transfer Systems | Exhibition Hall | Poster3-A15 | Poster Session 3: RFID antennas/sensors and systems | Antennas |
| Antonino-Daviu, Eva | 18 Mar 2020 | 11:40 | 12:00 | Flexible Antenna Design with Characteristic Modes | B1 | CS45 | New Perspectives and Applications of Characteristic Mode Analysis in Antenna Design | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Antonino-Daviu, Eva | 18 Mar 2020 | 13:20 | 13:20 | Power Transfer Efficiency Analyzed Using Characteristic Mode Coupling Between Two Parallel Loops | Exhibition Hall | Poster2-A02 | Poster Session 2: Antenna interactions and coupling | Antennas |
| Antonino-Daviu, Eva | 18 Mar 2020 | 13:20 | 13:20 | Effect of the Ground Plane in UHF Chip Antenna Efficiency | Exhibition Hall | Poster2-A08 | Poster Session 2: Electrically small antennas | Antennas |
| Antonov, Yury | 19 Mar 2020 | 17:20 | 17:40 | Design of Wideband Reflectarray Antennas | B4 | CS63 | State of the Art in Antenna Research in Russia | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Antonsen, Thomas | 20 Mar 2020 | 10:40 | 11:00 | Towards Hybrid Statistical-Deterministic Wireless Channel Modelling of Multiroom Environments | B11 | CS20 | Assessment and Modeling of Antennas and Radio Channels Jointly | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Anwar, Muhammad S. | 18 Mar 2020 | 09:30 | 09:50 | Broadband Frequency Reconfigurable Antenna Using Capacitive Loading for K-band Applications | B7 | T06-A17 | Automotive antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Aoyagi, Takahiro | 17 Mar 2020 | 17:40 | 18:00 | Human Posture Effects of WBAN Measurement in a Reverberation Chamber | B6 | SW01 | COST Session CA15104 (IRACON): Measurements and Simulations in Channel Modelling in Wireless Body Area Networks | T05 Biomedical and health / Convened Session / Propagation |
| Arabi, Eyad | 20 Mar 2020 | 09:10 | 09:30 | Enabling RF Technologies for Spectrum Sharing | A3 | CS37 | IRACON Spectrum Sharing: Challenges and Opportunities for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Araghi, Ali | 18 Mar 2020 | 13:20 | 13:20 | Trapped Microstrip-Ridge Gap Waveguide for Standalone Millimeter Wave Structures | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |

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|------------------------------|-------------|-------|-------|---|------------------|------------------------|---|--|
| Araghi, Ali | 19 Mar 2020 | 12:00 | 12:20 | Holographic-Based mmW-Wideband Bidirectional Frequency Scanning Leaky Wave Antenna | B2 | CS46 | New Trends in Leaky Wave Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Araghi, Ali | 20 Mar 2020 | 10:40 | 11:00 | Study on the Location of mmWave Antenna for the Autonomous Car's Detection and Ranging Sensors | B4 | T11-E06 | Scattering and diffraction | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Aram, Morteza Ghaderi | 20 Mar 2020 | 09:30 | 09:50 | On the Focusing Technique for Hyperthermia Treatment Planning | B2 | T05-M06 | Dosimetry, exposure, and SAR assessment | T05 Biomedical and health / Regular Session / Measurements |
| Arapoglou, Pantelis-Daniel | 17 Mar 2020 | 11:00 | 11:20 | Cloud Free LOS Probability Estimation for MEO Optical Satellite Systems and Optical Satellite Network Dimensioning | B8 | T09-P08 | Satellite propagation | T09 Space (incl. cubesat) / Regular Session / Propagation |
| Ararat, Kivanc | 16 Mar 2020 | 17:00 | 17:20 | A Biodegradable Implant Antenna Detecting Post-Surgical Infection | B6 | T05-A12/1 | Wearable and implantable antennas | T05 Biomedical and health / Regular Session / Antennas |
| Araujo, Jéssyca | 19 Mar 2020 | 13:20 | 13:20 | Eco-Friendly Metamaterial Antenna for 2.4 GHz WLAN Applications | Exhibition Hall | Poster3-A23 | Poster Session 3: Other antenna topics | Antennas |
| Arayeshnia, Amir | 16 Mar 2020 | 14:50 | 15:10 | Miniaturized CPW-fed Bowtie Slot Antenna for Wearable Biomedical Application | B6 | T05-A12/1 | Wearable and implantable antennas | T05 Biomedical and health / Regular Session / Antennas |
| Arayeshnia, Amir | 18 Mar 2020 | 13:20 | 13:20 | Trapped Microstrip-Ridge Gap Waveguide for Standalone Millimeter Wave Structures | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Arbolea, Ana | 18 Mar 2020 | 13:20 | 13:20 | Transmit-array Antenna Design for Broadband Backhaul 5G Communications at WIGIG Band | A2 (Poster Area) | Convened Poster 2-CS36 | Innovative Lens Antennas for Future Communication Systems | T02 Millimetre wave 5G / Convened Session / Antennas |
| Arbolea, Ana | 19 Mar 2020 | 13:20 | 13:20 | L/S & C Band Medium Gain Ridge Horn Intercomparison Campaign Results | Exhibition Hall | Poster3-M10 | Poster Session 3: General antenna measurements | Measurements |
| Arbolea, Ana | 19 Mar 2020 | 14:50 | 15:30 | Antenna Measurements and Signal Processing Techniques | A2 | IS-Thu 1/1 | Invited Speaker Session | Measurements |
| Ardenkjær-Larsen, Jan Henrik | 17 Mar 2020 | 13:20 | 13:20 | Matching and Decoupling Networks for Receive-only MRI Arrays | A2 (Poster Area) | Convened Poster 1-CS27 | Electromagnetics in MRI Applications | T05 Biomedical and health / Convened Session / Electromagnetics |
| Ardenkjær-Larsen, Jan Henrik | 17 Mar 2020 | 13:20 | 13:20 | Enhanced Low Frequency MRI Using Flexible Shape Arrays Made of Standard Wire | A2 (Poster Area) | Convened Poster 1-CS27 | Electromagnetics in MRI Applications | T05 Biomedical and health / Convened Session / Electromagnetics |
| Arduino, Alessandro | 18 Mar 2020 | 13:20 | 13:20 | Gradient-induced Heating of a Metallic Hip Implant in Magnetic Resonance Imaging | Exhibition Hall | Poster2-E03 | Poster Session 2: Computational and numerical techniques | Electromagnetics |
| Ares-Pena, Francisco | 17 Mar 2020 | 13:20 | 13:20 | Exploiting Real Far Field Patterns into the Multiplicity of Solutions for Linear Array Pattern Synthesis: Bandwidth Studies | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Ares-Pena, Francisco | 17 Mar 2020 | 13:20 | 13:20 | Minimization Techniques of Q in Circular Taylor-like Distributions | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Arias Campo, Marta | 17 Mar 2020 | 13:20 | 13:20 | H-band Quartz-Cavity Leaky-Wave Lens Feeder with Novel Chip Interconnect | Exhibition Hall | Poster1-A09 | Poster Session 1: Lens antennas | Antennas |
| Arias Campo, Marta | 17 Mar 2020 | 13:20 | 13:20 | Compact and Modular Ka-Band Front-end Concept for SATCOM and 5G | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Arias Campo, Marta | 18 Mar 2020 | 13:20 | 13:20 | On the Use of Dielectric Gratings for Enlarging the Field of View in Low Dielectric Permittivity Lenses | A2 (Poster Area) | Convened Poster 2-CS36 | Innovative Lens Antennas for Future Communication Systems | T02 Millimetre wave 5G / Convened Session / Antennas |
| Arias Campo, Marta | 20 Mar 2020 | 10:40 | 11:00 | Experimental Characterization of a Wideband G-Band Circularly Polarized Lens Antenna | B2 | T02-M08 | Mm-wave, THz, and quasi-optical antenna measurements | T02 Millimetre wave 5G / Regular Session / Measurements |
| Ark, B. G. M. (Bart) Van | 17 Mar 2020 | 13:20 | 13:20 | Outspacing Phased Arrays for Mm-Wave 5G Base Stations | A2 (Poster Area) | Convened Poster 1-CS17 | Antennas with Multi-Port/Distributed Feeding and On-Antenna Power-Combining for Efficient Integration and Reconfigurability | T02 Millimetre wave 5G / Convened Session / Antennas |
| Arnaldi, L | 18 Mar 2020 | 11:00 | 11:20 | The Optical Combiner of QUBIC: The Q & U Bolometric Interferometer for Cosmology | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Arnaud, Eric | 19 Mar 2020 | 17:00 | 17:20 | Polarization Reconfiguration of a Millimeter-Waves Antenna Using the Optical Control of Phase Change Materials | A3 | CS49 | Novel Techniques for Beam Manipulation at Millimeter | T02 Millimetre wave 5G / Convened Session / Antennas |
| Arnieri, Emilio | 18 Mar 2020 | 13:20 | 13:20 | A Wide-Angle Scanning Polarization Converter Based on Jerusalem-Cross Frequency Selective Surface | Exhibition Hall | Poster2-E07 | Poster Session 2: Frequency and polarization selective surfaces | Electromagnetics |
| Arockiaraj, Gana Soundari | 19 Mar 2020 | 09:10 | 09:30 | Analysis of 60-GHz In-street Backhaul Channel Measurements and LiDAR Ray-based Simulations | B1 | T02-P02 | Millimetre wave propagation modelling | T02 Millimetre wave 5G / Regular Session / Propagation |
| Arrebola, Manuel | 18 Mar 2020 | 09:30 | 09:50 | Band Enhancement in Reflectarrays for Space Communications Based on Multi-Frequency Synthesis Procedure | A2 | T09-A19 | Reflect arrays and transmit arrays | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Arriola, Aitor | 16 Mar 2020 | 13:50 | 14:10 | Emulation of End-To-End Communications Systems in Railway Scenarios: Physical Layer Results | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Arslanagić, Samel | 17 Mar 2020 | 17:00 | 17:20 | Water-Based Microwave Reflectarrays | B4 | CS67 | Water-Based Microwave Devices | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Arslanagić, Samel | 17 Mar 2020 | 17:00 | 17:20 | Modeling of Quantum-Dot Elliptical Nanowire Single-Photon Sources | B11 | T10-E03/2 | Computational and numerical techniques 2 | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Arslanagić, Samel | 18 Mar 2020 | 09:10 | 09:30 | A Modern Approach to Teaching and Learning Electromagnetics at DTU | B4 | CS26 | Education in Electromagnetics, Antennas, and Microwaves | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Arslanagić, Samel | 18 Mar 2020 | 13:20 | 13:20 | Water-Based Microwave Antennas | A2 (Poster Area) | Convened Poster 2-CS29 | Exotic Antennas from Nano to Macro Scales | T11 Fundamental research and emerging technologies / Convened Session / Antennas |

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|---------------------------|-------------|-------|-------|--|-----------------|-------------|--|--|
| Arteaga, Juan | 16 Mar 2020 | 17:40 | 18:00 | 100 W 6.78 MHz Inductive Power Transfer System for Drones | B9 | CS43 | Near- and Far-Field Wireless Power Transfer | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Artemenko, Alexey | 19 Mar 2020 | 17:20 | 17:40 | Wideband Dual-polarized Antenna for Wi-Fi Communication Networks | B1 | T03-A11 | Antennas for WLAN Applications | T03 Wireless LANs / Regular Session / Antennas |
| Asadchy, Viktor | 18 Mar 2020 | 11:00 | 11:20 | Temporal Modulation of Bianisotropic Metasurfaces for Unidirectional Wave Amplification | B5 | CS47 | Non-Magnetic Nonreciprocity | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Asan, Noor Badariah | 19 Mar 2020 | 09:30 | 09:50 | Non-Invasive Transmission Based Tumor Detection Using Anthropomorphic Breast Phantom at 2.45 GHz | B6 | T05-A12/2 | Point of Care Microwave Sensors | T05 Biomedical and health / Regular Session / Antennas |
| Asghar, Muhammad Ehtisham | 19 Mar 2020 | 09:30 | 09:50 | Experimental Determination of the Total Radiated Power of Automotive Antennas in the Installed State | B10 | CS07 | AMTA/EurAAP Session: Post Processing Techniques in Antenna Measurements | T11 Fundamental research and emerging technologies / Convened Session / Measurements |
| Ashoor, Ahmed | 19 Mar 2020 | 13:20 | 13:20 | Towards Real-time Independent Control of Reflection Magnitude and Phase in Electromagnetic Metasurfaces | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Ashrafian, Atefe | 18 Mar 2020 | 13:20 | 13:20 | A Broadband Transition from Microstrip to Groove Gap Waveguide for Ka-Band Applications | Exhibition Hall | Poster2-A01 | Poster Session 2: Antenna theory | Antennas |
| Ashury, Mehdi | 19 Mar 2020 | 11:40 | 12:00 | Accuracy Requirements for Cooperative Radar with Sensor Fusion | B5 | CS25 | Convergence of Mobile Radio and Radar | T08 Positioning, localization & tracking / Convened Session / Propagation |
| Aslam, Mohammed Zahid | 17 Mar 2020 | 13:20 | 13:20 | Assessment of sub-THz Mesh Backhaul Capabilities from Realistic Modelling at the PHY Layer | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Aslam, Mohammed Zahid | 19 Mar 2020 | 09:10 | 09:30 | Analysis of 60-GHz In-street Backhaul Channel Measurements and LIDAR Ray-based Simulations | B1 | T02-P02 | Millimetre wave propagation modelling | T02 Millimetre wave 5G / Regular Session / Propagation |
| Aslan, Yanki | 17 Mar 2020 | 13:20 | 13:20 | Effect of Element Number Reduction on Inter-User Interference and Chip Temperatures in Passively-Cooled Integrated Antenna Arrays for 5G | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Aslan, Yanki | 19 Mar 2020 | 08:30 | 08:50 | Performance Comparison of Single- And Multi-Lobe Antenna Arrays in 5G Urban Outdoor Environments at mm-Waves via Intelligent Ray Tracing | B1 | T02-P02 | Millimetre wave propagation modelling | T02 Millimetre wave 5G / Regular Session / Propagation |
| Asri, Mahshid | 19 Mar 2020 | 17:40 | 18:00 | Automatic Permittivity and Thickness Characterization of Body-Borne Weak Dielectric Threats Using Wideband Radar | B9 | T10-E05/2 | Imaging and inverse scattering | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Ataloglou, Vasileios G. | 20 Mar 2020 | 12:00 | 12:20 | Realizing Antenna Arrays with Huygens' Metasurface Pairs Based on a Moment-Method-Like Design | B1 | CS33 | IET Session: New Antenna Systems Involving Application of Metamaterials and Metasurfaces | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Athanasiadou, Georgia E. | 16 Mar 2020 | 13:30 | 13:50 | Modelling Ray Tracing Propagation Data Using Different Machine Learning Algorithms | B9 | CS64 | Trends and Advances in Machine Learning for Applied Electromagnetics | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Audley, Michael | 18 Mar 2020 | 08:50 | 09:10 | Analysis Methods for Multimoded Horns for Future THz Missions (SAFARI Instrument for SPICA) | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Auguste, Didier | 18 Mar 2020 | 11:00 | 11:20 | The Optical Combiner of QUBIC: The Q & U Bolometric Interferometer for Cosmology | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Augustine, Robin | 16 Mar 2020 | 14:50 | 15:10 | Miniaturized CPW-fed Bowtie Slot Antenna for Wearable Biomedical Application | B6 | T05-A12/1 | Wearable and implantable antennas | T05 Biomedical and health / Regular Session / Antennas |
| Augustine, Robin | 16 Mar 2020 | 17:40 | 18:00 | A Low Profile Button Antenna with Back Radiation Reduced by FSS | B6 | T05-A12/1 | Wearable and implantable antennas | T05 Biomedical and health / Regular Session / Antennas |
| Augustine, Robin | 17 Mar 2020 | 17:00 | 17:20 | Wireless Power Transfer System Design in Reactive Near-Field for Implantable Devices | A2 | T04-A20 | Wireless power transfer and inductive coupling | T04 IoT and M2M / Regular Session / Antennas |
| Augustine, Robin | 18 Mar 2020 | 13:20 | 13:20 | Neural Network Approach for Dielectric Characterization of Tissues in Microwave Frequencies Using Coplanar Waveguide Transmission | Exhibition Hall | Poster2-E03 | Poster Session 2: Computational and numerical techniques | Electromagnetics |
| Augustine, Robin | 18 Mar 2020 | 13:20 | 13:20 | A New Focused Hyperthermia Based on SpaceFrequency DORT | Exhibition Hall | Poster2-E05 | Poster Session 2: Imaging and inverse scattering | Electromagnetics |
| Augustine, Robin | 18 Mar 2020 | 13:20 | 13:20 | Pathloss Calculation for Fat-Intra Body Communication Using Poynting Vector Theory | Exhibition Hall | Poster2-P10 | Poster Session 2: Propagation in biological tissues and body-area propagation | Propagation |
| Augustine, Robin | 19 Mar 2020 | 08:30 | 08:50 | Handheld, Broadband Transmission-Based Probe - The Next Star Trek Tri-Corder | B6 | T05-A12/2 | Point of Care Microwave Sensors | T05 Biomedical and health / Regular Session / Antennas |
| Augustine, Robin | 19 Mar 2020 | 09:10 | 09:30 | Clustering of Dielectric and Colour Profiles of an Ex-vivo Burnt Human Skin Sample | B6 | T05-A12/2 | Point of Care Microwave Sensors | T05 Biomedical and health / Regular Session / Antennas |
| Augustine, Robin | 19 Mar 2020 | 09:30 | 09:50 | Non-Invasive Transmission Based Tumor Detection Using Anthropomorphic Breast Phantom at 2.45 GHz | B6 | T05-A12/2 | Point of Care Microwave Sensors | T05 Biomedical and health / Regular Session / Antennas |
| Augustine, Robin | 19 Mar 2020 | 10:40 | 11:00 | Low Profile Implantable Antenna for Fat Intra-Body Communication | B6 | T05-A12/2 | Point of Care Microwave Sensors | T05 Biomedical and health / Regular Session / Antennas |
| Augustine, Robin | 19 Mar 2020 | 13:20 | 13:20 | Design of Constant Width Branch Line Directional Coupler for the Microwave Sensing Application | Exhibition Hall | Poster3-M11 | Poster Session 3: Other measurement topics | Measurements |
| Augustine, Robin | 19 Mar 2020 | 13:20 | 13:20 | Reflectometry Enhancement by Saline Injection in Microwave-based Skin Burn Injury Diagnosis | Exhibition Hall | Poster3-M11 | Poster Session 3: Other measurement topics | Measurements |
| Aumont, Jonathan | 18 Mar 2020 | 11:00 | 11:20 | The Optical Combiner of QUBIC: The Q & U Bolometric Interferometer for Cosmology | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |

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|----------------------------|-------------|-------|-------|---|------------------|------------------------|--|--|
| Aydin Civi, Ozlem | 18 Mar 2020 | 09:30 | 09:50 | Use of Characteristic Modes in the CBFM for the Analysis of Large Arrays | B1 | CS45 | New Perspectives and Applications of Characteristic Mode Analysis in Antenna Design | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Aydinalp, Cemanur | 20 Mar 2020 | 11:20 | 11:40 | Broadband Microwave Dielectric Property Comparison of Human Fetal Osteoblastic (hFOB) and Osteosarcoma (SaOS-2) Cell Lines | B5 | T11-M01 | Material characterisation and non-destructive testing | T11 Fundamental research and emerging technologies / Regular Session / Measurements |
| Aydoğan, Ahmet | 19 Mar 2020 | 17:00 | 17:20 | A Coarse-fine Mesh Approach for Improved Solution of 3-D Inverse Problems in Unbounded Media | B9 | T10-E05/2 | Imaging and inverse scattering | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Aydogdu, Canan | 19 Mar 2020 | 11:20 | 11:40 | Stepped-Carrier OFDM V2V Resource Allocation for Sensing and Communication Convergence | B5 | CS25 | Convergence of Mobile Radio and Radar | T08 Positioning, localization & tracking / Convened Session / Propagation |
| Ayestarán, Rafael González | 16 Mar 2020 | 14:30 | 14:50 | Near-Field Multi-Focused Arrays Using Support Vector Regression | B9 | CS64 | Trends and Advances in Machine Learning for Applied Electromagnetics | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Ayestarán, Rafael González | 19 Mar 2020 | 09:30 | 09:50 | Multi-spot Adaptive Near-Field Focusing Through Transmitting Time-Modulated Arrays | B4 | CS44 | Near-Field Focusing and Pulse Generation Through Localized Waves | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Ayop, Osman Bin | 17 Mar 2020 | 09:10 | 09:30 | Single and Dual Beam Waveguide Slotted Antenna Using 3D Printing Technique for 5G Application | B1 | CS38 | ISAP Session: Recent Advances in Asian Antennas and Propagation Research | T02 Millimetre wave 5G / Convened Session / Antennas |
| Ayoub, Firas | 17 Mar 2020 | 17:20 | 17:40 | Four-Element Beam Switching Antenna for Compact IoT Devices | B1 | CS58 | Reconfigurable Antennas for Compact Devices | T04 IoT and M2M / Convened Session / Antennas |
| Azaro, Renzo | 18 Mar 2020 | 11:00 | 11:20 | Advanced Teaching in Electromagnetics at the ELEDIA Research Center | B4 | CS26 | Education in Electromagnetics, Antennas, and Microwaves | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Azhar, Arslan | 19 Mar 2020 | 08:30 | 08:50 | Numerical Synthesis of Translation Operators for the Multi-Level Fast Multipole Method | B8 | CS30 | Fundamental Challenges and Novel Methodologies in the Next-Generation Computational Electromagnetics | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Aziding, Khairunnisa | 17 Mar 2020 | 13:20 | 13:20 | Effect of a Clutter Behind Building on a Building Entry Loss (BEL) over a nLoS Path | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Aziz, Imran | 17 Mar 2020 | 13:20 | 13:20 | Compact and Low Cost Linear Antenna Array for Millimeter Wave Automotive Radar Applications | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Azulai, Laurent | 20 Mar 2020 | 08:30 | 08:50 | Including the Aircraft and the Antenna in a Wide Band Aeronautical LMS Channel Model | B11 | CS20 | Assessment and Modeling of Antennas and Radio Channels Jointly | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Azpilicueta, Leyre | 17 Mar 2020 | 13:20 | 13:20 | Analysis of Phase Evolution Impact in SIMO Operation in Distributed Transceiver Systems | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Azpilicueta, Leyre | 20 Mar 2020 | 08:30 | 08:50 | Deterministic Radio Channel Characterization for Near-Ground Wireless Sensor Networks Deployment Optimization in Smart Agriculture | B9 | T10-P02 | Propagation modelling and simulation | T10 EM modelling and simulation tools / Regular Session / Propagation |
| Azzoni, Susanna | 18 Mar 2020 | 11:00 | 11:20 | The Optical Combiner of QUBIC: The Q & U Bolometric Interferometer for Cosmology | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Baard, Charl | 19 Mar 2020 | 18:00 | 18:20 | UWB Planar Bias-switched Imaging Array for Breast-Cancer Screening | B6 | T05-A12/3 | Body area antennas and sensor systems | T05 Biomedical and health / Regular Session / Antennas |
| Babić, Josip | 17 Mar 2020 | 13:20 | 13:20 | Analysis of Safe Ultrawideband Human-Robot Communication in Automated Collaborative Warehouse | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Baccarelli, Paolo | 16 Mar 2020 | 14:10 | 14:30 | Near-field Focusing Through Higher-order Cylindrical Leaky Waves | B2 | CS21 | Challenges in Leaky Wave Antennas and Novel Approaches to Solve Them | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Baccarelli, Paolo | 16 Mar 2020 | 16:20 | 16:40 | Higher-Order Cylindrical Leaky Waves in Planar Structures | B1 | SW04 | COST Session CA18223 (SyMat): Periodic Structures with Higher Symmetries | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Baccarelli, Paolo | 17 Mar 2020 | 17:20 | 17:40 | Radiation Shaping by Using Lattice Modes in a Dual-feed Dielectric Structure | B9 | CS32 | High-Frequency Methods and Applications | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Baccarelli, Paolo | 19 Mar 2020 | 08:50 | 09:10 | Open-Stopband Suppression in a Canonical 1-D Periodic 2-D Structure with Asymmetric Unit Cell | B2 | CS46 | New Trends in Leaky Wave Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Badawi, Ashraf | 17 Mar 2020 | 13:20 | 13:20 | An Asymmetric Star Design for the Dynamic Control of Quantum-Emitter-Coupled Plasmonic Nanoantenna Emission | Exhibition Hall | Poster1-A07 | Poster Session 1: Dielectric resonator antennas | Antennas |
| Badawy, Taher | 18 Mar 2020 | 13:20 | 13:20 | Mechanical and Environmental Aspects of Antennas for a Novel Maritime Search and Rescue System | A2 (Poster Area) | Convened Poster 2-CS14 | Antennas for Harsh Environment | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Badillo, Roger Alexander | 17 Mar 2020 | 13:20 | 13:20 | Modified Two-Ray Model with UTD and Atmospheric Effects | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Baelemans, Rene A.C. | 17 Mar 2020 | 17:40 | 18:00 | Parallel Plate Waveguide Simulator of a Dense Connected Dipole Array | B8 | CS15 | Antennas for Radio Astronomy | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Baena, Juan Domingo | 16 Mar 2020 | 17:20 | 17:40 | Investigation of Surface Waves on Anisotropic Self-Complementary Metasurfaces | B10 | CS24 | Controlling EM Waves with Low- and High-Dimensional Metamaterials | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Baena, Juan Domingo | 19 Mar 2020 | 13:20 | 13:20 | THz Power Divider Based on Self-Complementary Metasurface | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Bagci, Hakan | 17 Mar 2020 | 12:00 | 12:20 | An Explicit Time Domain Finite Element Boundary Integral Method with Element Level Domain Decomposition for Electromagnetic Scattering Analysis | B11 | T10-E03/1 | Computational and numerical techniques 1 | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Baggio, Mariangela | 18 Mar 2020 | 12:00 | 12:20 | In Favor of Re-introducing and/or Expanding Rectangular Waveguides in Bachelor's and Master's Level Electromagnetic Courses | B4 | CS26 | Education in Electromagnetics, Antennas, and Microwaves | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |

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|---------------------------|-------------|-------|-------|--|------------------|------------------------|--|--|
| Bagheri, Alireza | 17 Mar 2020 | 13:20 | 13:20 | Microstrip to Ridge Gap Waveguide Transition for 28 GHz Steerable Slot Array Antennas | A2 (Poster Area) | Convened Poster 1-CS18 | Applications of mm-Wave Gap Waveguide Technology-I | T02 Millimetre wave 5G / Convened Session / Antennas |
| Bagheriasl, Mohammad | 16 Mar 2020 | 16:00 | 16:20 | Reconfigurable Microwave Components Using Glide-symmetric Pin-loaded Parallel Plates | B1 | SW04 | COST Session CA18223 (SyMat): Periodic Structures with Higher Symmetries | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Bahr, Achim | 19 Mar 2020 | 13:20 | 13:20 | Reduced Size RFID Reader Antenna Based on Reconfigurable Feeding Network Realized with Artificial Transmission Lines | Exhibition Hall | Poster3-A15 | Poster Session 3: RFID antennas/sensors and systems | Antennas |
| Bahr, Ryan | 18 Mar 2020 | 11:40 | 12:00 | Flexible Antenna Design with Characteristic Modes | B1 | CS45 | New Perspectives and Applications of Characteristic Mode Analysis in Antenna Design | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Bai, Bowen | 19 Mar 2020 | 13:20 | 13:20 | Integration of Circularly Polarized Microstrip Slot Array Antenna with Amorphous Silicon Solar Cells | Exhibition Hall | Poster3-A14 | Poster Session 3: Active and integrated antennas | Antennas |
| Bai, Jinliang | 19 Mar 2020 | 09:10 | 09:30 | Miniaturized Base-station Antenna Element with Sinuously Bent Arms | A2 | T01-A11 | Multiband and wideband antennas | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Bai, Jinliang | 19 Mar 2020 | 13:20 | 13:20 | Miniaturization of Base-station Antenna Element Using Non-uniform Meta-surface | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Bai, Ming | 17 Mar 2020 | 13:20 | 13:20 | Compact Quasi-Optical Power Combiner with Single Shaped Reflector | Exhibition Hall | Poster1-A18 | Poster Session 1: Reflector, feed systems, and components | Antennas |
| Bai, Xudong | 19 Mar 2020 | 13:20 | 13:20 | Generation of Multi-Mode OAM Waves Through 1-Bit Direct-Radiating Programmable Metasurfaces | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Bai, Xudong | 19 Mar 2020 | 13:20 | 13:20 | 1-Bit Digital Coding Metasurfaces for Efficient Generation of Convergent Multi-Mode OAM Beams | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Bakalski, Winfried | 17 Mar 2020 | 11:40 | 12:00 | Performance Investigation of a Handset Antenna Using a C-tuner for Aperture Tuning | B2 | CS16 | Antennas in IoT Wireless Devices: Modelling and Industrial Considerations | T04 IoT and M2M / Convened Session / Antennas |
| Bakhtiari, Behnaz | 19 Mar 2020 | 13:20 | 13:20 | Tunable Terahertz Polarization Converter Based on Graphene Metasurfaces | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Bakr, Mustafa | 19 Mar 2020 | 13:20 | 13:20 | A Differential-Fed Dual-Polarized High-Gain Filtering Antenna Based on SIW Technology for 5G Applications | Exhibition Hall | Poster3-A23 | Poster Session 3: Other antenna topics | Antennas |
| Bakytbekov, Azamat | 20 Mar 2020 | 08:30 | 08:50 | Bandwidth Enhanced Flexible UAV Antenna with 360 Azimuth Coverage for Air to Ground Communication | B7 | T06-A11 | Aircraft antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Balal, Nezhah | 19 Mar 2020 | 09:50 | 10:10 | Identifying low-RCS Targets Using micro-Doppler High-Resolution Radar in the Millimeter Waves | B7 | T06-P09 | Propagation for Unmanned Aerial Vehicles (UAVs) | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Propagation |
| Balasingham, Ilanko | 16 Mar 2020 | 13:30 | 13:50 | Low-Profile and High-Gain Linear Polarized Loop Antenna | B6 | T05-A12/1 | Wearable and implantable antennas | T05 Biomedical and health / Regular Session / Antennas |
| Balasingham, Ilanko | 18 Mar 2020 | 13:20 | 13:20 | Wireless Link for Micro-scale Biomedical Implants Using Magnetoelectric Antennas | Exhibition Hall | Poster2-A02 | Poster Session 2: Antenna interactions and coupling | Antennas |
| Ballandovich, Svyatoslav | 19 Mar 2020 | 17:20 | 17:40 | Design of Wideband Reflectarray Antennas | B4 | CS63 | State of the Art in Antenna Research in Russia | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Ballesteros, Christian | 17 Mar 2020 | 16:40 | 17:00 | Study on Beamforming V2I Scenarios for Sub-6 GHz and mmWave Channels | B10 | T11-P02/1 | Channel Modelling for Massive MIMO and Near-Field Communication Systems | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Ban, Yong-Ling | 16 Mar 2020 | 15:10 | 15:30 | Millimeter-Wave Dual-Polarized Slot Array Antenna Using a TE210 and TE120 Mode | A2 | CS02 | Advanced Antenna Arrays for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Antennas |
| Banfi, Stefano | 18 Mar 2020 | 11:00 | 11:20 | The Optical Combiner of QUBIC: The Q & U Bolometric Interferometer for Cosmology | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Bangert, Axel | 18 Mar 2020 | 09:30 | 09:50 | Broadband Frequency Reconfigurable Antenna Using Capacitive Loading for K-band Applications | B7 | T06-A17 | Automotive antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Bantavis, Petros | 16 Mar 2020 | 15:10 | 15:30 | All-Metal Graded Index Gutman Lens Antenna - A More Compact Luneburg Lens | B8 | T09-A09 | Millimetre wave lens antennas for space applications | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Bao, Lei | 18 Mar 2020 | 13:20 | 13:20 | Availability of 7 Km-Long Parallel 18 GHz Band and E-band Links for Multi Band Solutions | Exhibition Hall | Poster2-P05 | Poster Session 2: Mm-wave and UWB propagation | Propagation |
| Baquero Barneto, Carlos | 19 Mar 2020 | 17:40 | 18:00 | Millimeter-Wave Automotive Radar Scheme with Passive Reflector for Blind Corner Conditions | B7 | T06-P12 | Radar, localisation and sensing for aircraft and automotive applications | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Propagation |
| Baquero-Escudero, Mariano | 17 Mar 2020 | 12:00 | 12:20 | Multibeam Array Antennas Based on Evanescent-Mode Ridge-Waveguide Radiating Filters | B5 | CS01 | Active Antennas for Onboard Space Applications | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Bar, Amitay | 19 Mar 2020 | 11:40 | 12:00 | Channel Modeling for Wireless Sensor Networks Deployment in the Smart City | B1 | T01-P02 | Propagation modelling and simulation | T01 LTE and Sub-6GHz 5G / Regular Session / Propagation |
| Barbaric, Dominik | 17 Mar 2020 | 10:40 | 11:00 | Analysis of Curved Metasurfaces Based on Method of Moments | B9 | CS09 | Analytical and Numerical Methods for Metasurface Analysis and Design | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Barbiroli, Marina | 17 Mar 2020 | 13:20 | 13:20 | Transmission Loss Evaluation for Fabry-Perot Materials' Characterization | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Barbutto, Mirko | 18 Mar 2020 | 13:20 | 13:20 | Latest Developments on Non-linear and Time-varying Metasurfaces and Topological Antennas | A2 (Poster Area) | Convened Poster 2-CS50 | Novel Wave Phenomena in Metamaterials and Metasurfaces Applied to Antennas and Propagation | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Bares, Vojtech | 17 Mar 2020 | 13:20 | 13:20 | On Separation of Wet Antenna Effects from Rain Attenuation Measurements | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Barowski, Jan | 18 Mar 2020 | 13:20 | 13:20 | Extracting the Features of the Shallowly Buried Objects Using LeNet Convolutional Network | Exhibition Hall | Poster2-P12 | Poster Session 2: Radar, localisation, and sensing | Propagation |

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|---------------------------|-------------|-------|-------|---|-----------------|-------------|--|--|
| Bartko, Hendrik | 18 Mar 2020 | 11:20 | 11:40 | Quiet Zone Verification of Plane Wave Synthesizer Using Polar Near-Field Scanner | A3 | CS06 | AMTA/IRACON Session: Over-The-Air Testing of 5G Radios | T02 Millimetre wave 5G / Convened Session / Measurements |
| Bartolić, Jura | 17 Mar 2020 | 13:20 | 13:20 | Analysis of Safe Ultrawideband Human-Robot Communication in Automated Collaborative Warehouse | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Bartolomei, Nicola | 19 Mar 2020 | 08:50 | 09:10 | Terahertz X-wave Launchers by Metallic Spline-Profiled Horns | B4 | CS44 | Near-Field Focusing and Pulse Generation Through Localized Waves | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Barton, John | 19 Mar 2020 | 13:20 | 13:20 | A 915 MHz Wristwatch-Integrated Antenna for Wireless Health Monitoring | Exhibition Hall | Poster3-A12 | Poster Session 3: Wearable and implantable antennas | Antennas |
| Basavarajappa, Vedaprabhu | 16 Mar 2020 | 17:40 | 18:00 | 28 GHz Millimeter Wave Multibeam Antenna Array with Compact Reconfigurable Feeding Network | A2 | T02-A04/1 | Millimetre wave arrays for mobile communications | T02 Millimetre wave 5G / Regular Session / Antennas |
| Baselice, Fabio | 18 Mar 2020 | 10:40 | 11:00 | Machine Learning for Microwave Imaging | B9 | CS66 | Unconventional Techniques and Applications for Inverse Scattering Problems | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Baselmans, Jochem | 16 Mar 2020 | 13:50 | 14:10 | Experimental Validation of the Beam Pattern of a Wide Band Quasi-Optical System for DESHIMA Spectrometer | B8 | T09-A09 | Millimetre wave lens antennas for space applications | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Baselmans, Jochem | 17 Mar 2020 | 13:20 | 13:20 | Broadband Beam-Steering with Focused Connected Arrays in Quasi-Optical Systems | Exhibition Hall | Poster1-A18 | Poster Session 1: Reflector, feed systems, and components | Antennas |
| Baselmans, Jochem | 18 Mar 2020 | 13:20 | 13:20 | Wideband Superconducting Integrated Filter-bank for THz Astronomy | Exhibition Hall | Poster2-P13 | Poster Session 2: Radio science and remote sensing | Propagation |
| Baser, Oguzhan | 16 Mar 2020 | 17:00 | 17:20 | A Biodegradable Implant Antenna Detecting Post-Surgical Infection | B6 | T05-A12/1 | Wearable and implantable antennas | T05 Biomedical and health / Regular Session / Antennas |
| Bataineh, Jamil | 19 Mar 2020 | 18:00 | 18:20 | The Variability of Scattering from Leaves and Its Impact on Propagation | B8 | T09-P13 | Propagation Aspects in Remote Sensing | T09 Space (incl. cubesat) / Regular Session / Propagation |
| Batchelor, John | 17 Mar 2020 | 16:40 | 17:00 | Tag Design for RFID AC Current Sensing System | B2 | T04-A15 | RFID and backscattering antennas | T04 IoT and M2M / Regular Session / Antennas |
| Batchelor, John | 18 Mar 2020 | 13:20 | 13:20 | Mechanically Influenced Antennas for Strain Sensing Applications Using Multiphysics Modelling | Exhibition Hall | Poster2-A02 | Poster Session 2: Antenna interactions and coupling | Antennas |
| Batel, Lofli | 17 Mar 2020 | 17:00 | 17:20 | Frequency Reconfigurable Antenna Loaded with Magneto Dielectric Materials at VHF Band | B1 | CS58 | Reconfigurable Antennas for Compact Devices | T04 IoT and M2M / Convened Session / Antennas |
| Batool, Sidra | 19 Mar 2020 | 08:50 | 09:10 | Cloaking and Magnifying Using Radial Anisotropy in Non-Integer Dimensional Space | B9 | T10-E05/1 | Electromagnetic Methods for Direct and Inverse Scattering Involving Stratified Media | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Batra, Aman | 18 Mar 2020 | 13:20 | 13:20 | Simulation Validation of High Resolution Indoor Terahertz Synthetic Aperture Radar Imaging | Exhibition Hall | Poster2-P12 | Poster Session 2: Radar, localisation, and sensing | Propagation |
| Battaglia, Giada | 19 Mar 2020 | 10:40 | 11:00 | Towards 3-D Vector Intensity Focusing of near and Far Fields | B4 | CS44 | Near-Field Focusing and Pulse Generation Through Localized Waves | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Battistelli, Elia | 18 Mar 2020 | 11:00 | 11:20 | The Optical Combiner of QUBIC: The Q & U Bolometric Interferometer for Cosmology | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Bau, Alessandro | 18 Mar 2020 | 11:00 | 11:20 | The Optical Combiner of QUBIC: The Q & U Bolometric Interferometer for Cosmology | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Bauch, Gerhard | 18 Mar 2020 | 13:20 | 13:20 | Verification of a Simplified Channel Modeling Technique for Ultra Wideband In-Body Communication with Simulations | Exhibition Hall | Poster2-P10 | Poster Session 2: Propagation in biological tissues and body-area propagation | Propagation |
| Baudha, Sudeep | 19 Mar 2020 | 13:20 | 13:20 | A Novel Approach for Compact Antenna with Parasitic Elements Aimed at Ultra-Wideband Applications | Exhibition Hall | Poster3-A16 | Poster Session 3: UWB antennas and time-domain techniques | Antennas |
| Bazzi, Alessandro | 17 Mar 2020 | 08:50 | 09:10 | A Hardware-in-the-Loop Evaluation of the Impact of the V2X Channel on the Traffic-Safety Versus Efficiency Trade-offs | A3 | CS35 | IET/IRACON Session: Propagation Measurements and Modelling for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Beach, Mark | 20 Mar 2020 | 09:10 | 09:30 | Enabling RF Technologies for Spectrum Sharing | A3 | CS37 | IRACON Spectrum Sharing: Challenges and Opportunities for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Beasquetxea, Unai | 19 Mar 2020 | 13:20 | 13:20 | Design of Multiband Conformal Antenna for Sounding Rocket | Exhibition Hall | Poster3-A06 | Poster Session 3: Conformal antennas | Antennas |
| Beccaria, Michele | 16 Mar 2020 | 14:50 | 15:10 | SNO Optimization Technique Applied to Reflectarray Antennas Design | B9 | CS64 | Trends and Advances in Machine Learning for Applied Electromagnetics | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Beccaria, Michele | 18 Mar 2020 | 11:40 | 12:00 | Perforated Dielectric Reflectarray in Ka-band | A2 | T09-A19 | Reflect arrays and transmit arrays | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Beck, Sebastian | 18 Mar 2020 | 13:20 | 13:20 | Experimental Results on Rain Detection at Ka-Band Based on Range-Doppler Signal Processing | Exhibition Hall | Poster2-P12 | Poster Session 2: Radar, localisation, and sensing | Propagation |
| Becker, Dennis | 19 Mar 2020 | 08:50 | 09:10 | Wideband Channel Measurements and First Findings for Low Altitude Drone-to-Drone Links in an Urban Scenario | B7 | T06-P09 | Propagation for Unmanned Aerial Vehicles (UAVs) | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Propagation |
| Bedia, Beatriz | 17 Mar 2020 | 13:20 | 13:20 | K-band Feed and Transceiver with Compact Monopulse Tracking Coupler for Deep Space Applications | Exhibition Hall | Poster1-A18 | Poster Session 1: Reflector, feed systems, and components | Antennas |
| Beeby, Stephen | 17 Mar 2020 | 17:40 | 18:00 | Sub-1 GHz Flexible Concealed Rectenna Yarn for High-Efficiency Wireless-Powered Electronic Textiles | A2 | T04-A20 | Wireless power transfer and inductive coupling | T04 IoT and M2M / Regular Session / Antennas |
| Behdad, Nader | 20 Mar 2020 | 09:30 | 09:50 | A 2-Bit Phase-Shifting Unit Cell Design for Beam-Steerable Reflectarrays | B8 | CS59 | Reconfigurable Reflectarray and Transmitarrays | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Bekker, Elizabeth | 17 Mar 2020 | 13:20 | 13:20 | Optimized Polarization for Rotationally Tiled, Wideband, Dual-Polarized Vivaldi Arrays | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |

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|---------------------------|-------------|-------|-------|--|------------------|------------------------|--|--|
| Belem, Cybelle | 16 Mar 2020 | 16:20 | 16:40 | Near-field Measurement and Far-field Characterization of a J-band Antenna Based on an Electro-optic Sensing | B7 | T06-M03 | Near-field, far-field, compact and RCS range measurement techniques | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Measurements |
| Bel-Haj-Maati, Nada | 17 Mar 2020 | 13:20 | 13:20 | Mobile Measurements at 3.7 GHz Using a Massive MIMO Antenna Array in Outdoor Environments | Exhibition Hall | Poster1-P03 | Poster Session 1: Channel sounding and parameter estimation techniques | Propagation |
| Belier, Benoit | 18 Mar 2020 | 11:00 | 11:20 | The Optical Combiner of QUBIC: The Q & U Bolometric Interferometer for Cosmology | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Belkacem, Anes | 18 Mar 2020 | 11:20 | 11:40 | Quiet Zone Verification of Plane Wave Synthesizer Using Polar Near-Field Scanner | A3 | CS06 | AMTA/IRACON Session: Over-The-Air Testing of 5G Radios | T02 Millimetre wave 5G / Convened Session / Measurements |
| Bell, Patrick J | 17 Mar 2020 | 11:20 | 11:40 | Rigid-Flexible Antenna Array (RFAA) for Lightweight Deployable Apertures | B5 | CS01 | Active Antennas for Onboard Space Applications | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Bellemare, Michel | 17 Mar 2020 | 09:10 | 09:30 | Active Antennas Radiated Spurious | B5 | CS01 | Active Antennas for Onboard Space Applications | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Bellizzi, Gennaro | 17 Mar 2020 | 11:20 | 11:40 | Portable 3-D Microwave Imaging System for Cerebrovascular Diseases Monitoring | B7 | SW02 | COST Session CA17115 (MyWAVE): Developments in Electromagnetic-Based Medical Technologies | T05 Biomedical and Health / Convened Session / Electromagnetics |
| Bellizzi, Gennaro G. | 17 Mar 2020 | 09:10 | 09:30 | Influence of the BSD-2000 3D/MR Hyperthermia Applicator on MR Image Quality: A Quantitative Assessment | B7 | SW02 | COST Session CA17115 (MyWAVE): Developments in Electromagnetic-Based Medical Technologies | T05 Biomedical and Health / Convened Session / Electromagnetics |
| Bellizzi, Gennaro G. | 17 Mar 2020 | 09:30 | 09:50 | The Required Patient Modeling Realism in Radiofrequency Heating Simulation Studies | B7 | SW02 | COST Session CA17115 (MyWAVE): Developments in Electromagnetic-Based Medical Technologies | T05 Biomedical and Health / Convened Session / Electromagnetics |
| Bellizzi, Gennaro G. | 19 Mar 2020 | 09:50 | 10:10 | On the Optimal Matching Medium and Working Frequency in EM-based Medical Devices | B6 | T05-A12/2 | Point of Care Microwave Sensors | T05 Biomedical and health / Regular Session / Antennas |
| Bellizzi, Gennaro G. | 19 Mar 2020 | 11:00 | 11:20 | Characterization of an Integrated Radiofrequency System for MR-guided Hyperthermia | B7 | T11-P10 | Propagation in biological tissues | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Belo, Daniel | 16 Mar 2020 | 16:40 | 17:00 | 3D Antenna Array for SWIPT Sensing with WPT Capabilities | B9 | CS43 | Near- and Far-Field Wireless Power Transfer | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Belot, Daniel | 19 Mar 2020 | 13:20 | 13:20 | Simple and Robust Probes for Near-Field Antenna Measurements at Low UHF Bands | Exhibition Hall | Poster3-M07 | Poster Session 3: Satellite and aerospace antenna characterisation | Measurements |
| Belov, Pavel | 17 Mar 2020 | 17:20 | 17:40 | Water-assisted Metasurface for Wireless Power Transfer | B4 | CS67 | Water-Based Microwave Devices | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Belschner, Jakob | 19 Mar 2020 | 09:10 | 09:30 | Analysis of 60-GHz In-street Backhaul Channel Measurements and LiDAR Ray-based Simulations | B1 | T02-P02 | Millimetre wave propagation modelling | T02 Millimetre wave 5G / Regular Session / Propagation |
| Ben, James | 18 Mar 2020 | 13:20 | 13:20 | The Sparsity and Incoherence in Compressive Sensing as Applied to Field Reconstruction | A2 (Poster Area) | Convened Poster 2-CS61 | Signal Processing Techniques for Advanced Electromagnetics Synthesis, Analysis, and Measurements | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Benaissa, Said | 20 Mar 2020 | 09:30 | 09:50 | Joint Antenna-Channel Modelling for in-to-out-Body Propagation of Dairy Cows at 868 MHz | B11 | CS20 | Assessment and Modeling of Antennas and Radio Channels Jointly | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Benammar, Bouchra | 17 Mar 2020 | 11:40 | 12:00 | Potentialities of the Numerical Weather Prediction Model WRF to Produce Attenuation Statistics in Tropical Regions | B8 | T09-P08 | Satellite propagation | T09 Space (incl. cubesat) / Regular Session / Propagation |
| Benarroch, Ana | 17 Mar 2020 | 09:30 | 09:50 | Heights of the 0°C Isotherm and the Bright Band in Madrid: Comparison and Variability | B8 | T09-P08 | Satellite propagation | T09 Space (incl. cubesat) / Regular Session / Propagation |
| Benavides-Vazquez, Javier | 18 Mar 2020 | 13:20 | 13:20 | High-gain Resonant Continuous Transverse Stub Array Using Ridge Gap-Waveguide Technology | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Benchakroun, Hamza | 17 Mar 2020 | 11:20 | 11:40 | Coverage Estimation for Microwave Imaging Using Full Multistatic Radar Imaging Algorithms with Restricted Opening | B6 | CS60 | Sensors and Systems for Microwave Biomedical Imaging and Sensing | T05 Biomedical and health / Convened Session / Antennas |
| Bencivenni, Carlo | 17 Mar 2020 | 13:20 | 13:20 | Microstrip to Ridge Gap Waveguide Transition for 28 GHz Steerable Slot Array Antennas | A2 (Poster Area) | Convened Poster 1-CS18 | Applications of mm-Wave Gap Waveguide Technology-I | T02 Millimetre wave 5G / Convened Session / Antennas |
| Ben-Hassine, Seif | 17 Mar 2020 | 13:20 | 13:20 | Validity Domain of the Odunlaya Expression for Computing the Conventional VOR Multipath Error | A2 (Poster Area) | Convened Poster 1-CS57 | Recent Research on Wind Turbines: EM Modelling and Measurements | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Benini, Alice | 19 Mar 2020 | 11:00 | 11:20 | Controlling Dual Polarization with Metasurface Leakage | B2 | CS46 | New Trends in Leaky Wave Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Benson, Niels | 19 Mar 2020 | 13:20 | 13:20 | Temperature Characterization of High-Q Resonators of Different Materials for mm-Wave Indoor Localization Tag Landmarks | Exhibition Hall | Poster3-A21 | Poster Session 3: Additive manufacturing | Antennas |
| Benson, Trevor | 18 Mar 2020 | 13:20 | 13:20 | PML Effectiveness in the Transmission Line Modelling Method for Radiation and Scattering Applications | Exhibition Hall | Poster2-E03 | Poster Session 2: Computational and numerical techniques | Electromagnetics |
| Benson, Trevor | 19 Mar 2020 | 13:20 | 13:20 | Impact of Lightning Diverter Strips on Antenna Radiation Patterns | Exhibition Hall | Poster3-M07 | Poster Session 3: Satellite and aerospace antenna characterisation | Measurements |
| Benson, Trevor | 20 Mar 2020 | 11:40 | 12:00 | Time-Domain Modelling of Solid State RF Receiver Protection Systems | B9 | T10-P02 | Propagation modelling and simulation | T10 EM modelling and simulation tools / Regular Session / Propagation |
| Benteyn, Claire | 20 Mar 2020 | 11:40 | 12:00 | A Design Methodology for Reconfigurable Reflectarrays with a Deformable Ground | B8 | CS59 | Reconfigurable Reflectarray and Transmitarrays | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Bentum, Mark | 16 Mar 2020 | 17:20 | 17:40 | Electromagnetic Field Modeling for Wireless Power Transfer in Biological Tissue | B9 | CS43 | Near- and Far-Field Wireless Power Transfer | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |

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|------------------------|-------------|-------|-------|--|------------------|------------------------|---|--|
| Berbineau, Marion | 16 Mar 2020 | 13:50 | 14:10 | Emulation of End-To-End Communications Systems in Railway Scenarios: Physical Layer Results | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Bercigli, Mirko | 18 Mar 2020 | 13:20 | 13:20 | Preliminary Analysis of the Effects of the Ground Plane on the Element Patterns of SKA1-Low | Exhibition Hall | Poster2-A02 | Poster Session 2: Antenna interactions and coupling | Antennas |
| Berg, Markus | 16 Mar 2020 | 16:20 | 16:40 | Dual-band Dual-polarized Antenna for mm-Wave 5G Base Station Antenna Array | A2 | T02-A04/1 | Millimetre wave arrays for mobile communications | T02 Millimetre wave 5G / Regular Session / Antennas |
| Berg, Markus | 18 Mar 2020 | 13:20 | 13:20 | A Multiple-Feed Connected Leaky Slot Antenna for In-Antenna Power Combining in 0.13Um SiGe BiCMOS Technology | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Berg, Markus | 18 Mar 2020 | 13:20 | 13:20 | Depolarization Due to Wedge Diffraction in Satellite Radiowave Communication | Exhibition Hall | Poster2-E06 | Poster Session 2: Scattering and diffraction | Electromagnetics |
| Berg, Markus | 19 Mar 2020 | 17:20 | 17:40 | Sea Surface Characterization Using Dual Polarized GNSS Reception System | B8 | T09-P13 | Propagation Aspects in Remote Sensing | T09 Space (incl. cubesat) / Regular Session / Propagation |
| Berge, Laurent | 18 Mar 2020 | 11:00 | 11:20 | The Optical Combiner of QUBIC: The Q & U Bolometric Interferometer for Cosmology | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Bergman, Jan | 19 Mar 2020 | 13:20 | 13:20 | Beam Optimization for 28 GHz Phased Array Utilizing Measurement Data | Exhibition Hall | Poster3-M10 | Poster Session 3: General antenna measurements | Measurements |
| Bergmann, Jose R | 17 Mar 2020 | 18:00 | 18:20 | Perturbational Method for Modeling Electromagnetic Propagation Through Non-axisymmetric Geophysical Formations | B11 | T10-E03/2 | Computational and numerical techniques 2 | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Berkelmann, Lukas | 18 Mar 2020 | 11:40 | 12:00 | Evaluation of Surface Equivalence for On-Body Propagation Modelling of Hearing Aid Antennas | B2 | CS62 | Small Antenna in a Human Body Environment | T04 IoT and M2M / Convened Session / Antennas |
| Berlt, Philipp | 16 Mar 2020 | 14:10 | 14:30 | Accurate 3D Phase Recovery of Automotive Antennas Through LTE Power Measurements on A Cylindrical Surface | B7 | CS05 | AMTA Session: Automotive Antenna Measurements and Testing | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Convened Session / Measurements |
| Bermudez, Maria M | 16 Mar 2020 | 17:20 | 17:40 | 3D Antenna-on-Package for Near-Isotropic Radiation Shielded from Embedded Electronics | B2 | T04-A08 | IoT antennas | T04 IoT and M2M / Regular Session / Antennas |
| Bernard, Jean-Gaël | 17 Mar 2020 | 11:00 | 11:20 | Pilot Patient Study with the Wavelia Microwave Breast Imaging System for Breast Cancer Detection: Clinical Feasibility and Identified Technical Challenges | B6 | CS60 | Sensors and Systems for Microwave Biomedical Imaging and Sensing | T05 Biomedical and health / Convened Session / Antennas |
| Bernard, Jean-Philippe | 18 Mar 2020 | 11:00 | 11:20 | The Optical Combiner of QUBIC: The Q & U Bolometric Interferometer for Cosmology | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Bernard, Loic | 18 Mar 2020 | 13:20 | 13:20 | Telemetry Antennas Withstanding Very High Accelerations and Centrifugal Forces | A2 (Poster Area) | Convened Poster 2-CS14 | Antennas for Harsh Environment | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Bernhard, Jennifer T. | 20 Mar 2020 | 09:50 | 10:10 | Signal-to-Noise Ratio Considerations for Secure Antenna Polarization Modulation | A2 | T01-A22 | MIMO, diversity, smart antennas & signal processing | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Berrahou, Djamel | 17 Mar 2020 | 11:20 | 11:40 | An Artificial Shield for MRI Birdcage Coil with Constructive Interference | B9 | CS09 | Analytical and Numerical Methods for Metasurface Analysis and Design | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Berrahou, Djamel | 17 Mar 2020 | 13:20 | 13:20 | Experimental Validation of the Concept of an OpenCage Head Coil for Ultra-High Field MRI | A2 (Poster Area) | Convened Poster 1-CS27 | Electromagnetics in MRI Applications | T05 Biomedical and health / Convened Session / Electromagnetics |
| Berro, Rana | 17 Mar 2020 | 12:00 | 12:20 | Radiative Loss in Small Inverted-F Antenna Transmission Line Model | B2 | CS16 | Antennas in IoT Wireless Devices: Modelling and Industrial Considerations | T04 IoT and M2M / Convened Session / Antennas |
| Bersanelli, Marco | 18 Mar 2020 | 11:00 | 11:20 | The Optical Combiner of QUBIC: The Q & U Bolometric Interferometer for Cosmology | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Bersanelli, Marco | 18 Mar 2020 | 11:40 | 12:00 | A Drone-Mounted Q-Band Test-Source for the Validation of the Large Scale Polarization Explorer | B11 | T06-M10 | UAV-Based Antenna Measurements (AMTA) | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Measurements |
| Bertuch, Thomas | 18 Mar 2020 | 13:20 | 13:20 | Mechanical and Environmental Aspects of Antennas for a Novel Maritime Search and Rescue System | A2 (Poster Area) | Convened Poster 2-CS14 | Antennas for Harsh Environment | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Beruete, Miguel | 18 Mar 2020 | 13:20 | 13:20 | A Gap Waveguide Fed Circular Polarization Antennas in the Millimeter Wave Range | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Beruete, Miguel | 19 Mar 2020 | 13:20 | 13:20 | Labyrinth Absorber Based on Metageometries Metasurface for Fungi Detection | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Beruete, Miguel | 19 Mar 2020 | 13:20 | 13:20 | Ultrathin Zigzag Half-Wave Plate Metasurface with Near-Unity Axial Ratio and High Transmission Efficiency in Terahertz Range | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Besnier, Philippe | 17 Mar 2020 | 08:30 | 08:50 | Radar Cross Section Measurement Within Reverberation Chamber: Stirrer Position Issues | B4 | T11-M02 | Radar scattering measurement and calibration techniques | T11 Fundamental research and emerging technologies / Regular Session / Measurements |
| Besnier, Philippe | 18 Mar 2020 | 13:20 | 13:20 | Intensity-only Imaging Using Broadband Correlations in Reverberation Chambers | Exhibition Hall | Poster2-P12 | Poster Session 2: Radar, localisation, and sensing | Propagation |
| Besnier, Philippe | 19 Mar 2020 | 13:20 | 13:20 | Comparison of Antenna Radiation Efficiency Measurement Techniques in Reverberation Chamber Using or Not a Reference Antenna | Exhibition Hall | Poster3-M10 | Poster Session 3: General antenna measurements | Measurements |
| Besnier, Philippe | 20 Mar 2020 | 08:30 | 08:50 | Diffuse Field Cross-Correlation in a Reverberation Chamber Stirred with Reconfigurable Reflectarray Metasurfaces | B5 | T11-M05 | EMI/EMC/PIM chambers, instrumentation, and measurements | T11 Fundamental research and emerging technologies / Regular Session / Measurements |

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| Bester, Alo-Hel  ne | 19 Mar 2020 | 12:00 | 12:20 | Locating Sources of Reflection Errors in an Anechoic Chamber by Creating an Error Surface Plot | B10 | CS07 | AMTA/EurAAP Session: Post Processing Techniques in Antenna Measurements | T11 Fundamental research and emerging technologies / Convened Session / Measurements |
| Betz, Stefan | 18 Mar 2020 | 09:50 | 10:10 | Microwave Tomography for Estimating Moisture Content Distribution in Porous Foam Using Neural Networks | B10 | T11-P02/2 | Machine Learning in Radio Propagation | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Bevacqua, Martina Teresa | 17 Mar 2020 | 09:10 | 09:30 | Qualitative Techniques for Generating Spatial Prior Information for Biomedical Microwave Imaging | B6 | CS60 | Sensors and Systems for Microwave Biomedical Imaging and Sensing | T05 Biomedical and health / Convened Session / Antennas |
| Bevacqua, Martina Teresa | 17 Mar 2020 | 11:40 | 12:00 | Potentialities of Inverse Scattering Techniques for Breast Cancer Imaging at Millimeter-Waves Frequencies | B7 | SW02 | COST Session CA17115 (MyWAVE): Developments in Electromagnetic-Based Medical Technologies | T05 Biomedical and Health / Convened Session / Electromagnetics |
| Bevacqua, Martina Teresa | 19 Mar 2020 | 09:50 | 10:10 | On the Optimal Matching Medium and Working Frequency in EM-based Medical Devices | B6 | T05-A12/2 | Point of Care Microwave Sensors | T05 Biomedical and health / Regular Session / Antennas |
| Bevacqua, Martina Teresa | 19 Mar 2020 | 11:00 | 11:20 | Qualitative Imaging of Experimental Multistatic Ground Penetrating Radar Data | B9 | T10-E05/1 | Electromagnetic Methods for Direct and Inverse Scattering Involving Stratified Media | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Bevacqua, Martina Teresa | 19 Mar 2020 | 17:20 | 17:40 | Inverse Scattering by Means of a New Rewriting of the Integral Equations | B9 | T10-E05/2 | Imaging and inverse scattering | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Bharti, Ayush | 17 Mar 2020 | 13:20 | 13:20 | Joint Statistical Modeling of Received Power, Mean Delay, and Delay Spread for Indoor Wideband Radio Channels | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Bhattacharjee, Ratnajit | 16 Mar 2020 | 16:20 | 16:40 | Pattern Shifting and Size Control in Offset Reflector Antennas with Microstrip Array as Matched Feed | B5 | T08-A17 | Antennas and techniques for positioning and direction finding | T08 Positioning, localization & tracking / Regular Session / Antennas |
| Bhattacharjee, Ratnajit | 17 Mar 2020 | 13:20 | 13:20 | Impedance Bandwidth Performance of TM10   Mode in Equilateral Triangular DRA | Exhibition Hall | Poster1-A07 | Poster Session 1: Dielectric resonator antennas | Antennas |
| Bhutani, Akanksha | 17 Mar 2020 | 13:20 | 13:20 | In-Antenna Power Combining for Highly-Integrated Millimeter-Wave Transmitters | A2 (Poster Area) | Convened Poster 1-CS17 | Antennas with Multi-Port/Distributed Feeding and On-Antenna Power-Combining for Efficient Integration and Reconfigurability | T02 Millimetre wave 5G / Convened Session / Antennas |
| Bhutani, Akanksha | 18 Mar 2020 | 13:20 | 13:20 | Circular-Polarization Mushroom EBG Antenna Module for 122 GHz Monostatic Radar Sensor in LTCC Technology | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Bia, Pietro | 19 Mar 2020 | 13:20 | 13:20 | Self-Sustained Biconical Antenna Realized in Additive Manufacturing Technology | Exhibition Hall | Poster3-A21 | Poster Session 3: Additive manufacturing | Antennas |
| Bica  s, Simon | 17 Mar 2020 | 13:20 | 13:20 | Assessment of sub-THz Mesh Backhaul Capabilities from Realistic Modelling at the PHY Layer | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Bila, St  phane | 16 Mar 2020 | 16:20 | 16:40 | Multiple Moving Targets Tracking Based on Kernel Localization and Group Trackers for Envisioned Functional Microwave Brain Imaging Applications | B8 | T05-E05 | Microwave imaging | T05 Biomedical and health / Regular Session / Electromagnetics |
| Bila, St  phane | 17 Mar 2020 | 13:20 | 13:20 | Dynamic Short-Range Sensing Approach Using MIMO Radar for Brain Activities Monitoring | Exhibition Hall | Poster1-A22 | Poster Session 1: MIMO, diversity, smart antennas & signal processing | Antennas |
| Bila, St  phane | 18 Mar 2020 | 09:10 | 09:30 | A Novel Machine Learning Approach of Hemorrhage Stroke Detection in Differential Microwave Head Imaging System | B10 | T11-P02/2 | Machine Learning in Radio Propagation | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Bila, St  phane | 20 Mar 2020 | 11:20 | 11:40 | Optimal Bounds and Matching Networks of Fixed Degree and for Frequency Varying Impedances | B10 | CS11 | Antenna Design and Fundamental Bounds with External Constraints | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Bilgic, Mustafa Murat | 18 Mar 2020 | 13:20 | 13:20 | Antennas on CubeSat Platforms: Accurate RF Predictions | Exhibition Hall | Poster2-A02 | Poster Session 2: Antenna interactions and coupling | Antennas |
| Bilibashi, Denis | 17 Mar 2020 | 17:40 | 18:00 | Dynamic Ray Tracing: Introduction and Concept | B7 | CS03 | Advanced Radar Measurements, Modelling and System Solutions for Vehicular Applications | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Convened Session / Measurements |
| Bilotti, Filiberto | 16 Mar 2020 | 17:20 | 17:40 | Propagation Through Metamaterial Temporal Slabs: Transmission, Reflection and Special Cases | B11 | T11-E08 | Metamaterials, metasurfaces and advanced materials | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Bilotti, Filiberto | 18 Mar 2020 | 12:00 | 12:20 | Doppler Cloak: Concept and Realistic Implementation Through Space-Time Modulated Metamaterials and Time-Modulated Metasurfaces | B5 | CS47 | Non-Magnetic Nonreciprocity | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Bilotti, Filiberto | 18 Mar 2020 | 13:20 | 13:20 | Latest Developments on Non-linear and Time-varying Metasurfaces and Topological Antennas | A2 (Poster Area) | Convened Poster 2-CS50 | Novel Wave Phenomena in Metamaterials and Metasurfaces Applied to Antennas and Propagation | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Bilotti, Filiberto | 19 Mar 2020 | 13:20 | 13:20 | Scattering-free Energy Storage in Open Cavities Bounded by Metasurfaces | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Bilotti, Filiberto | 19 Mar 2020 | 18:00 | 18:20 | Metasurface-Based Radar Jammers and Deceptors Implemented Through Time-Varying Metasurfaces | B7 | T06-P12 | Radar, localisation and sensing for aircraft and automotive applications | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Propagation |
| Bilotti, Filiberto | 20 Mar 2020 | 09:10 | 09:30 | Perfect Matching of Reactive-Loaded Transmission Lines Through Complex Excitation | B4 | T11-E06 | Scattering and diffraction | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Bioucas, Jose | 19 Mar 2020 | 13:20 | 13:20 | Antenna Phase Center and Angular Dispersion Estimation Using Planar Acquisition Setup Applied to Microwave Breast Imaging | Exhibition Hall | Poster3-A23 | Poster Session 3: Other antenna topics | Antennas |
| Biscarini, Marianna | 17 Mar 2020 | 13:20 | 13:20 | Satellite Link-Budget Statistical Prediction from Weather Forecast Models: Verification with Hayabusa-2 Ka-band Data | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |

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| Biscarini, Marianna | 19 Mar 2020 | 17:40 | 18:00 | The MEKaP Project: Measuring Tropospheric Impairments at Ka Band with MEO Satellites | B8 | T09-P13 | Propagation Aspects in Remote Sensing | T09 Space (incl. cubesat) / Regular Session / Propagation |
| Biscontini, Bruno | 17 Mar 2020 | 16:40 | 17:00 | Active Antenna Architectures for Enhanced 5G System Performance | B5 | CS28 | EuMA/EurAAP Session: From Radiating Section to Digital Interface - Research and Design Trends for an End-To-End Approach of Highly Integrated Active Antenna Systems | T02 Millimetre wave 5G / Convened Session / Antennas |
| Bishop, James | 20 Mar 2020 | 12:00 | 12:20 | Building Entry Loss and Clutter Loss at 26 GHz | A3 | CS37 | IRACON Spectrum Sharing: Challenges and Opportunities for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Bisio, Igor | 17 Mar 2020 | 10:40 | 11:00 | A Tomographic Multistatic System for Biomedical Microwave Sensing | B6 | CS60 | Sensors and Systems for Microwave Biomedical Imaging and Sensing | T05 Biomedical and health / Convened Session / Antennas |
| Biswas, Animesh | 16 Mar 2020 | 13:50 | 14:10 | Novel Dual-mode SIHC Based Filtering Antenna | B4 | T07-A | Antenna theory and system design | T07 Defence and security / Regular Session / Antennas |
| Biurrun-Quel, Carlos | 17 Mar 2020 | 13:20 | 13:20 | New Hexagonal CORPS-BFN for Multibeam Antenna Applications | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Björninen, Toni | 17 Mar 2020 | 17:20 | 17:40 | Headband Antenna for Wireless Power Transfer to Millimeter-Sized Neural Implants with Minimal Misalignment Effects | A2 | T04-A20 | Wireless power transfer and inductive coupling | T04 IoT and M2M / Regular Session / Antennas |
| Björninen, Toni | 19 Mar 2020 | 13:20 | 13:20 | Circularly Polarized Corner-Truncated and Slotted Microstrip Patch Antenna on Textile Substrate for Wearable Passive UHF RFID Tags | Exhibition Hall | Poster3-A12 | Poster Session 3: Wearable and implantable antennas | Antennas |
| Blagoveshchensky, Donat | 17 Mar 2020 | 13:20 | 13:20 | Complex Sounding of the Ionosphere During the Intense Magnetic Substorm | Exhibition Hall | Poster1-P03 | Poster Session 1: Channel sounding and parameter estimation techniques | Propagation |
| Blagoveshchensky, Donat | 18 Mar 2020 | 10:40 | 11:00 | Possibility of Signal Reflection from the Northern Crest of EIA: Case Study | B10 | T11-P04 | Experimental methods and campaigns | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Blakaj, Valon | 19 Mar 2020 | 09:10 | 09:30 | Reflected Wave Fields from a Fluctuating Earth Surface - a Phase-Space Approach | B9 | T10-E05/1 | Electromagnetic Methods for Direct and Inverse Scattering Involving Stratified Media | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Blakaj, Valon | 20 Mar 2020 | 10:40 | 11:00 | Towards Hybrid Statistical-Deterministic Wireless Channel Modelling of Multiroom Environments | B11 | CS20 | Assessment and Modeling of Antennas and Radio Channels Jointly | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Blanch Boris, Sebastian | 19 Mar 2020 | 13:20 | 13:20 | Antenna Packaging for In-body Applications | Exhibition Hall | Poster3-A12 | Poster Session 3: Wearable and implantable antennas | Antennas |
| Blanco, Darwin | 17 Mar 2020 | 13:20 | 13:20 | A Simplified Extended SIW Supporting TE _[01] Integrated with a Feeding Structure | A2 (Poster Area) | Convened Poster 1-CS10 | Antenna Array and Integrated Systems for 5G Communication Applications | T02 Millimetre wave 5G / Convened Session / Antennas |
| Blanco, Darwin | 17 Mar 2020 | 17:20 | 17:40 | Phased Array at Mm-Waves Based on Filter-Integrated Antenna Elements | A3 | CS56 | Recent Advances on Electronically Steerable Antenna Arrays at mm-Wave Frequencies | T02 Millimetre wave 5G / Convened Session / Antennas |
| Blanco, Darwin | 20 Mar 2020 | 10:40 | 11:00 | Experimental Characterization of a Wideband G-Band Circularly Polarized Lens Antenna | B2 | T02-M08 | Mm-wave, THz, and quasi-optical antenna measurements | T02 Millimetre wave 5G / Regular Session / Measurements |
| Blazek, Thomas | 17 Mar 2020 | 08:50 | 09:10 | A Hardware-in-the-Loop Evaluation of the Impact of the V2X Channel on the Traffic-Safety Versus Efficiency Trade-offs | A3 | CS35 | IET/IRACON Session: Propagation Measurements and Modelling for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Blazek, Thomas | 17 Mar 2020 | 13:20 | 13:20 | A Bandwidth Scalable Millimetre Wave Over-The-Air Test System with Low Complexity | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Blazek, Thomas | 19 Mar 2020 | 11:40 | 12:00 | Accuracy Requirements for Cooperative Radar with Sensor Fusion | B5 | CS25 | Convergence of Mobile Radio and Radar | T08 Positioning, localization & tracking / Convened Session / Propagation |
| Bleszynski, Elizabeth | 19 Mar 2020 | 09:10 | 09:30 | Analytic Expressions for Matrix Elements of Integral Equation Operators and Aspects of Their Numerical Implementation | B8 | CS30 | Fundamental Challenges and Novel Methodologies in the Next-Generation Computational Electromagnetics | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Bleszynski, Marek | 19 Mar 2020 | 09:10 | 09:30 | Analytic Expressions for Matrix Elements of Integral Equation Operators and Aspects of Their Numerical Implementation | B8 | CS30 | Fundamental Challenges and Novel Methodologies in the Next-Generation Computational Electromagnetics | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Bleurvaq, N | 18 Mar 2020 | 11:00 | 11:20 | The Optical Combiner of QUBIC: The Q & U Bolometric Interferometer for Cosmology | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Bliokh, Yury | 20 Mar 2020 | 09:50 | 10:10 | How Radiation Propagates in Random Media: Spatial Structure of Transmission Eigenchannels | B4 | T11-E06 | Scattering and diffraction | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Blumenstein, Jiri | 16 Mar 2020 | 13:30 | 13:50 | 60 GHz V2I Channel Variability for Different Elevation Angle Switching Strategies | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| BniLam, Noori | 16 Mar 2020 | 17:00 | 17:20 | RSS-based AoA Estimation System for IoT Applications Using Rotman Lens | B5 | T08-A17 | Antennas and techniques for positioning and direction finding | T08 Positioning, localization & tracking / Regular Session / Antennas |
| Boccia, Luigi | 17 Mar 2020 | 13:20 | 13:20 | An 8x8 Cavity Backed Waveguide Antenna Array for D-Band Backhauling Communications | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Boccia, Luigi | 18 Mar 2020 | 13:20 | 13:20 | Magneto-Electric Dipole Antenna for 5-G Applications | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Boccia, Luigi | 18 Mar 2020 | 13:20 | 13:20 | A Wide-Angle Scanning Polarization Converter Based on Jerusalem-Cross Frequency Selective Surface | Exhibition Hall | Poster2-E07 | Poster Session 2: Frequency and polarization selective surfaces | Electromagnetics |
| Bodehou, Modeste | 17 Mar 2020 | 12:00 | 12:20 | Dual-Band Beams Generation with Metasurface Based on the EFIE | B9 | CS09 | Analytical and Numerical Methods for Metasurface Analysis and Design | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |

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| Bodi, Anuraag | 17 Mar 2020 | 09:30 | 09:50 | Penetration Loss at 60 GHz for Indoor-to-Indoor and Outdoor-to-Indoor Mobile Scenarios | A3 | CS35 | IET/IRACON Session: Propagation Measurements and Modelling for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Boer, Vincent | 17 Mar 2020 | 13:20 | 13:20 | Design of a Quadrature Coil for MRI of Carbon in Human Liver at 7T | A2 (Poster Area) | Convened Poster 1-CS27 | Electromagnetics in MRI Applications | T05 Biomedical and health / Convened Session / Electromagnetics |
| Boix, Rafael R. | 18 Mar 2020 | 10:40 | 11:00 | Bandwidth Improvement of Reflectarray Cells Using Variable Rotation Technique at Two Frequencies for Dual Circular Polarization | A2 | T09-A19 | Reflect arrays and transmit arrays | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Boix, Rafael R. | 19 Mar 2020 | 12:00 | 12:20 | Fast and Accurate Analysis of Multilayered Periodic Structures Used in the Design of Reflectarray and Metasurface Antennas | B8 | CS30 | Fundamental Challenges and Novel Methodologies in the Next-Generation Computational Electromagnetics | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Bolli, Pietro | 17 Mar 2020 | 16:40 | 17:00 | Characteristic Mode Analysis of Multi-Octave Asymmetric Dipoles | B8 | CS15 | Antennas for Radio Astronomy | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Bolli, Pietro | 18 Mar 2020 | 11:20 | 11:40 | Comparison Between Measured and Simulated Antenna Patterns for a LOFAR LBA Array | B11 | T06-M10 | UAV-Based Antenna Measurements (AMTA) | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Measurements |
| Bolli, Pietro | 18 Mar 2020 | 13:20 | 13:20 | Preliminary Analysis of the Effects of the Ground Plane on the Element Patterns of SKA1-Low | Exhibition Hall | Poster2-A02 | Poster Session 2: Antenna interactions and coupling | Antennas |
| Bonaparte, J | 18 Mar 2020 | 11:00 | 11:20 | The Optical Combiner of QUBIC: The Q & U Bolometric Interferometer for Cosmology | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Bonci, Alessio | 19 Mar 2020 | 17:40 | 18:00 | Site Validation Based on the Use of Broadband Calculable Antennas and Numerical Simulations | B10 | CS48 | Novel Antenna Measurement Data Analysis and Techniques | T11 Fundamental research and emerging technologies / Convened Session / Measurements |
| Bonefačić, Davor | 19 Mar 2020 | 13:20 | 13:20 | Textile Antenna as Moisture Sensor | Exhibition Hall | Poster3-A12 | Poster Session 3: Wearable and implantable antennas | Antennas |
| Bonello, Julian | 18 Mar 2020 | 10:40 | 11:00 | On the Dielectric/Thermal Characterization and Calibration of Solutions and Materials for Biomedical Applications | B6 | SW03 | COST Session CA17115 (MyWAVE): Supporting Medical Device Development via Dielectric and Thermal Tissue Characterization | T05 Biomedical and health / Convened Session / Measurements |
| Bonello, Julian | 19 Mar 2020 | 11:40 | 12:00 | Determining the Concentration of Red Blood Cells Using Dielectric Properties | B7 | T11-P10 | Propagation in biological tissues | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Bonis, J | 18 Mar 2020 | 11:00 | 11:20 | The Optical Combiner of QUBIC: The Q & U Bolometric Interferometer for Cosmology | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Bonnafont, Thomas | 20 Mar 2020 | 10:40 | 11:00 | A Speed Up of Split-Step Wavelet for the Computation of Long Range Propagation | B9 | T10-P02 | Propagation modelling and simulation | T10 EM modelling and simulation tools / Regular Session / Propagation |
| Boontamchaay, Phanuphong | 19 Mar 2020 | 13:20 | 13:20 | A Compact Printed Wideband Circularly Polarized Slot Antenna for Universal UHF RFID Reader | Exhibition Hall | Poster3-A15 | Poster Session 3: RFID antennas/sensors and systems | Antennas |
| Booske, John | 20 Mar 2020 | 09:30 | 09:50 | A 2-Bit Phase-Shifting Unit Cell Design for Beam-Steerable Reflectarrays | B8 | CS59 | Reconfigurable Reflectarray and Transmitarrays | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Borgoños-García, Mónica | 16 Mar 2020 | 16:00 | 16:20 | Rectenna at 2.45 GHz for Wearable Applications | B6 | T05-A12/1 | Wearable and implantable antennas | T05 Biomedical and health / Regular Session / Antennas |
| Boria, Vicente | 17 Mar 2020 | 12:00 | 12:20 | Multibeam Array Antennas Based on Evanescent-Mode Ridge-Waveguide Radiating Filters | B5 | CS01 | Active Antennas for Onboard Space Applications | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Bories, Serge | 17 Mar 2020 | 12:00 | 12:20 | Radiative Loss in Small Inverted-F Antenna Transmission Line Model | B2 | CS16 | Antennas in IoT Wireless Devices: Modelling and Industrial Considerations | T04 IoT and M2M / Convened Session / Antennas |
| Bornkessel, Christian | 16 Mar 2020 | 14:10 | 14:30 | Accurate 3D Phase Recovery of Automotive Antennas Through LTE Power Measurements on A Cylindrical Surface | B7 | CS05 | AMTA Session: Automotive Antenna Measurements and Testing | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Convened Session / Measurements |
| Bornkessel, Christian | 17 Mar 2020 | 13:20 | 13:20 | Advanced Calibration Method for Accurate Microwave Absorber Reflectivity Measurements at Oblique Illumination Angles | Exhibition Hall | Poster1-M01 | Poster Session 1: Material characterisation and non-destructive testing | Measurements |
| Bornkessel, Christian | 19 Mar 2020 | 09:30 | 09:50 | Experimental Determination of the Total Radiated Power of Automotive Antennas in the Installed State | B10 | CS07 | AMTA/EurAAP Session: Post Processing Techniques in Antenna Measurements | T11 Fundamental research and emerging technologies / Convened Session / Measurements |
| Borries, Oscar | 17 Mar 2020 | 13:20 | 13:20 | Full-wave Scattering from Reflector Antennas on Electrically Large Platforms Using low-Memory Computers | Exhibition Hall | Poster1-A18 | Poster Session 1: Reflector, feed systems, and components | Antennas |
| Borries, Oscar | 18 Mar 2020 | 13:20 | 13:20 | Antennas on CubeSat Platforms: Accurate RF Predictions | Exhibition Hall | Poster2-A02 | Poster Session 2: Antenna interactions and coupling | Antennas |
| Borries, Oscar | 18 Mar 2020 | 14:50 | 15:30 | Computational Electromagnetics in Space | A3 | IS-Wed 2/1 | Invited Speaker Session | Electromagnetics |
| Borries, Oscar | 19 Mar 2020 | 17:00 | 17:20 | Design of Advanced Reflectarrays for Future CubeSat Applications | B11 | SW05 | ESA Session: Selected Papers from the 40th ESA Workshop on Antenna Developments for Terrestrial and Small-Space Platforms | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Bosiljevac, Marko | 16 Mar 2020 | 17:40 | 18:00 | Analysis of Glide-Symmetric Dielectric Corrugated Structures - Properties of TE and TM Propagating Modes | B1 | SW04 | COST Session CA18223 (SyMat): Periodic Structures with Higher Symmetries | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Bosiljevac, Marko | 17 Mar 2020 | 10:40 | 11:00 | Analysis of Curved Metasurfaces Based on Method of Moments | B9 | CS09 | Analytical and Numerical Methods for Metasurface Analysis and Design | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Bosiljevac, Marko | 17 Mar 2020 | 09:50 | 10:10 | Design Concerns for In-body Antennas Based on Frequency Analysis of Fundamental Radiation Limitations | B2 | CS16 | Antennas in IoT Wireless Devices: Modelling and Industrial Considerations | T04 IoT and M2M / Convened Session / Antennas |

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| Bosiljevac, Marko | 18 Mar 2020 | 11:20 | 11:40 | Antenna for a Cranial Implant: Simulation Issues and Design Strategies | B2 | CS62 | Small Antenna in a Human Body Environment | T04 IoT and M2M / Convened Session / Antennas |
| Bosiljevac, Marko | 18 Mar 2020 | 13:20 | 13:20 | Optimal Frequency of Operation and Radiation Efficiency Limitations of Implantable Antennas | A2 (Poster Area) | Convened Poster 2-CS14 | Antennas for Harsh Environment | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Bosma, Sjoerd | 16 Mar 2020 | 14:10 | 14:30 | On the Design of a 27-dBi Phased Array for 5G Point-to-Point Communications | A2 | CS02 | Advanced Antenna Arrays for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Antennas |
| Bosma, Sjoerd | 16 Mar 2020 | 14:30 | 14:50 | Near-Field Beamforming in Leaky-Wave Resonant Antennas | B2 | CS21 | Challenges in Leaky Wave Antennas and Novel Approaches to Solve Them | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Bosma, Sjoerd | 17 Mar 2020 | 13:20 | 13:20 | On the Development of a Scanning Lens Phased Array at 550GHz | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Bosselmann, Patrick | 19 Mar 2020 | 13:20 | 13:20 | On Complex Radar Cross Section and Backscatter Modulation Efficiency in RFID Systems | Exhibition Hall | Poster3-A15 | Poster Session 3: RFID antennas/sensors and systems | Antennas |
| Botha, Matthys M. | 17 Mar 2020 | 10:40 | 11:00 | An Iterative Method for the Analysis of Large Disjoint Antenna Arrays | B11 | T10-E03/1 | Computational and numerical techniques 1 | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Botha, Matthys M. | 17 Mar 2020 | 11:00 | 11:20 | Directional Method to Compute Reduced Matrix System in MBF Solvers | B11 | T10-E03/1 | Computational and numerical techniques 1 | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Botros, Joseph | 18 Mar 2020 | 13:20 | 13:20 | Millimeter-wave Bandpass Frequency Selective Structure Using Stacked Dielectric Slabs | Exhibition Hall | Poster2-E07 | Poster Session 2: Frequency and polarization selective surfaces | Electromagnetics |
| Bottani, A | 18 Mar 2020 | 11:00 | 11:20 | The Optical Combiner of QUBIC: The Q & U Bolometric Interferometer for Cosmology | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Bottauscio, Oriano | 18 Mar 2020 | 13:20 | 13:20 | Gradient-induced Heating of a Metallic Hip Implant in Magnetic Resonance Imaging | Exhibition Hall | Poster2-E03 | Poster Session 2: Computational and numerical techniques | Electromagnetics |
| Böttcher, Martin | 19 Mar 2020 | 13:20 | 13:20 | L/S & C Band Medium Gain Ridge Horn Intercomparison Campaign Results | Exhibition Hall | Poster3-M10 | Poster Session 3: General antenna measurements | Measurements |
| Bottiglieri, Anna | 17 Mar 2020 | 09:50 | 10:10 | Monitoring Microwave Thermal Ablation Using Electrical Impedance Tomography: An Experimental Feasibility Study | B7 | SW02 | COST Session CA17115 (MyWAVE): Developments in Electromagnetic-Based Medical Technologies | T05 Biomedical and Health / Convened Session / Electromagnetics |
| Bottiglieri, Anna | 18 Mar 2020 | 08:30 | 08:50 | Thermal Properties of Ex Vivo Biological Tissue at Room and Body Temperature | B6 | SW03 | COST Session CA17115 (MyWAVE): Supporting Medical Device Development via Dielectric and Thermal Tissue Characterization | T05 Biomedical and health / Convened Session / Measurements |
| Boudreau, Nicholas | 17 Mar 2020 | 09:10 | 09:30 | Active Antennas Radiated Spurious | B5 | CS01 | Active Antennas for Onboard Space Applications | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Boulanger, Xavier | 17 Mar 2020 | 11:40 | 12:00 | Potentialities of the Numerical Weather Prediction Model WRF to Produce Attenuation Statistics in Tropical Regions | B8 | T09-P08 | Satellite propagation | T09 Space (incl. cubesat) / Regular Session / Propagation |
| Boulanger, Xavier | 17 Mar 2020 | 13:20 | 13:20 | Nine Years of Excess Attenuation Statistics of Earth-Space Propagation Experiments at Ka-Band in Toulouse, France | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Boulos, Federico | 17 Mar 2020 | 13:20 | 13:20 | Modeling of a Realistic Hybrid Metal-Plasma Transmit-array with Beam-scanning Capabilities | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Boulos, Federico | 18 Mar 2020 | 11:00 | 11:20 | Advanced Teaching in Electromagnetics at the ELEDIA Research Center | B4 | CS26 | Education in Electromagnetics, Antennas, and Microwaves | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Boulos, Federico | 19 Mar 2020 | 11:20 | 11:40 | Multi-Resolution Through-the-Wall Microwave Imaging of Strong Scatterers | B9 | T10-E05/1 | Electromagnetic Methods for Direct and Inverse Scattering Involving Stratified Media | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Boursianis, Achilles D. | 17 Mar 2020 | 11:00 | 11:20 | Wearable 5-Gigahertz Wi-Fi Antenna Design Using Whale Optimization Algorithm | B10 | CS39 | Machine Learning in Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Boursianis, Achilles D. | 18 Mar 2020 | 13:20 | 13:20 | Multiband Patch Antenna Design for RF Energy Harvesting Applications Using Coyote Optimization Algorithm | A2 (Poster Area) | Convened Poster 2-CS61 | Signal Processing Techniques for Advanced Electromagnetics Synthesis, Analysis, and Measurements | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Boust, Fabrice | 16 Mar 2020 | 13:50 | 14:10 | Reconfigurable Sparse Metasurface: Beamforming Beyond Phase Gradient Heuristics | B11 | T11-E08 | Metamaterials, metasurfaces and advanced materials | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Boutayeb, Halim | 17 Mar 2020 | 11:40 | 12:00 | Substrate Integrated Dual Linearly Polarized End-Fire Antenna Array Operating at 28GHz | A2 | T02-A04/2 | Millimetre wave arrays for mobile terminals | T02 Millimetre wave 5G / Regular Session / Antennas |
| Boutayeb, Halim | 19 Mar 2020 | 13:20 | 13:20 | Multi-Band/Wide Band Printed Quad Helical Antenna | Exhibition Hall | Poster3-A11 | Poster Session 3: Multiband and wideband antennas | Antennas |
| Boutayeb, Halim | 19 Mar 2020 | 16:40 | 17:00 | Dual Polarized Dual Band Collocated Beam Switching Antennas for WLAN Applications | B1 | T03-A11 | Antennas for WLAN Applications | T03 Wireless LANs / Regular Session / Antennas |
| Boutier, Philippe | 18 Mar 2020 | 11:20 | 11:40 | Harness Connection and Immediate Environment Impact on RF Automotive Receivers Antenna BW | B7 | T06-A17 | Automotive antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Bowen, Landen A. | 17 Mar 2020 | 11:20 | 11:40 | Rigid-Flexible Antenna Array (RFAA) for Lightweight Deployable Apertures | B5 | CS01 | Active Antennas for Onboard Space Applications | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Brachvogel, Marius | 19 Mar 2020 | 16:40 | 17:00 | Interference Mitigation for Robust Automotive Satellite Navigation Achieved with Compact Distributed Antenna Sub-Arrays | B5 | CS31 | GNSS Antennas and Systems for Challenged RF Environment | T08 Positioning, localization & tracking / Convened Session / Antennas |
| Bradley, Patrick | 17 Mar 2020 | 16:40 | 17:00 | Water-Based Microwave Absorber | B4 | CS67 | Water-Based Microwave Devices | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |

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| Bredemeyer, Jochen | 17 Mar 2020 | 13:20 | 13:20 | An Improved Forecast Method for the Interaction of Wind Turbines with Doppler VOR | A2 (Poster Area) | Convened Poster 1-CS57 | Recent Research on Wind Turbines: EM Modelling and Measurements | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Bredemeyer, Jochen | 18 Mar 2020 | 12:00 | 12:20 | Advanced Remote-Controlled Airborne Sensor Systems | B11 | T06-M10 | UAV-Based Antenna Measurements (AMTA) | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Measurements |
| Breinbjerg, Olav | 16 Mar 2020 | 17:20 | 17:40 | MetOp-SG Scatterometer Antenna Testing - Golden Standard Measurement 2019 | B7 | T06-M03 | Near-field, far-field, compact and RCS range measurement techniques | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Measurements |
| Breinbjerg, Olav | 17 Mar 2020 | 08:50 | 09:10 | The Discovery of Electromagnetism by Hans Christian Ørsted 200 Years Ago | B11 | BC/1 | History of Electromagnetism 1 | T13 Bicentennial Session / Electromagnetics |
| Brennan, Conor | 17 Mar 2020 | 16:40 | 17:00 | Water-Based Microwave Absorber | B4 | CS67 | Water-Based Microwave Devices | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Brennan, Conor | 19 Mar 2020 | 08:50 | 09:10 | A Dynamic Visibility Algorithm for Ray Tracing in Outdoor Environments with Moving Transmitters and Scatterers | B1 | T02-P02 | Millimetre wave propagation modelling | T02 Millimetre wave 5G / Regular Session / Propagation |
| Brennan, Joseph | 18 Mar 2020 | 13:20 | 13:20 | Application of non-PEC Walled Mode-Matching Techniques to a Prototype SAFARI M-band Multi-Mode Receiver | Exhibition Hall | Poster2-E03 | Poster Session 2: Computational and numerical techniques | Electromagnetics |
| Brennan, Paul | 19 Mar 2020 | 13:20 | 13:20 | Spherical Harmonic Theory Investigations for Spherical Antenna Arrays | Exhibition Hall | Poster3-A06 | Poster Session 3: Conformal antennas | Antennas |
| Bresing, Andreas | 19 Mar 2020 | 10:40 | 11:00 | EM-Thermal Co-Simulation of Microwave Ablation Applicator in Liver Tissue Phantom with Bowtie-Slot Surface Antenna | B7 | T11-P10 | Propagation in biological tissues | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Breva, Yannick | 19 Mar 2020 | 13:20 | 13:20 | Robot-based Calibration of Multi-GNSS Receiver Antennas Using Real Satellite Signals | Exhibition Hall | Poster3-M10 | Poster Session 3: General antenna measurements | Measurements |
| Bria, Aurelian | 19 Mar 2020 | 11:20 | 11:40 | 5G Over-the-Air Conformance Testing | A3 | CS34 | IET/AMTA Session: Test and Measurement Challenges for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Measurements |
| Briso, Cesar | 17 Mar 2020 | 09:50 | 10:10 | Hybrid Channel Modeling for Intra-Wagon Communication in Millimeter-Wave Band | A3 | CS35 | IET/IRACON Session: Propagation Measurements and Modelling for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Briso, Cesar | 17 Mar 2020 | 10:40 | 11:00 | Experimental Characterization of the Underframe Area of a Passenger Train with an UWB Channel Sounder: Preliminary Results | A3 | CS35 | IET/IRACON Session: Propagation Measurements and Modelling for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Brister, Jacky | 16 Mar 2020 | 16:40 | 17:00 | Applications of Mixed Powder Dielectrics in Prototype 2.45GHz Pendant Antenna Design and Manufacture | B6 | T05-A12/1 | Wearable and implantable antennas | T05 Biomedical and health / Regular Session / Antennas |
| Brister, John | 16 Mar 2020 | 16:40 | 17:00 | Applications of Mixed Powder Dielectrics in Prototype 2.45GHz Pendant Antenna Design and Manufacture | B6 | T05-A12/1 | Wearable and implantable antennas | T05 Biomedical and health / Regular Session / Antennas |
| Brizi, Danilo | 17 Mar 2020 | 13:20 | 13:20 | Design of Distributed Spiral Resonators for the Decoupling of MRI Array Coils | A2 (Poster Area) | Convened Poster 1-CS27 | Electromagnetics in MRI Applications | T05 Biomedical and health / Convened Session / Electromagnetics |
| Brochloss-Gerner, Ramona | 18 Mar 2020 | 11:40 | 12:00 | 3D Calibration of an Over-the-Air Testbed for GNSS CRPA Antenna Testing | A3 | CS06 | AMTA/IRACON Session: Over-The-Air Testing of 5G Radios | T02 Millimetre wave 5G / Convened Session / Measurements |
| Bronckers, L. A. (Sander) | 18 Mar 2020 | 13:20 | 13:20 | 5G Millimeter-Wave NLOS Coverage Using Specular Building Reflections | Exhibition Hall | Poster2-P05 | Poster Session 2: Mm-wave and UWB propagation | Propagation |
| Brown, Anthony Keith | 17 Mar 2020 | 17:20 | 17:40 | A Beamforming Approach to the Self-Calibration of Phased Arrays | B8 | CS15 | Antennas for Radio Astronomy | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Brown, Elliott R | 18 Mar 2020 | 09:30 | 09:50 | Effect of Metal Resistive Losses on the Gain of a THz Planar Spiral Antenna | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Brown, Jacob A | 19 Mar 2020 | 13:20 | 13:20 | Mechanically Tunable MTM-EBG-based Bandstop Filter | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Brown, Trevor | 16 Mar 2020 | 16:40 | 17:00 | Enforcing Local Power Conservation for Metasurface Design Using Electromagnetic Inversion | B11 | T11-E08 | Metamaterials, metasurfaces and advanced materials | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Brumm, Jan-Christoph | 18 Mar 2020 | 13:20 | 13:20 | Verification of a Simplified Channel Modeling Technique for Ultra Wideband In-Body Communication with Simulations | Exhibition Hall | Poster2-P10 | Poster Session 2: Propagation in biological tissues and body-area propagation | Propagation |
| Bruni, Simona | 17 Mar 2020 | 13:20 | 13:20 | H-band Quartz-Cavity Leaky-Wave Lens Feeder with Novel Chip Interconnect | Exhibition Hall | Poster1-A09 | Poster Session 1: Lens antennas | Antennas |
| Bruni, Simona | 17 Mar 2020 | 13:20 | 13:20 | Compact and Modular Ka-Band Front-end Concept for SATCOM and 5G | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Bruni, Simona | 18 Mar 2020 | 13:20 | 13:20 | On the Use of Dielectric Gratings for Enlarging the Field of View in Low Dielectric Permittivity Lenses | A2 (Poster Area) | Convened Poster 2-CS36 | Innovative Lens Antennas for Future Communication Systems | T02 Millimetre wave 5G / Convened Session / Antennas |
| Bruni, Simona | 19 Mar 2020 | 13:20 | 13:20 | Reduced Size RFID Reader Antenna Based on Reconfigurable Feeding Network Realized with Artificial Transmission Lines | Exhibition Hall | Poster3-A15 | Poster Session 3: RFID antennas/sensors and systems | Antennas |
| Bruni, Simona | 20 Mar 2020 | 10:40 | 11:00 | Experimental Characterization of a Wideband G-Band Circularly Polarized Lens Antenna | B2 | T02-M08 | Mm-wave, THz, and quasi-optical antenna measurements | T02 Millimetre wave 5G / Regular Session / Measurements |
| Bryant, Rod | 16 Mar 2020 | 14:10 | 14:30 | Adaptive GNSS Antenna Matching for Low-Cost Applications | B5 | T08-A17 | Antennas and techniques for positioning and direction finding | T08 Positioning, localization & tracking / Regular Session / Antennas |
| Bucci, Ovidio Mario | 17 Mar 2020 | 09:10 | 09:30 | Electromagnetism Before Maxwell: From Ørsted to Weber | B11 | BC/1 | History of Electromagnetism 1 | T13 Bicentennial Session / Electromagnetics |
| Bucheli Garcia, Juan | 20 Mar 2020 | 12:00 | 12:20 | Smart Dipole Arrays for Radio Channel Enhancement | B11 | CS20 | Assessment and Modeling of Antennas and Radio Channels Jointly | T10 EM modelling and simulation tools / Convened Session / Antennas |

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| Buckley, John Laurence | 19 Mar 2020 | 13:20 | 13:20 | A 915 MHz Wristwatch-Integrated Antenna for Wireless Health Monitoring | Exhibition Hall | Poster3-A12 | Poster Session 3: Wearable and implantable antennas | Antennas |
| Budhu, Jordan | 20 Mar 2020 | 09:50 | 10:10 | Design of Multilayer, Dualband Metasurface Reflectarrays | B8 | CS59 | Reconfigurable Reflectarray and Transmitarrays | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Buiantuev, Bair | 18 Mar 2020 | 13:20 | 13:20 | A Novel Design Methodology for Non-Foster Elements with Application in Broadband Self-oscillating Antennas | Exhibition Hall | Poster2-A08 | Poster Session 2: Electrically small antennas | Antennas |
| Buisán, Samuel | 17 Mar 2020 | 13:20 | 13:20 | Analysis of Snow Water Equivalent (SWE) of Snowpack by an Ultra Wide Band Step Frequency Continuous Wave Radar (SFCW) | A2 (Poster Area) | Convened Poster 1-CS08 | Analysis, Design and Use of Microwave Techniques, Models, Systems, and Antennas for Snowpack Avalanches Monitoring | T08 Positioning, localization & tracking / Convened Session / Propagation |
| Buisman, Koen | 19 Mar 2020 | 10:40 | 11:00 | Over-the-air Investigation of Transmitter and Receiver Nonlinear Distortion Using a Mm-Wave MIMO Testbed | A3 | CS34 | IET/AMTA Session: Test and Measurement Challenges for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Measurements |
| Buisman, Koen | 20 Mar 2020 | 08:30 | 08:50 | Integrated Doherty Power Amplifier - Antenna Element with Active Impedance Modulation: Efficiency vs. Bandwidth Trade-Offs | A2 | T01-A22 | MIMO, diversity, smart antennas & signal processing | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Bulus, Umut | 18 Mar 2020 | 13:20 | 13:20 | Simulations and Measurements of Brick-Like Axial-Mode Helix Antenna Using CAD Tools | Exhibition Hall | Poster2-E03 | Poster Session 2: Computational and numerical techniques | Electromagnetics |
| Bunlon, Xavier | 18 Mar 2020 | 11:20 | 11:40 | Harness Connection and Immediate Environment Impact on RF Automotive Receivers Antenna BW | B7 | T06-A17 | Automotive antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Bunn, Emory | 18 Mar 2020 | 11:00 | 11:20 | The Optical Combiner of QUBIC: The Q & U Bolometric Interferometer for Cosmology | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Burghignoli, Paolo | 16 Mar 2020 | 14:10 | 14:30 | Near-field Focusing Through Higher-order Cylindrical Leaky Waves | B2 | CS21 | Challenges in Leaky Wave Antennas and Novel Approaches to Solve Them | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Burghignoli, Paolo | 16 Mar 2020 | 16:20 | 16:40 | Higher-Order Cylindrical Leaky Waves in Planar Structures | B1 | SW04 | COST Session CA18223 (SyMat): Periodic Structures with Higher Symmetries | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Burghignoli, Paolo | 19 Mar 2020 | 08:50 | 09:10 | Open-Stopband Suppression in a Canonical 1-D Periodic 2-D Structure with Asymmetric Unit Cell | B2 | CS46 | New Trends in Leaky Wave Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Burke, David | 18 Mar 2020 | 11:00 | 11:20 | The Optical Combiner of QUBIC: The Q & U Bolometric Interferometer for Cosmology | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Burokur, Shah Nawaz | 16 Mar 2020 | 13:50 | 14:10 | Reconfigurable Sparse Metasurface: Beamforming Beyond Phase Gradient Heuristics | B11 | T11-E08 | Metamaterials, metasurfaces and advanced materials | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Burokur, Shah Nawaz | 19 Mar 2020 | 13:20 | 13:20 | Flat Meta-Reflector for Broadband Circularly Polarized Parabolic Antenna | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Burokur, Shah Nawaz | 19 Mar 2020 | 13:20 | 13:20 | Phase-Gradient Metasurfaces for Efficient Conversion of Surface Wave to Propagating Wave | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Byeon, Chul Woo | 17 Mar 2020 | 13:20 | 13:20 | Effect of a Clutter Behind Building on a Building Entry Loss (BEL) over a nLoS Path | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Byrne, Benedikt | 18 Mar 2020 | 13:20 | 13:20 | 3D Printed Ceramic Antennas for Space Applications | A2 (Poster Area) | Convened Poster 2-CS14 | Antennas for Harsh Environment | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Byskov, Claus | 17 Mar 2020 | 13:20 | 13:20 | Wind Turbine Blade Deflection Sensing Using Blade-Mounted Ultrawideband Antennas | A2 (Poster Area) | Convened Poster 1-CS57 | Recent Research on Wind Turbines: EM Modelling and Measurements | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Cabedo-Fabrés, Marta | 18 Mar 2020 | 13:20 | 13:20 | Effect of the Ground Plane in UHF Chip Antenna Efficiency | Exhibition Hall | Poster2-A08 | Poster Session 2: Electrically small antennas | Antennas |
| Cabrera-Hernández, Edith Annette | 16 Mar 2020 | 16:40 | 17:00 | Multichannel Dynamic Directional Modulation with Software Defined Radio | B4 | T07-A17 | Multiband, wideband and array antennas | T07 Defence and security / Regular Session / Antennas |
| Cadman, Darren | 16 Mar 2020 | 14:50 | 15:10 | Cold Sintered CaTiO ₃ -K ₂ MoO ₄ Microwave Dielectric Ceramics for Integrated Microstrip Patch Antennas | B11 | T11-E08 | Metamaterials, metasurfaces and advanced materials | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Cadman, Darren | 16 Mar 2020 | 15:10 | 15:30 | Fabrication of Artificial Dielectrics via Stereolithography Based 3D-Printing | B11 | T11-E08 | Metamaterials, metasurfaces and advanced materials | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Cahill, Robert | 19 Mar 2020 | 13:20 | 13:20 | Low Profile Absorber Backed Extremely Wideband Antennas | Exhibition Hall | Poster3-A16 | Poster Session 3: UWB antennas and time-domain techniques | Antennas |
| Cai, Xuesong | 19 Mar 2020 | 08:30 | 08:50 | A USRP-based Channel Sounder for UAV Communications | B7 | T06-P09 | Propagation for Unmanned Aerial Vehicles (UAVs) | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Propagation |
| Cai, Yuan-Ming | 16 Mar 2020 | 15:10 | 15:30 | A Broadband Circularly Polarized Antenna with Triple-Mode Characteristics | B5 | T08-A17 | Antennas and techniques for positioning and direction finding | T08 Positioning, localization & tracking / Regular Session / Antennas |
| Cailhol, Cyril | 18 Mar 2020 | 13:20 | 13:20 | Design of a Tunable Subwavelength Plasma-Based Resonator for Electrically Small Antenna Applications in L-band | A2 (Poster Area) | Convened Poster 2-CS29 | Exotic Antennas from Nano to Macro Scales | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Caire, Giuseppe | 16 Mar 2020 | 14:10 | 14:30 | Large Scale Fading Characteristics for Vehicle-to-Cyclist Channel in Urban Environment at 5 GHz | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Caizzone, Stefano | 19 Mar 2020 | 17:20 | 17:40 | 3D Printed All-GNSS Bands Miniaturized Antenna and Array for Robust Satellite Navigation | B5 | CS31 | GNSS Antennas and Systems for Challenged RF Environment | T08 Positioning, localization & tracking / Convened Session / Antennas |
| Caizzone, Stefano | 20 Mar 2020 | 10:40 | 11:00 | Dual Band GNSS Antenna with High Back Lobe Suppression | B7 | T06-A11 | Aircraft antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Calatayud Maeso, Jorge | 17 Mar 2020 | 13:20 | 13:20 | Circularly and Linearly Polarized Planar Reconfigurable Active Array Antennas in Ka Band | A2 (Poster Area) | Convened Poster 1-CS10 | Antenna Array and Integrated Systems for 5G Communication Applications | T02 Millimetre wave 5G / Convened Session / Antennas |

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| Calcaterra, Alessandro | 19 Mar 2020 | 13:20 | 13:20 | Self-Sustained Biconical Antenna Realized in Additive Manufacturing Technology | Exhibition Hall | Poster3-A21 | Poster Session 3: Additive manufacturing | Antennas |
| Caldeirinha, Rafael F. S. | 17 Mar 2020 | 13:20 | 13:20 | Analysis of Radiowave Propagation in Forest Media Using the Parabolic Equation | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Caldeirinha, Rafael F. S. | 20 Mar 2020 | 09:50 | 10:10 | A Practical Deconvolution Antenna Method to Retrieve Scattering Profile in Complex Random Media - A Vegetation Case Study at 28 GHz | B11 | CS20 | Assessment and Modeling of Antennas and Radio Channels Jointly | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Caldeirinha, Rafael F. S. | 20 Mar 2020 | 09:30 | 09:50 | Radiowave Propagation Modelling in the Presence of Wildfires: Initial Results | B9 | T10-P02 | Propagation modelling and simulation | T10 EM modelling and simulation tools / Regular Session / Propagation |
| Callegari, Thierry | 18 Mar 2020 | 13:20 | 13:20 | Design of a Tunable Subwavelength Plasma-Based Resonator for Electrically Small Antenna Applications in L-band | A2 (Poster Area) | Convened Poster 2-CS29 | Exotic Antennas from Nano to Macro Scales | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Caloz, Christophe | 16 Mar 2020 | 16:40 | 17:00 | Enforcing Local Power Conservation for Metasurface Design Using Electromagnetic Inversion | B11 | T11-E08 | Metamaterials, metasurfaces and advanced materials | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Caloz, Christophe | 17 Mar 2020 | 09:30 | 09:50 | IE-GSTC Analysis of Metasurface Cavities and Application to Redirection Cloaking | B9 | CS09 | Analytical and Numerical Methods for Metasurface Analysis and Design | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Caloz, Christophe | 18 Mar 2020 | 11:20 | 11:40 | 'Perfect' Faraday-Rotation Metasurface | B5 | CS47 | Non-Magnetic Nonreciprocity | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Caloz, Christophe | 19 Mar 2020 | 11:40 | 12:00 | Cascaded-Metasurface Non-Integer Cylindrical Bessel Beam (NIC-BB) Generator | B4 | CS44 | Near-Field Focusing and Pulse Generation Through Localized Waves | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Caloz, Christophe | 19 Mar 2020 | 08:30 | 08:50 | Broadside Radiation Equalization Through Mode Coupling Balancing in Periodic Leaky-Wave Antennas | B2 | CS46 | New Trends in Leaky Wave Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Calvo Ramírez, César | 17 Mar 2020 | 10:40 | 11:00 | Experimental Characterization of the Underframe Area of a Passenger Train with an UWB Channel Sounder: Preliminary Results | A3 | CS35 | IET/IRACON Session: Propagation Measurements and Modelling for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Camacho, Miguel | 19 Mar 2020 | 12:00 | 12:20 | Fast and Accurate Analysis of Multilayered Periodic Structures Used in the Design of Reflectarray and Metasurface Antennas | B8 | CS30 | Fundamental Challenges and Novel Methodologies in the Next-Generation Computational Electromagnetics | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Caminita, Francesco | 17 Mar 2020 | 11:40 | 12:00 | Robust Homogenized Impedance Model for Periodically Modulated Metasurfaces | B9 | CS09 | Analytical and Numerical Methods for Metasurface Analysis and Design | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Caminita, Francesco | 17 Mar 2020 | 17:20 | 17:40 | Reconfigurable Metasurface Antenna for 5G Base Stations | B5 | CS28 | EuMA/EurAAP Session: From Radiating Section to Digital Interface - Research and Design Trends for an End-To-End Approach of Highly Integrated Active Antenna Systems | T02 Millimetre wave 5G / Convened Session / Antennas |
| Caminita, Francesco | 17 Mar 2020 | 18:00 | 18:20 | Liquid Crystal-based Reconfigurable Metasurface for Beam Scanning at Millimeter Wave Frequencies | A3 | CS56 | Recent Advances on Electronically Steerable Antenna Arrays at mm-Wave Frequencies | T02 Millimetre wave 5G / Convened Session / Antennas |
| Caminita, Francesco | 18 Mar 2020 | 13:20 | 13:20 | Recent Advances on Modulated Metasurface Antennas for SatCom | A2 (Poster Area) | Convened Poster 2-CS41 | Metasurfaces for Mobile (5G and Beyond) and Satellite Communication Systems | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Caminita, Francesco | 18 Mar 2020 | 13:20 | 13:20 | Analytical Study of Dielectric-wall Conical Horn Antennas | A2 (Poster Area) | Convened Poster 2-CS50 | Novel Wave Phenomena in Metamaterials and Metasurfaces Applied to Antennas and Propagation | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Caminita, Francesco | 20 Mar 2020 | 09:10 | 09:30 | Gaussian Horn Implemented by Metasurfaces | B1 | CS33 | IET Session: New Antenna Systems Involving Application of Metamaterials and Metasurfaces | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Canestri, Christian | 19 Mar 2020 | 13:20 | 13:20 | Self-Sustained Biconical Antenna Realized in Additive Manufacturing Technology | Exhibition Hall | Poster3-A21 | Poster Session 3: Additive manufacturing | Antennas |
| Cao, Li | 18 Mar 2020 | 08:50 | 09:10 | Mid-field OTA RF Test Method: New Developments and Performance Comparison with the Compact Antenna Test Range (CATR) | A3 | CS06 | AMTA/IRACON Session: Over-The-Air Testing of 5G Radios | T02 Millimetre wave 5G / Convened Session / Measurements |
| Cao, Pengfei | 17 Mar 2020 | 08:30 | 08:50 | Reconfigurable Terahertz Reflectarray Based on Graphene Radiating Patches | B1 | CS38 | ISAP Session: Recent Advances in Asian Antennas and Propagation Research | T02 Millimetre wave 5G / Convened Session / Antennas |
| Capdevila, Santiago | 17 Mar 2020 | 09:30 | 09:50 | Additive Manufacturing: Enabling Technology for Active Antennas in LEO and GEO Satellites | B5 | CS01 | Active Antennas for Onboard Space Applications | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Capece, Pasquale | 17 Mar 2020 | 10:40 | 11:00 | Active Antennas for Earth Observation Missions in Thales Alenia Space Italia | B5 | CS01 | Active Antennas for Onboard Space Applications | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Capek, Miloslav | 17 Mar 2020 | 09:30 | 09:50 | Implementation and Use of Physical Bounds for Antenna Optimization | B2 | CS16 | Antennas in IoT Wireless Devices: Modelling and Industrial Considerations | T04 IoT and M2M / Convened Session / Antennas |
| Capek, Miloslav | 18 Mar 2020 | 13:20 | 13:20 | Feeding Positions Providing the Lowest TARC of Uncorrelated Channels | Exhibition Hall | Poster2-E03 | Poster Session 2: Computational and numerical techniques | Electromagnetics |
| Capek, Miloslav | 18 Mar 2020 | 13:20 | 13:20 | Hybrid MoM/T-Matrix Method for Analysis of Interaction Between Objects | Exhibition Hall | Poster2-E03 | Poster Session 2: Computational and numerical techniques | Electromagnetics |
| Capek, Miloslav | 20 Mar 2020 | 08:30 | 08:50 | Physical Bounds on Antennas with Feed Constraints | B10 | CS11 | Antenna Design and Fundamental Bounds with External Constraints | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Capek, Miloslav | 20 Mar 2020 | 09:50 | 10:10 | Fundamental Bounds for Volumetric Structures and Their Feasibility | B10 | CS11 | Antenna Design and Fundamental Bounds with External Constraints | T11 Fundamental research and emerging technologies / Convened Session / Antennas |

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| Capek, Miloslav | 20 Mar 2020 | 11:40 | 12:00 | Q-factor Bounds for MIMO Antennas | B10 | CS11 | Antenna Design and Fundamental Bounds with External Constraints | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Capet, Nicolas | 18 Mar 2020 | 13:20 | 13:20 | 3D Printed Ceramic Antennas for Space Applications | A2 (Poster Area) | Convened Poster 2-CS14 | Antennas for Harsh Environment | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Capobianco, Antonio-D. | 17 Mar 2020 | 13:20 | 13:20 | Modeling of a Realistic Hybrid Metal-Plasma Transmit-array with Beam-scanning Capabilities | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Capolino, Filippo | 16 Mar 2020 | 17:20 | 17:40 | Exceptional Points of Degeneracy in Electromagnetic Waveguides and the Role of Symmetries | B1 | SW04 | COST Session CA18223 (SyMat): Periodic Structures with Higher Symmetries | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Capolino, Filippo | 16 Mar 2020 | 14:10 | 14:30 | Degenerate Band Edge Resonances in Air-filled Substrate Integrated Waveguide | B11 | T11-E08 | Metamaterials, metasurfaces and advanced materials | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Capolino, Filippo | 19 Mar 2020 | 11:20 | 11:40 | Leaky-Wave Analysis of an Ultrathin Planar High Impedance Surface Antenna | B2 | CS46 | New Trends in Leaky Wave Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Capolino, Filippo | 19 Mar 2020 | 16:40 | 17:00 | Review of Recent Advances in the Leaky-Wave Analysis of 2-D Leaky-Wave Antennas | B2 | T02-A10 | Leaky-wave and Traveling-wave Antennas | T02 Millimetre wave 5G / Regular Session / Antennas |
| Capozzoli, Amedeo | 19 Mar 2020 | 08:50 | 09:10 | Fast Single-Cut Antenna Characterization by near Field Measurements | B10 | CS07 | AMTA/EurAAP Session: Post Processing Techniques in Antenna Measurements | T11 Fundamental research and emerging technologies / Convened Session / Measurements |
| Cappellin, Cecilia | 18 Mar 2020 | 13:20 | 13:20 | Antennas on CubeSat Platforms: Accurate RF Predictions | Exhibition Hall | Poster2-A02 | Poster Session 2: Antenna interactions and coupling | Antennas |
| Caratelli, Diego | 20 Mar 2020 | 12:00 | 12:20 | High-Gain Flat-Top Antenna Sub-Arrays for Planar Arrays with Limited Field of View | A2 | T01-A22 | MIMO, diversity, smart antennas & signal processing | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Carluccio, Giorgio | 16 Mar 2020 | 15:10 | 15:30 | Design of a Wide-Scan Lens Based Focal Plane Array for Sub-millimeter Imaging Systems Using Coherent Fourier Optics | B4 | T07-A | Antenna theory and system design | T07 Defence and security / Regular Session / Antennas |
| Carluccio, Giorgio | 16 Mar 2020 | 14:10 | 14:30 | Analysis of Wide Band Wide-Scanning Quasi-Optical Systems Based on Fourier Optics | B8 | T09-A09 | Millimetre wave lens antennas for space applications | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Carluccio, Giorgio | 18 Mar 2020 | 13:20 | 13:20 | On the Use of Dielectric Gratings for Enlarging the Field of View in Low Dielectric Permittivity Lenses | A2 (Poster Area) | Convened Poster 2-CS36 | Innovative Lens Antennas for Future Communication Systems | T02 Millimetre wave 5G / Convened Session / Antennas |
| Carluccio, Giorgio | 20 Mar 2020 | 10:40 | 11:00 | Experimental Characterization of a Wideband G-Band Circularly Polarized Lens Antenna | B2 | T02-M08 | Mm-wave, THz, and quasi-optical antenna measurements | T02 Millimetre wave 5G / Regular Session / Measurements |
| Carobbi, Carlo | 19 Mar 2020 | 17:40 | 18:00 | Site Validation Based on the Use of Broadband Calculable Antennas and Numerical Simulations | B10 | CS48 | Novel Antenna Measurement Data Analysis and Techniques | T11 Fundamental research and emerging technologies / Convened Session / Measurements |
| Carpintero, Guillermo | 16 Mar 2020 | 17:00 | 17:20 | A Photonic Beam-Steerable Mm-wave Antenna Array for Radio over Fiber Applications | A2 | T02-A04/1 | Millimetre wave arrays for mobile communications | T02 Millimetre wave 5G / Regular Session / Antennas |
| Carrasco, Eduardo | 17 Mar 2020 | 13:20 | 13:20 | Tunable Dichroic Cell for Multi-band Reflector Antenna System | Exhibition Hall | Poster1-A18 | Poster Session 1: Reflector, feed systems, and components | Antennas |
| Carrasco, Eduardo | 20 Mar 2020 | 10:40 | 11:00 | Time Modulated Reflectarray Unit-Cells with Nonreciprocal Polarization Control | B8 | CS59 | Reconfigurable Reflectarray and Transmitarrays | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Carter, Nick | 17 Mar 2020 | 13:20 | 13:20 | Waveguide Switch Based on Ferrite Circulator for Antenna Beam Steering Applications | Exhibition Hall | Poster1-A09 | Poster Session 1: Lens antennas | Antennas |
| Carvalho, Nuno Borges | 16 Mar 2020 | 16:40 | 17:00 | 3D Antenna Array for SWIPT Sensing with WPT Capabilities | B9 | CS43 | Near- and Far-Field Wireless Power Transfer | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Casaletti, Massimiliano | 16 Mar 2020 | 14:10 | 14:30 | Degenerate Band Edge Resonances in Air-filled Substrate Integrated Waveguide | B11 | T11-E08 | Metamaterials, metasurfaces and advanced materials | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Casali, Claudia | 19 Mar 2020 | 13:20 | 13:20 | SSEEM - An Innovative Spread Spectrum System for SatCom Antenna Radiation Patterns Measurements | Exhibition Hall | Poster3-M10 | Poster Session 3: General antenna measurements | Measurements |
| Castanet, Laurent | 17 Mar 2020 | 11:40 | 12:00 | Potentialities of the Numerical Weather Prediction Model WRF to Produce Attenuation Statistics in Tropical Regions | B8 | T09-P08 | Satellite propagation | T09 Space (incl. cubesat) / Regular Session / Propagation |
| Castanet, Laurent | 17 Mar 2020 | 13:20 | 13:20 | Nine Years of Excess Attenuation Statistics of Earth-Space Propagation Experiments at Ka-Band in Toulouse, France | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Castela, Tiago | 18 Mar 2020 | 11:00 | 11:20 | Extracting Dielectric Properties for MRI-based Phantoms for Axillary Microwave Imaging Device | B6 | SW03 | COST Session CA17115 (MyWAVE): Supporting Medical Device Development via Dielectric and Thermal Tissue Characterization | T05 Biomedical and health / Convened Session / Measurements |
| Castillo, Santiago | 17 Mar 2020 | 13:20 | 13:20 | Waveguide Switch Based on Ferrite Circulator for Antenna Beam Steering Applications | Exhibition Hall | Poster1-A09 | Poster Session 1: Lens antennas | Antennas |
| Castro, Nelson Mario | 18 Mar 2020 | 13:20 | 13:20 | 3D-printed Wideband Hyperbolic Lens Antenna for Ka-band | A2 (Poster Area) | Convened Poster 2-CS36 | Innovative Lens Antennas for Future Communication Systems | T02 Millimetre wave 5G / Convened Session / Antennas |
| Casu, Mario Roberto | 17 Mar 2020 | 11:20 | 11:40 | Portable 3-D Microwave Imaging System for Cerebrovascular Diseases Monitoring | B7 | SW02 | COST Session CA17115 (MyWAVE): Developments in Electromagnetic-Based Medical Technologies | T05 Biomedical and Health / Convened Session / Electromagnetics |
| Casu, Sergio | 18 Mar 2020 | 13:20 | 13:20 | Application of MRI, fMRI and Cognitive Data for Alzheimer's Disease Detection | Exhibition Hall | Poster2-E05 | Poster Session 2: Imaging and inverse scattering | Electromagnetics |
| Catalani, Alfredo | 19 Mar 2020 | 13:20 | 13:20 | A Conformal Spherical DRA for MEO Applications in Ka-band Realized with Additive Manufacturing | Exhibition Hall | Poster3-A21 | Poster Session 3: Additive manufacturing | Antennas |
| Catapano, Ilaria | 19 Mar 2020 | 09:10 | 09:30 | Micro-UAV Radar Imaging via DGPS and Microwave Tomography | B7 | T06-P09 | Propagation for Unmanned Aerial Vehicles (UAVs) | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Propagation |

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| Catteau, Sara | 19 Mar 2020 | 11:40 | 12:00 | Design and Simulation of a 28 GHz Plane Wave Generator for NR Measurements | A3 | CS34 | IET/AMTA Session: Test and Measurement Challenges for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Measurements |
| Caudill, Derek | 17 Mar 2020 | 09:30 | 09:50 | Penetration Loss at 60 GHz for Indoor-to-Indoor and Outdoor-to-Indoor Mobile Scenarios | A3 | CS35 | IET/IRACON Session: Propagation Measurements and Modelling for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Cavagnaro, Marta | 17 Mar 2020 | 09:50 | 10:10 | Monitoring Microwave Thermal Ablation Using Electrical Impedance Tomography: An Experimental Feasibility Study | B7 | SW02 | COST Session CA17115 (MyWAVE): Developments in Electromagnetic-Based Medical Technologies | T05 Biomedical and Health / Convened Session / Electromagnetics |
| Cavagnaro, Marta | 17 Mar 2020 | 10:40 | 11:00 | Effects of Choke in Minimally-Invasive Small-Profile Microwave Ablation Applicators | B7 | SW02 | COST Session CA17115 (MyWAVE): Developments in Electromagnetic-Based Medical Technologies | T05 Biomedical and Health / Convened Session / Electromagnetics |
| Cavagnaro, Marta | 18 Mar 2020 | 08:50 | 09:10 | Investigation on Temperature-Dependent Changes of Tissue Thermal Properties on Microwave Ablation Treatments | B6 | SW03 | COST Session CA17115 (MyWAVE): Supporting Medical Device Development via Dielectric and Thermal Tissue Characterization | T05 Biomedical and health / Convened Session / Measurements |
| Cavagnaro, Marta | 20 Mar 2020 | 11:00 | 11:20 | Initial Guidelines to the Design of a Microwave Imaging System for Ablation Monitoring | B6 | SW06 | H2020 Session ID764479 (EMERALD): Electromagnetic Imaging for a Novel Generation of Medical Devices | T05 Biomedical and health / Convened Session / Electromagnetics |
| Cavallo, Daniele | 17 Mar 2020 | 13:20 | 13:20 | Efficient Waveguide Power Combiners at mm-Wave Frequencies | A2 (Poster Area) | Convened Poster 1-CS17 | Antennas with Multi-Port/Distributed Feeding and On-Antenna Power-Combining for Efficient Integration and Reconfigurability | T02 Millimetre wave 5G / Convened Session / Antennas |
| Cavallo, Daniele | 17 Mar 2020 | 13:20 | 13:20 | Broadband Beam-Steering with Focused Connected Arrays in Quasi-Optical Systems | Exhibition Hall | Poster1-A18 | Poster Session 1:Reflector, feed systems, and components | Antennas |
| Cavallo, Daniele | 17 Mar 2020 | 16:40 | 17:00 | Design of Wideband Wide-Scanning Dual-Polarized Phased Array Covering Simultaneously Both the Ku- And the Ka-Satcom Bands | A3 | CS56 | Recent Advances on Electronically Steerable Antenna Arrays at mm-Wave Frequencies | T02 Millimetre wave 5G / Convened Session / Antennas |
| Cavallo, Daniele | 20 Mar 2020 | 11:00 | 11:20 | Efficiency Analysis in Multibeam Wideband Phased Arrays | A2 | T01-A22 | MIMO, diversity, smart antennas & signal processing | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Cavallo, Daniele | 20 Mar 2020 | 11:00 | 11:20 | Skewed Dipole Linear Array for Angular Filtering | B7 | T06-A11 | Aircraft antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Cavallo, Daniele | 20 Mar 2020 | 11:00 | 11:20 | Experimental Validation of System NEP of a Single-Pixel THz Imaging Camera in CMOS | B2 | T02-M08 | Mm-wave, THz, and quasi-optical antenna measurements | T02 Millimetre wave 5G / Regular Session / Measurements |
| Cavillot, Jean | 17 Mar 2020 | 13:20 | 13:20 | Acceleration of Physical Optics Interactions Using Inhomogeneous Plane Waves | A2 (Poster Area) | Convened Poster 1-CS57 | Recent Research on Wind Turbines: EM Modelling and Measurements | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Çayören, Mehmet | 20 Mar 2020 | 11:40 | 12:00 | Monitoring Tumor Response During Chemotherapy Treatment with Microwave Imaging | B6 | SW06 | H2020 Session ID764479 (EMERALD): Electromagnetic Imaging for a Novel Generation of Medical Devices | T05 Biomedical and health / Convened Session / Electromagnetics |
| Ceccuzzi, Silvio | 17 Mar 2020 | 17:20 | 17:40 | Radiation Shaping by Using Lattice Modes in a Dual-feed Dielectric Structure | B9 | CS32 | High-Frequency Methods and Applications | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Celaya-Echarri, Mikel | 20 Mar 2020 | 08:30 | 08:50 | Deterministic Radio Channel Characterization for Near-Ground Wireless Sensor Networks Deployment Optimization in Smart Agriculture | B9 | T10-P02 | Propagation modelling and simulation | T10 EM modelling and simulation tools / Regular Session / Propagation |
| Celik, Mert | 18 Mar 2020 | 11:20 | 11:40 | Quiet Zone Verification of Plane Wave Synthesizer Using Polar Near-Field Scanner | A3 | CS06 | AMTA/IRACON Session: Over-The-Air Testing of 5G Radios | T02 Millimetre wave 5G / Convened Session / Measurements |
| Celona, Luigi | 17 Mar 2020 | 13:20 | 13:20 | Antenna Design for RF Ion Heating of Anisotropic Magnetized Plasma | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Cervený, Michal | 18 Mar 2020 | 13:20 | 13:20 | Study of Printed Scattering Reflectors Based on Discretised Metasurface | A2 (Poster Area) | Convened Poster 2-CS50 | Novel Wave Phenomena in Metamaterials and Metasurfaces Applied to Antennas and Propagation | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Céspedes Vicente, Oscar | 19 Mar 2020 | 11:40 | 12:00 | Cascaded-Metasurface Non-Integer Cylindrical Bessel Beam (NIC-BB) Generator | B4 | CS44 | Near-Field Focusing and Pulse Generation Through Localized Waves | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Chabory, Alexandre | 17 Mar 2020 | 13:20 | 13:20 | Validity Domain of the Oduaiya Expression for Computing the Conventional VQR Multipath Error | A2 (Poster Area) | Convened Poster 1-CS57 | Recent Research on Wind Turbines: EM Modelling and Measurements | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Chabory, Alexandre | 20 Mar 2020 | 08:30 | 08:50 | Including the Aircraft and the Antenna in a Wide Band Aeronautical LMS Channel Model | B11 | CS20 | Assessment and Modeling of Antennas and Radio Channels Jointly | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Chabory, Alexandre | 20 Mar 2020 | 10:40 | 11:00 | A Speed Up of Split-Step Wavelet for the Computation of Long Range Propagation | B9 | T10-P02 | Propagation modelling and simulation | T10 EM modelling and simulation tools / Regular Session / Propagation |
| Chahat, Nacer | 18 Mar 2020 | 08:30 | 08:50 | Towards a Si/GaAs Based Flat-Panel Quasi-Optical Metasurface Antenna with Switchable Beam Characteristics | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Challita, Frédéric | 20 Mar 2020 | 11:40 | 12:00 | Massive Radio Channel Sounder Architecture for 5G Mobility Scenarios: MaMIMOSA | B11 | CS20 | Assessment and Modeling of Antennas and Radio Channels Jointly | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Chaloun, Tobias | 20 Mar 2020 | 11:40 | 12:00 | A Wideband 122 GHz Cavity-Backed Dipole Antenna for Millimeter-Wave Radar Altimetry | B7 | T06-A11 | Aircraft antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Chamaani, Somayyeh | 19 Mar 2020 | 13:20 | 13:20 | Time-Domain Reflectometry for Measuring Scattering Parameters: Comparison of M-sequence Device and Step-generator TDR | Exhibition Hall | Poster3-A16 | Poster Session 3: UWB antennas and time-domain techniques | Antennas |

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|------------------------|-------------|-------|-------|---|------------------|------------------------|---|--|
| Chamani, Faraz | 17 Mar 2020 | 11:00 | 11:20 | Characterization of Esophageal Temperature Profiles During Cardiac Radiofrequency Ablation | B7 | SW02 | COST Session CA17115 (MyWAVE): Developments in Electromagnetic-Based Medical Technologies | T05 Biomedical and Health / Convened Session / Electromagnetics |
| Chan, Chi Hou | 19 Mar 2020 | 12:00 | 12:20 | 3-D Printed Terahertz Lens for Generation of Non-diffractive Bessel Beam Carrying OAM | B4 | CS44 | Near-Field Focusing and Pulse Generation Through Localized Waves | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Chan, Ka Fai | 19 Mar 2020 | 12:00 | 12:20 | 3-D Printed Terahertz Lens for Generation of Non-diffractive Bessel Beam Carrying OAM | B4 | CS44 | Near-Field Focusing and Pulse Generation Through Localized Waves | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Chang, Fuxing | 16 Mar 2020 | 16:20 | 16:40 | Bi-directional Vehicle-to-Vehicle Radio Channel Characteristics over Bridge at 5.9 GHz | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Chatterjee, Ayan | 16 Mar 2020 | 17:40 | 18:00 | A Low Profile Button Antenna with Back Radiation Reduced by FSS | B6 | T05-A12/1 | Wearable and implantable antennas | T05 Biomedical and health / Regular Session / Antennas |
| Chattopadhyay, Goutam | 18 Mar 2020 | 08:30 | 08:50 | Towards a Si/GaAs Based Flat-Panel Quasi-Optical Metasurface Antenna with Switchable Beam Characteristics | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Chattopadhyay, Goutam | 18 Mar 2020 | 09:10 | 09:30 | Antennas, Arrays, and Systems for Submillimeter-Wave Radio Astronomy | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Chazelas, Jean-Maurice | 16 Mar 2020 | 17:40 | 18:00 | High Speed Metasurface Reconfigurability Under Optical Control | B10 | CS24 | Controlling EM Waves with Low- and High-Dimensional Metamaterials | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Chazelas, Jean-Maurice | 19 Mar 2020 | 11:00 | 11:20 | Controlling Dual Polarization with Metasurface Leakage | B2 | CS46 | New Trends in Leaky Wave Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Cheadle, David | 19 Mar 2020 | 09:30 | 09:50 | An Assessment of the Radio Frequency Electromagnetic Field Exposure from A Massive MIMO 5G Testbed | A3 | CS34 | IET/AMTA Session: Test and Measurement Challenges for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Measurements |
| Cheffena, Michael | 20 Mar 2020 | 08:50 | 09:10 | Indoor Channel Estimation Using Single-Snapshot Wideband Measurement | B9 | T10-P02 | Propagation modelling and simulation | T10 EM modelling and simulation tools / Regular Session / Propagation |
| Chen, Chih-Hung | 19 Mar 2020 | 18:00 | 18:20 | UWB Planar Bias-switched Imaging Array for Breast-Cancer Screening | B6 | T05-A12/3 | Body area antennas and sensor systems | T05 Biomedical and health / Regular Session / Antennas |
| Chen, Hao | 19 Mar 2020 | 18:00 | 18:20 | A Compact Folded Air Patch Antenna with Low Cross-Polarization | B1 | T03-A11 | Antennas for WLAN Applications | T03 Wireless LANs / Regular Session / Antennas |
| Chen, Hsinju | 18 Mar 2020 | 11:20 | 11:40 | Brewster Angle and Vanishing Polarization of Wave Reflected by Conductor-Backed Water Slab | B4 | CS26 | Education in Electromagnetics, Antennas, and Microwaves | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Chen, Hsinju | 18 Mar 2020 | 13:20 | 13:20 | Polarization-Reconfigurable Patch Antenna-on-Package for Millimeter-Wave Operations with DC Bias Circuit Design | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Chen, Huakang | 16 Mar 2020 | 17:20 | 17:40 | Low-profile Millimeter-Wave Wideband Circularly Polarized Spiral Antenna Array | A2 | T02-A04/1 | Millimetre wave arrays for mobile communications | T02 Millimetre wave 5G / Regular Session / Antennas |
| Chen, Jiangcheng | 16 Mar 2020 | 16:20 | 16:40 | Dual-band Dual-polarized Antenna for mm-Wave 5G Base Station Antenna Array | A2 | T02-A04/1 | Millimetre wave arrays for mobile communications | T02 Millimetre wave 5G / Regular Session / Antennas |
| Chen, Jiangcheng | 18 Mar 2020 | 13:20 | 13:20 | A Multiple-Feed Connected Leaky Slot Antenna for In-Antenna Power Combining in 0.13Um SiGe BiCMOS Technology | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Chen, Juan | 20 Mar 2020 | 08:50 | 09:10 | Characterization of Stirrer Performance in Reverberation Chamber Using Characteristic Modes | B5 | T11-M05 | EMI/EMC/PIM chambers, instrumentation, and measurements | T11 Fundamental research and emerging technologies / Regular Session / Measurements |
| Chen, Juan | 20 Mar 2020 | 09:10 | 09:30 | Evaluation of the Purity of OAM Modes Using the Reverberation Chamber Technique | B5 | T11-M05 | EMI/EMC/PIM chambers, instrumentation, and measurements | T11 Fundamental research and emerging technologies / Regular Session / Measurements |
| Chen, Jue | 18 Mar 2020 | 09:10 | 09:30 | A Capacitively Coupled Patch Antenna Array for an Enlarged Bandwidth at 77 GHz | B7 | T06-A17 | Automotive antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Chen, Kejin | 17 Mar 2020 | 13:20 | 13:20 | Improving Physical Layer Security Technique Based on 4-D Antenna Arrays with Pre-Modulation | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Chen, Lei | 17 Mar 2020 | 13:20 | 13:20 | A Compact Double-Layer Groove Gap Waveguide Power Divider with High Isolation | A2 (Poster Area) | Convened Poster 1-CS19 | Applications of mm-Wave Gap Waveguide Technology-II | T02 Millimetre wave 5G / Convened Session / Antennas |
| Chen, Lei | 18 Mar 2020 | 13:20 | 13:20 | A Method of Reducing Mutual Coupling for a Finite Array | Exhibition Hall | Poster2-A02 | Poster Session 2: Antenna interactions and coupling | Antennas |
| Chen, Lei | 18 Mar 2020 | 13:20 | 13:20 | A Series-fed High-Gain Gap Waveguide Planar Array Antenna Fed by Quasi-TEM Wave | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Chen, Pai-Yen | 20 Mar 2020 | 09:30 | 09:50 | Directive Radiation from Metasurfaces with Generalized PT-Symmetry | B1 | CS33 | IET Session: New Antenna Systems Involving Application of Metamaterials and Metasurfaces | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Chen, Qiao | 16 Mar 2020 | 14:50 | 15:10 | Prism-based Leaky-Lens Antennas at 60 GHz for 5G Point-to-Point Communication Links | B2 | CS21 | Challenges in Leaky Wave Antennas and Novel Approaches to Solve Them | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Chen, Rui | 19 Mar 2020 | 13:20 | 13:20 | A UHF RFID Reader Antenna with Tunable Axial Ratio and Fixed Beamwidth | Exhibition Hall | Poster3-A15 | Poster Session 3: RFID antennas/sensors and systems | Antennas |
| Chen, Shengjian Jammy | 18 Mar 2020 | 13:20 | 13:20 | A Concept of Flexible Non-Metallic Dielectric Resonator Antenna for Conformal Applications | A2 (Poster Area) | Convened Poster 2-CS29 | Exotic Antennas from Nano to Macro Scales | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Chen, Shengjian Jammy | 19 Mar 2020 | 13:20 | 13:20 | A Concept of Pattern-Reconfigurable Single-Element Antenna Based on Half-Mode Substrate-Integrated Cavity | Exhibition Hall | Poster3-A13 | Poster Session 3: Adaptive and reconfigurable antennas | Antennas |
| Chen, Shengyao | 18 Mar 2020 | 13:20 | 13:20 | Super-Resolution DOA Estimation Using Dynamic Metasurface Antenna | Exhibition Hall | Poster2-P12 | Poster Session 2: Radar, localisation, and sensing | Propagation |

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|-----------------|-------------|-------|-------|---|------------------|------------------------|--|--|
| Chen, Shih-Yuan | 17 Mar 2020 | 10:40 | 11:00 | Modified Binomial Power Distribution Beamformer for Switched-Beam Circular Array | B1 | CS38 | ISAP Session: Recent Advances in Asian Antennas and Propagation Research | T02 Millimetre wave 5G / Convened Session / Antennas |
| Chen, Shih-Yuan | 18 Mar 2020 | 11:20 | 11:40 | Brewster Angle and Vanishing Polarization of Wave Reflected by Conductor-Backed Water Slab | B4 | CS26 | Education in Electromagnetics, Antennas, and Microwaves | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Chen, Shih-Yuan | 18 Mar 2020 | 13:20 | 13:20 | Polarization-Reconfigurable Patch Antenna-on-Package for Millimeter-Wave Operations with DC Bias Circuit Design | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Chen, Teyan | 19 Mar 2020 | 16:40 | 17:00 | Dual Polarized Dual Band Collocated Beam Switching Antennas for WLAN Applications | B1 | T03-A11 | Antennas for WLAN Applications | T03 Wireless LANs / Regular Session / Antennas |
| Chen, Wei | 16 Mar 2020 | 16:20 | 16:40 | Bi-directional Vehicle-to-Vehicle Radio Channel Characteristics over Bridge at 5.9 GHz | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Chen, Xiang | 19 Mar 2020 | 13:20 | 13:20 | Flangeless Waveguide Connection Based on Gap Waveguide Technology | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Chen, Xiang | 19 Mar 2020 | 13:20 | 13:20 | Novel Compact Waveguide Flange Adapter for Passive Intermodulation Measurement Systems | Exhibition Hall | Poster3-M11 | Poster Session 3: Other measurement topics | Measurements |
| Chen, Xiaochen | 16 Mar 2020 | 17:20 | 17:40 | Protective Coating Methods for Glove-Integrated RFID Tags - A Preliminary Study | B6 | T05-A12/1 | Wearable and implantable antennas | T05 Biomedical and health / Regular Session / Antennas |
| Chen, Xiaochen | 19 Mar 2020 | 17:20 | 17:40 | Passive RFID-based Textile Touchpad | B6 | T05-A12/3 | Body area antennas and sensor systems | T05 Biomedical and health / Regular Session / Antennas |
| Chen, Xiaodong | 16 Mar 2020 | 14:50 | 15:10 | Element Mutual Coupling Effect in a Wideband Planar Aperiodic Sparse Phased Array | B5 | T08-A17 | Antennas and techniques for positioning and direction finding | T08 Positioning, localization & tracking / Regular Session / Antennas |
| Chen, Xiaomin | 17 Mar 2020 | 13:20 | 13:20 | A Novel 3D Beam Training Strategy for mmWave UAV Communications | Exhibition Hall | Poster1-P03 | Poster Session 1: Channel sounding and parameter estimation techniques | Propagation |
| Chen, Xiaomin | 18 Mar 2020 | 13:20 | 13:20 | On the Second Order Statistics of 3D Non-Stationary UAV Channels Allowing Velocity Variations | Exhibition Hall | Poster2-P09 | Poster Session 2: Propagation for vehicular communications | Propagation |
| Chen, Xiaoming | 17 Mar 2020 | 16:40 | 17:00 | Electrically Small Antenna with Broadside and Monopole-Like Beam Reconfigurability | B1 | CS58 | Reconfigurable Antennas for Compact Devices | T04 IoT and M2M / Convened Session / Antennas |
| Chen, Xiaoming | 19 Mar 2020 | 13:20 | 13:20 | Measurement of OFDM Signals with PAPR Reduction in the Presence of Hardware Impairments | Exhibition Hall | Poster3-M09 | Poster Session 3: MIMO and OTA testing | Measurements |
| Chen, Xiaoming | 19 Mar 2020 | 13:20 | 13:20 | Impact of Probe Coupling on Emulation Accuracy in Massive MIMO OTA Testing | Exhibition Hall | Poster3-M09 | Poster Session 3: MIMO and OTA testing | Measurements |
| Chen, Xiaoming | 20 Mar 2020 | 08:50 | 09:10 | Characterization of Stirrer Performance in Reverberation Chamber Using Characteristic Modes | B5 | T11-M05 | EMI/EMC/PIM chambers, instrumentation, and measurements | T11 Fundamental research and emerging technologies / Regular Session / Measurements |
| Chen, Xiaoming | 20 Mar 2020 | 09:10 | 09:30 | Evaluation of the Purity of OAM Modes Using the Reverberation Chamber Technique | B5 | T11-M05 | EMI/EMC/PIM chambers, instrumentation, and measurements | T11 Fundamental research and emerging technologies / Regular Session / Measurements |
| Chen, Yen-Sheng | 19 Mar 2020 | 11:00 | 11:20 | Improvements of Multi-Antenna Specific Absorption Rate Using a Two-Stage Technique | A2 | T01-A02 | Terminal antennas and interactions with surroundings | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Chen, Yikai | 17 Mar 2020 | 13:20 | 13:20 | 2-D Wide-Scanning Flat Luneburg Lens Antenna for 5G Communication | Exhibition Hall | Poster1-A09 | Poster Session 1: Lens antennas | Antennas |
| Chen, Yikai | 17 Mar 2020 | 13:20 | 13:20 | An Irregular Tightly Coupled Dipole Array with Wide Scanning Angles | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Chen, Yikai | 17 Mar 2020 | 13:20 | 13:20 | Improving Physical Layer Security Technique Based on 4-D Antenna Arrays with Pre-Modulation | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Chen, Yikai | 18 Mar 2020 | 13:20 | 13:20 | Synthesis of Sparse Linear Arrays Including Directivity via a Hybrid L1 Minimization Algorithm | A2 (Poster Area) | Convened Poster 2-CS61 | Signal Processing Techniques for Advanced Electromagnetics Synthesis, Analysis, and Measurements | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Chen, Yikai | 20 Mar 2020 | 12:00 | 12:20 | Scattering Control of Wideband Phased Arrays Using Metamaterial Absorbers | B4 | T11-E06 | Scattering and diffraction | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Chen, Yingjie | 17 Mar 2020 | 16:40 | 17:00 | Electrically Small Antenna with Broadside and Monopole-Like Beam Reconfigurability | B1 | CS58 | Reconfigurable Antennas for Compact Devices | T04 IoT and M2M / Convened Session / Antennas |
| Chen, Yun | 17 Mar 2020 | 13:20 | 13:20 | Measured Millimeter-Wave Channels in Corridor Scenarios with Large-Scale Antenna Arrays | Exhibition Hall | Poster1-P03 | Poster Session 1: Channel sounding and parameter estimation techniques | Propagation |
| Chen, Zhe | 18 Mar 2020 | 13:20 | 13:20 | Wideband 8-Antenna Array with High Isolation for Sub-6 GHz MIMO Applications | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Chen, Zhi Ning | 17 Mar 2020 | 09:50 | 10:10 | Microwave Metasurface-based Lens Antennas for 5G and Beyond | B1 | CS38 | ISAP Session: Recent Advances in Asian Antennas and Propagation Research | T02 Millimetre wave 5G / Convened Session / Antennas |
| Chen, Zhi Ning | 20 Mar 2020 | 09:50 | 10:10 | Broadband Circularly Polarized Metasurface Antenna Fed by a Rotated L-Shaped Probe | B1 | CS33 | IET Session: New Antenna Systems Involving Application of Metamaterials and Metasurfaces | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Chen, Zhihui | 18 Mar 2020 | 13:20 | 13:20 | Two-dimensional OAM Radar Imaging Using Uniform Circular Antenna Arrays | Exhibition Hall | Poster2-P12 | Poster Session 2: Radar, localisation, and sensing | Propagation |
| Chen, Zhong | 19 Mar 2020 | 17:20 | 17:40 | Direct Wave Removal in Anechoic Chamber Range Imaging from Planar Scanned Data | B10 | CS48 | Novel Antenna Measurement Data Analysis and Techniques | T11 Fundamental research and emerging technologies / Convened Session / Measurements |
| Cheng, Chia-Lin | 17 Mar 2020 | 13:20 | 13:20 | Remote Monitoring and Propagation Modeling of EM Side-Channel Signals for IoT Device Security | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Cheng, Chia-Lin | 20 Mar 2020 | 09:10 | 09:30 | Terahertz MIMO Fading Analysis and Doppler Modeling in a Data Center Environment | B9 | T10-P02 | Propagation modelling and simulation | T10 EM modelling and simulation tools / Regular Session / Propagation |

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|--------------------------|-------------|-------|-------|--|------------------|------------------------|---|--|
| Cheng, Jie | 17 Mar 2020 | 11:00 | 11:20 | Characterization of Esophageal Temperature Profiles During Cardiac Radiofrequency Ablation | B7 | SW02 | COST Session CA17115 (MyWAVE): Developments in Electromagnetic-Based Medical Technologies | T05 Biomedical and Health / Convened Session / Electromagnetics |
| Cheng, Lele | 18 Mar 2020 | 13:20 | 13:20 | Modeling and Simulation for UAV Air-to-Ground mmWave Channels | Exhibition Hall | Poster2-P09 | Poster Session 2: Propagation for vehicular communications | Propagation |
| Cheng, Lin | 17 Mar 2020 | 08:30 | 08:50 | Reconfigurable Terahertz Reflectarray Based on Graphene Radiating Patches | B1 | CS38 | ISAP Session: Recent Advances in Asian Antennas and Propagation Research | T02 Millimetre wave 5G / Convened Session / Antennas |
| Cheng, Neng | 18 Mar 2020 | 13:20 | 13:20 | On the Second Order Statistics of 3D Non-Stationary UAV Channels Allowing Velocity Variations | Exhibition Hall | Poster2-P09 | Poster Session 2: Propagation for vehicular communications | Propagation |
| Cheng, Qiang | 16 Mar 2020 | 14:30 | 14:50 | A Frequency-Controlled Fast Beam-Scanning Antenna with Glide-Symmetric Feeding | B1 | SW04 | COST Session CA18223 (SyMat): Periodic Structures with Higher Symmetries | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Cheng, Qiao | 18 Mar 2020 | 13:20 | 13:20 | An Ultra-thin Wide-Angle Scanned Planar Array Antenna for Satellite Communication | A2 (Poster Area) | Convened Poster 2-CS41 | Metasurfaces for Mobile (5G and Beyond) and Satellite Communication Systems | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Cheng, Qiao | 18 Mar 2020 | 13:20 | 13:20 | Quasi-Periodic Metasurfaces and Their Equivalent Dielectric Models | A2 (Poster Area) | Convened Poster 2-CS41 | Metasurfaces for Mobile (5G and Beyond) and Satellite Communication Systems | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Cheng, You-Feng | 19 Mar 2020 | 17:20 | 17:40 | Implementation Methods for Planar Wide-Angle Scanning Phased Array | A3 | CS49 | Novel Techniques for Beam Manipulation at Millimeter | T02 Millimetre wave 5G / Convened Session / Antennas |
| Chenot, Cecile | 17 Mar 2020 | 11:00 | 11:20 | Pilot Patient Study with the Wavelia Microwave Breast Imaging System for Breast Cancer Detection: Clinical Feasibility and Identified Technical Challenges | B6 | CS60 | Sensors and Systems for Microwave Biomedical Imaging and Sensing | T05 Biomedical and health / Convened Session / Antennas |
| Chevalier, Alexis | 17 Mar 2020 | 17:00 | 17:20 | Frequency Reconfigurable Antenna Loaded with Magneto Dielectric Materials at VHF Band | B1 | CS58 | Reconfigurable Antennas for Compact Devices | T04 IoT and M2M / Convened Session / Antennas |
| Chezian, Arvind Selvan | 19 Mar 2020 | 09:30 | 09:50 | Non-Invasive Transmission Based Tumor Detection Using Anthropomorphic Breast Phantom at 2.45 GHz | B6 | T05-A12/2 | Point of Care Microwave Sensors | T05 Biomedical and health / Regular Session / Antennas |
| Chiampi, Mario | 18 Mar 2020 | 13:20 | 13:20 | Gradient-induced Heating of a Metallic Hip Implant in Magnetic Resonance Imaging | Exhibition Hall | Poster2-E03 | Poster Session 2: Computational and numerical techniques | Electromagnetics |
| Chizhevskaya, Yana | 20 Mar 2020 | 11:20 | 11:40 | Performance of Absorbing Periodic Structures of Cylindrical Black Holes Arranged on a Perfectly Conducting Screen | B4 | T11-E06 | Scattering and diffraction | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Chizhik, Dmitry | 19 Mar 2020 | 12:00 | 12:20 | Analytic Propagation Approximation over Variable Terrain and Comparison to Data | B1 | T01-P02 | Propagation modelling and simulation | T01 LTE and Sub-6GHz 5G / Regular Session / Propagation |
| Chng, Xiong Kai Benjamin | 20 Mar 2020 | 08:30 | 08:50 | Characteristic Far-Field Analysis of Scattering Due to Plane Wave Excitations | B4 | T11-E06 | Scattering and diffraction | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Cho, Dae-Soon | 18 Mar 2020 | 13:20 | 13:20 | Uplink Design of Millimeter Wave Based Moving Network System | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Cho, Ilnam | 19 Mar 2020 | 13:20 | 13:20 | A Reverse Engineering Based on Insertion Loss for Estimating Sheet Resistance of Transparent Antenna | Exhibition Hall | Poster3-A23 | Poster Session 3: Other antenna topics | Antennas |
| Cho, Young-Ki | 20 Mar 2020 | 09:30 | 09:50 | Negative Reflection and Refraction and Filter Characteristics in the Leaky Wave-supportable Gratings - TE Polarization Case | B4 | T11-E06 | Scattering and diffraction | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Choi, Jihun | 18 Mar 2020 | 09:50 | 10:10 | An Efficient Low-Profile Low-VHF Antenna for Small Unmanned Ground Vehicles | B7 | T06-A17 | Automotive antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Choi, Kuk-Heon | 19 Mar 2020 | 13:20 | 13:20 | CPW-Fed U-shaped Transparent Antenna for 5G Vehicle Sensor Application | Exhibition Hall | Poster3-A23 | Poster Session 3: Other antenna topics | Antennas |
| Choi, Sung Woo | 16 Mar 2020 | 16:00 | 16:20 | Architecture and Performance of the Base Station Prototype for MN Systems | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Chongder, Prasun | 16 Mar 2020 | 13:50 | 14:10 | Novel Dual-mode SIHC Based Filtering Antenna | B4 | T07-A | Antenna theory and system design | T07 Defence and security / Regular Session / Antennas |
| Choo, Hosung | 16 Mar 2020 | 17:40 | 18:00 | Design of an Array Antenna Consisting of Three Dual Antenna Sets with a Narrow Array Distance for Interference Mitigation | B2 | T04-A08 | IoT antennas | T04 IoT and M2M / Regular Session / Antennas |
| Choo, Hosung | 19 Mar 2020 | 13:20 | 13:20 | Design of Dual-band Coupled-fed Dipole Array Antenna Element for PCL Systems | Exhibition Hall | Poster3-A11 | Poster Session 3: Multiband and wideband antennas | Antennas |
| Chopra, Nishtha | 18 Mar 2020 | 09:50 | 10:10 | Dielectric Properties of Biological Tissues at Frequencies Below 1 MHz: Development of an Improved Measurement Technique | B6 | SW03 | COST Session CA17115 (MyWAVE): Supporting Medical Device Development via Dielectric and Thermal Tissue Characterization | T05 Biomedical and health / Convened Session / Measurements |
| Chose, Matthews | 17 Mar 2020 | 10:40 | 11:00 | An Iterative Method for the Analysis of Large Disjoint Antenna Arrays | B11 | T10-E03/1 | Computational and numerical techniques 1 | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Chou, Hsi-Tseng | 17 Mar 2020 | 17:00 | 17:20 | A Uniform Theory of Diffraction for a Curved PEC Wedge Excited by an Obliquely Incident Astigmatic Electromagnetic Gaussian Beam | B9 | CS32 | High-Frequency Methods and Applications | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Chou, Hsi-Tseng | 18 Mar 2020 | 09:10 | 09:30 | A Brief History of Ray Methods from Ancient to Modern Times and Their Impact on Electromagnetic Engineering Applications | B11 | BC/2 | History of Electromagnetism 2 | T13 Bicentennial Session / Electromagnetics |
| Christie, Andrew | 17 Mar 2020 | 13:20 | 13:20 | Design of a Dual-Circularly-Polarized Stacked Patch Antenna for SOTM Application at Ka-band | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Christodoulou, Christos | 17 Mar 2020 | 17:20 | 17:40 | Four-Element Beam Switching Antenna for Compact IoT Devices | B1 | CS58 | Reconfigurable Antennas for Compact Devices | T04 IoT and M2M / Convened Session / Antennas |

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| Christopher, Michael | 19 Mar 2020 | 13:20 | 13:20 | On the Measurement of Radiated Power for 5G Mobile Device with Spectrum Analyzer | Exhibition Hall | Poster3-M09 | Poster Session 3: MIMO and OTA testing | Measurements |
| Christou, Marios | 18 Mar 2020 | 13:20 | 13:20 | Effects of Common Approximations in the Modeling of a Liquid-Crystal-Based Patch Antenna: A Numerical Investigation | Exhibition Hall | Poster2-E03 | Poster Session 2: Computational and numerical techniques | Electromagnetics |
| Chu, Huy Nam | 19 Mar 2020 | 13:20 | 13:20 | Frequency Reconfigurable Self-oscillating Active Integrated Antenna Using Metamaterial Resonators and Diode Switches | Exhibition Hall | Poster3-A14 | Poster Session 3: Active and integrated antennas | Antennas |
| Chu, Qing-Xin | 19 Mar 2020 | 08:50 | 09:10 | Compact Eight-Band Monopole for LTE Mobile Phone | A2 | T01-A11 | Multiband and wideband antennas | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Chu, Qing-Xin | 19 Mar 2020 | 09:30 | 09:50 | A Wideband Dual-Polarized Antenna with Enhanced Cross-Polarization Discrimination for Base Station Application | A2 | T01-A11 | Multiband and wideband antennas | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Chuang, Jack | 17 Mar 2020 | 09:30 | 09:50 | Penetration Loss at 60 GHz for Indoor-to-Indoor and Outdoor-to-Indoor Mobile Scenarios | A3 | CS35 | IET/IRACON Session: Propagation Measurements and Modelling for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Chul Lee, Young | 17 Mar 2020 | 13:20 | 13:20 | Effect of a Clutter Behind Building on a Building Entry Loss (BEL) over a nLoS Path | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Chung, Hee Sang | 16 Mar 2020 | 14:50 | 15:10 | Millimeter-Wave Channel Characterization for Vehicle-to-Infrastructure Communication | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Chung, Hee Sang | 16 Mar 2020 | 16:00 | 16:20 | Architecture and Performance of the Base Station Prototype for MN Systems | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Chung, Wei | 17 Mar 2020 | 12:00 | 12:20 | Highly-Integrated Dual-Band mmWave Antenna Array for 5G Mobile Phone Application | B1 | CS38 | ISAP Session: Recent Advances in Asian Antennas and Propagation Research | T02 Millimetre wave 5G / Convened Session / Antennas |
| Churm, James | 18 Mar 2020 | 13:20 | 13:20 | Electro-Mechanically Tunable Meta-Surfaces for Beam-Steered Antennas from mm-Wave to THz | A2 (Poster Area) | Convened Poster 2-CS41 | Metasurfaces for Mobile (5G and Beyond) and Satellite Communication Systems | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Cimini, Domenico | 17 Mar 2020 | 12:00 | 12:20 | Performance Trends at 26 GHz for a Receiving Ground Station at Polar Latitudes: The SNOWBEAR Project | B8 | T09-P08 | Satellite propagation | T09 Space (incl. cubesat) / Regular Session / Propagation |
| Ciobanu, Luisa | 17 Mar 2020 | 13:20 | 13:20 | Hybridized Electric Dipoles Applications in Ultra-High Field MRI | A2 (Poster Area) | Convened Poster 1-CS27 | Electromagnetics in MRI Applications | T05 Biomedical and health / Convened Session / Electromagnetics |
| Cioffi, Vincenzo | 19 Mar 2020 | 17:00 | 17:20 | Full Analysis of Wearable Textile Sensor for Biomedical Applications: Preliminary Validations Towards a Pre-Clinical Assessment | B6 | T05-A12/3 | Body area antennas and sensor systems | T05 Biomedical and health / Regular Session / Antennas |
| Ciorba, Lorenzo | 17 Mar 2020 | 16:40 | 17:00 | Characteristic Mode Analysis of Multi-Octave Asymmetric Dipoles | B8 | CS15 | Antennas for Radio Astronomy | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Ciorba, Lorenzo | 18 Mar 2020 | 11:40 | 12:00 | A Drone-Mounted Q-Band Test-Source for the Validation of the Large Scale Polarization Explorer | B11 | T06-M10 | UAV-Based Antenna Measurements (AMTA) | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Measurements |
| Cirio, Laurent | 19 Mar 2020 | 13:20 | 13:20 | Waveform Optimization for Efficiency Improvement of Traditional RF-to-dc Rectifiers Without Input Matching Network | Exhibition Hall | Poster3-A20 | Poster Session 3: Antennas for wireless power transmission and harvesting | Antennas |
| Cirio, Laurent | 19 Mar 2020 | 13:20 | 13:20 | Impact of Multisine and RF Pulse Signals on the Efficiency of Different Rectifier Topologies for WPT | Exhibition Hall | Poster3-A20 | Poster Session 3: Antennas for wireless power transmission and harvesting | Antennas |
| Claverie, Jacques | 18 Mar 2020 | 11:40 | 12:00 | Aircraft Measurements of the Marine Surface Layer Refractive Index During the TAPS Campaign | B10 | T11-P04 | Experimental methods and campaigns | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Clavier, Laurent | 16 Mar 2020 | 13:50 | 14:10 | Emulation of End-To-End Communications Systems in Railway Scenarios: Physical Layer Results | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Clavier, Laurent | 17 Mar 2020 | 13:20 | 13:20 | Joint Statistical Modeling of Received Power, Mean Delay, and Delay Spread for Indoor Wideband Radio Channels | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Clemente, Antonio | 18 Mar 2020 | 13:20 | 13:20 | Transmit-Arrays at Ka-band for Harsh Environment | A2 (Poster Area) | Convened Poster 2-CS14 | Antennas for Harsh Environment | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Clemente, Antonio | 18 Mar 2020 | 13:20 | 13:20 | Three-Element End-Fire Linear Arrays (Super) Directivity and Gain Optimization | Exhibition Hall | Poster2-A01 | Poster Session 2: Antenna theory | Antennas |
| Clemente, Antonio | 20 Mar 2020 | 11:00 | 11:20 | P-i-n Diode Based Electronically Steerable Transmitarrays for SOTM at Ka-band | B8 | CS59 | Reconfigurable Reflectarray and Transmitarrays | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Clemente, Carmine | 17 Mar 2020 | 09:50 | 10:10 | On Models and Approaches for Human Vital Signs Extraction from Short Range Radar Signals | B4 | T11-M02 | Radar scattering measurement and calibration techniques | T11 Fundamental research and emerging technologies / Regular Session / Measurements |
| Clénet, Michel | 19 Mar 2020 | 18:00 | 18:20 | Novel Wideband Antenna for GNSS and Satellite Communications | B5 | CS31 | GNSS Antennas and Systems for Challenged RF Environment | T08 Positioning, localization & tracking / Convened Session / Antennas |
| Coatanhay, Arnaud | 18 Mar 2020 | 08:30 | 08:50 | VoglerNet: Multiple Knife-Edge Diffraction Using Deep Neural Network | B10 | T11-P02/2 | Machine Learning in Radio Propagation | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Coelho, Leandro dos Santos | 18 Mar 2020 | 13:20 | 13:20 | Multiband Patch Antenna Design for RF Energy Harvesting Applications Using Coyote Optimization Algorithm | A2 (Poster Area) | Convened Poster 2-CS61 | Signal Processing Techniques for Advanced Electromagnetics Synthesis, Analysis, and Measurements | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Coetzee, Jacob | 20 Mar 2020 | 08:50 | 09:10 | Amended Design of Travelling-Wave Slot Arrays | B7 | T06-A11 | Aircraft antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Collardey, Sylvain | 18 Mar 2020 | 11:20 | 11:40 | Systematic Approach to Design a Circularly Polarized Antenna Using the Characteristic Modes Theory | B1 | CS45 | New Perspectives and Applications of Characteristic Mode Analysis in Antenna Design | T11 Fundamental research and emerging technologies / Convened Session / Antennas |

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| Colombi, Davide | 19 Mar 2020 | 09:50 | 10:10 | EMF Exposure Assessment of Massive MIMO Radio Base Stations Based on Traffic Beam Pattern Envelopes | A3 | CS34 | IET/AMTA Session: Test and Measurement Challenges for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Measurements |
| Comite, Davide | 16 Mar 2020 | 14:10 | 14:30 | Near-field Focusing Through Higher-order Cylindrical Leaky Waves | B2 | CS21 | Challenges in Leaky Wave Antennas and Novel Approaches to Solve Them | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Comite, Davide | 16 Mar 2020 | 16:20 | 16:40 | Higher-Order Cylindrical Leaky Waves in Planar Structures | B1 | SW04 | COST Session CA18223 (SyMat): Periodic Structures with Higher Symmetries | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Comite, Davide | 19 Mar 2020 | 08:50 | 09:10 | Open-Stopband Suppression in a Canonical 1-D Periodic 2-D Structure with Asymmetric Unit Cell | B2 | CS46 | New Trends in Leaky Wave Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Comite, Davide | 19 Mar 2020 | 10:40 | 11:00 | 2-D Planar Leaky-wave Antenna with Fixed Frequency Beam Steering Through Broadside | B2 | CS46 | New Trends in Leaky Wave Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Concaro, Filippo | 17 Mar 2020 | 12:00 | 12:20 | Performance Trends at 26 GHz for a Receiving Ground Station at Polar Latitudes: The SNOWBEAR Project | B8 | T09-P08 | Satellite propagation | T09 Space (incl. cubesat) / Regular Session / Propagation |
| Concaro, Filippo | 17 Mar 2020 | 13:20 | 13:20 | K-band Feed and Transceiver with Compact Monopulse Tracking Coupler for Deep Space Applications | Exhibition Hall | Poster1-A18 | Poster Session 1: Reflector, feed systems, and components | Antennas |
| Concaro, Filippo | 17 Mar 2020 | 13:20 | 13:20 | Upgrade to the K-band Uplink Channel for the ESA Deep Space Antennas: Analysis of the Optics and Preliminary Dichroic Mirror Design | Exhibition Hall | Poster1-A18 | Poster Session 1: Reflector, feed systems, and components | Antennas |
| Conceição, Raquel C. | 17 Mar 2020 | 09:30 | 09:50 | Head and Neck Numerical Phantom Development for Cervical Lymph Node Microwave Imaging | B6 | CS60 | Sensors and Systems for Microwave Biomedical Imaging and Sensing | T05 Biomedical and health / Convened Session / Antennas |
| Conceição, Raquel C. | 18 Mar 2020 | 08:30 | 08:50 | Thermal Properties of Ex Vivo Biological Tissue at Room and Body Temperature | B6 | SW03 | COST Session CA17115 (MyWAVE): Supporting Medical Device Development via Dielectric and Thermal Tissue Characterization | T05 Biomedical and health / Convened Session / Measurements |
| Conceição, Raquel C. | 18 Mar 2020 | 11:00 | 11:20 | Extracting Dielectric Properties for MRI-based Phantoms for Axillary Microwave Imaging Device | B6 | SW03 | COST Session CA17115 (MyWAVE): Supporting Medical Device Development via Dielectric and Thermal Tissue Characterization | T05 Biomedical and health / Convened Session / Measurements |
| Conceição, Raquel C. | 20 Mar 2020 | 12:00 | 12:20 | Development of a Transmission-Based Open-Ended Coaxial-Probe Suitable for Axillary Lymph Node Dielectric Measurements | B6 | SW06 | H2020 Session ID764479 (EMERALD): Electromagnetic Imaging for a Novel Generation of Medical Devices | T05 Biomedical and health / Convened Session / Electromagnetics |
| Connor, Jacob | 18 Mar 2020 | 13:20 | 13:20 | General Formulation of the Boundary Element Method (BEM) for Curvilinear Metasurfaces in the Presence of Multiple Scattering Objects | Exhibition Hall | Poster2-E03 | Poster Session 2: Computational and numerical techniques | Electromagnetics |
| Consalvi, Fernando | 19 Mar 2020 | 17:40 | 18:00 | The MEKaP Project: Measuring Tropospheric Impairments at Ka Band with MEO Satellites | B8 | T09-P13 | Propagation Aspects in Remote Sensing | T09 Space (incl. cubesat) / Regular Session / Propagation |
| Constantinou, Costas | 17 Mar 2020 | 13:20 | 13:20 | Theory, Design and Validation of a Tunable, Injection-Matched, 2-Port Antenna | A2 (Poster Area) | Convened Poster 1-CS17 | Antennas with Multi-Port/Distributed Feeding and On-Antenna Power-Combining for Efficient Integration and Reconfigurability | T02 Millimetre wave 5G / Convened Session / Antennas |
| Constantinou, Costas | 17 Mar 2020 | 13:20 | 13:20 | Circuit-antenna Interactions in Multi-port Active Antennas | A2 (Poster Area) | Convened Poster 1-CS17 | Antennas with Multi-Port/Distributed Feeding and On-Antenna Power-Combining for Efficient Integration and Reconfigurability | T02 Millimetre wave 5G / Convened Session / Antennas |
| Contreres, Romain | 19 Mar 2020 | 13:20 | 13:20 | Simple and Robust Probes for Near-Field Antenna Measurements at Low UHF Bands | Exhibition Hall | Poster3-M07 | Poster Session 3: Satellite and aerospace antenna characterisation | Measurements |
| Contu, Salvatore | 17 Mar 2020 | 10:40 | 11:00 | Active Antennas for Earth Observation Missions in Thales Alenia Space Italia | B5 | CS01 | Active Antennas for Onboard Space Applications | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Cooman, Adam | 20 Mar 2020 | 11:20 | 11:40 | Optimal Bounds and Matching Networks of Fixed Degree and for Frequency Varying Impedances | B10 | CS11 | Antenna Design and Fundamental Bounds with External Constraints | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Corazza, Alexandre | 18 Mar 2020 | 13:20 | 13:20 | Evaluating the RCS Contribution of Geometrical Singularities: An Analytical Model | Exhibition Hall | Poster2-E02 | Poster Session 2: EM theory and analytical techniques | Electromagnetics |
| Córcoles, Juan | 18 Mar 2020 | 13:20 | 13:20 | Tools for the Efficient Implementation of the DBIM Algorithm in Microwave Imaging Experiments | A2 (Poster Area) | Convened Poster 2-CS61 | Signal Processing Techniques for Advanced Electromagnetics Synthesis, Analysis, and Measurements | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Corona-Romero, Pedro | 18 Mar 2020 | 10:40 | 11:00 | Possibility of Signal Reflection from the Northern Crest of EIA: Case Study | B10 | T11-P04 | Experimental methods and campaigns | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Corre, Yoann | 17 Mar 2020 | 13:20 | 13:20 | Assessment of sub-THz Mesh Backhaul Capabilities from Realistic Modelling at the PHY Layer | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Corre, Yoann | 19 Mar 2020 | 09:10 | 09:30 | Analysis of 60-GHz In-street Backhaul Channel Measurements and LiDAR Ray-based Simulations | B1 | T02-P02 | Millimetre wave propagation modelling | T02 Millimetre wave 5G / Regular Session / Propagation |
| Correia, Luis M. | 17 Mar 2020 | 17:00 | 17:20 | Preliminary Empirical Validation of a Polarized Off-Body Channel Model with Dynamic Users | B6 | SW01 | COST Session CA15104 (IRACON): Measurements and Simulations in Channel Modelling in Wireless Body Area Networks | T05 Biomedical and health / Convened Session / Propagation |
| Correia, Luis M. | 18 Mar 2020 | 13:20 | 13:20 | A Preliminary Analysis of User's Body Impact on Signal Polarization in WBANs | Exhibition Hall | Poster2-P10 | Poster Session 2: Propagation in biological tissues and body-area propagation | Propagation |
| Costa, Filippo | 17 Mar 2020 | 13:20 | 13:20 | Design of Distributed Spiral Resonators for the Decoupling of MRI Array Coils | A2 (Poster Area) | Convened Poster 1-CS27 | Electromagnetics in MRI Applications | T05 Biomedical and health / Convened Session / Electromagnetics |

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| Costa, Jorge R. | 17 Mar 2020 | 13:20 | 13:20 | Equivalent Dielectric Description of Transmit-arrays as an Efficient and Accurate Method of Analysis | Exhibition Hall | Poster1-A19 | Poster Session 1: Reflect arrays and transmit arrays | Antennas |
| Costa, Jorge R. | 18 Mar 2020 | 13:20 | 13:20 | Transmit-array Antenna Design for Broadband Backhaul 5G Communications at WIGIG Band | A2 (Poster Area) | Convened Poster 2-CS36 | Innovative Lens Antennas for Future Communication Systems | T02 Millimetre wave 5G / Convened Session / Antennas |
| Costa, Jorge R. | 19 Mar 2020 | 13:20 | 13:20 | Antenna Phase Center and Angular Dispersion Estimation Using Planar Acquisition Setup Applied to Microwave Breast Imaging | Exhibition Hall | Poster3-A23 | Poster Session 3: Other antenna topics | Antennas |
| Costa, Jorge R. | 20 Mar 2020 | 12:00 | 12:20 | Development of a Transmission-Based Open-Ended Coaxial-Probe Suitable for Axillary Lymph Node Dielectric Measurements | B6 | SW06 | H2020 Session ID764479 (EMERALD): Electromagnetic Imaging for a Novel Generation of Medical Devices | T05 Biomedical and health / Convened Session / Electromagnetics |
| Costa, Luis Felipe V. T. | 20 Mar 2020 | 10:40 | 11:00 | Bioinspired Sensor for the Electrical Permittivity Characterization of Dielectric Materials | B5 | T11-M01 | Material characterisation and non-destructive testing | T11 Fundamental research and emerging technologies / Regular Session / Measurements |
| Costantine, Joseph | 19 Mar 2020 | 08:50 | 09:10 | An NRW Extension for Dielectric Characterization of Arbitrary Length Low-Loss Materials | B6 | T05-A12/2 | Point of Care Microwave Sensors | T05 Biomedical and health / Regular Session / Antennas |
| Costantine, Joseph | 20 Mar 2020 | 10:40 | 11:00 | Nesting Dual Tapered Additively Manufactured Helical Antennas for Size Reduction Constraints | B10 | CS11 | Antenna Design and Fundamental Bounds with External Constraints | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Costanzo, Alessandra | 20 Mar 2020 | 11:20 | 11:40 | Highly-Reconfigurable Time-based Radiating Systems and Their Optimization | A3 | CS37 | IRACON Spectrum Sharing: Challenges and Opportunities for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Costanzo, Sandra | 16 Mar 2020 | 16:40 | 17:00 | Miniaturized Planar Inverted-F Antenna Using Minkowski Pre-Fractal Structure | B2 | T04-A08 | IoT antennas | T04 IoT and M2M / Regular Session / Antennas |
| Costanzo, Sandra | 17 Mar 2020 | 12:00 | 12:20 | Phaseless Approach to Microwave Biomedical Imaging: System Requirements Towards Clinical Applications | B6 | CS60 | Sensors and Systems for Microwave Biomedical Imaging and Sensing | T05 Biomedical and health / Convened Session / Antennas |
| Costanzo, Sandra | 19 Mar 2020 | 17:00 | 17:20 | Full Analysis of Wearable Textile Sensor for Biomedical Applications: Preliminary Validations Towards a Pre-Clinical Assessment | B6 | T05-A12/3 | Body area antennas and sensor systems | T05 Biomedical and health / Regular Session / Antennas |
| Couckuyt, Ivo | 16 Mar 2020 | 15:10 | 15:30 | Bayesian Active Learning for Electromagnetic Structure Design | B9 | CS64 | Trends and Advances in Machine Learning for Applied Electromagnetics | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Couckuyt, Ivo | 17 Mar 2020 | 08:50 | 09:10 | Machine Learning-Based Hybrid Random-Fuzzy Modeling Framework for Antenna Design | B10 | CS39 | Machine Learning in Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Coutinho, Ianes | 18 Mar 2020 | 13:20 | 13:20 | Dual-Band Band-Pass Frequency Selective Surface Based on the Matryoshka Geometry with Angular Stability and Polarization Independence | Exhibition Hall | Poster2-E07 | Poster Session 2: Frequency and polarization selective surfaces | Electromagnetics |
| Covic, Hrvoje | 18 Mar 2020 | 13:20 | 13:20 | Telemetry Antennas Withstanding Very High Accelerations and Centrifugal Forces | A2 (Poster Area) | Convened Poster 2-CS14 | Antennas for Harsh Environment | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Craeye, Christophe | 17 Mar 2020 | 12:00 | 12:20 | Dual-Band Beams Generation with Metasurface Based on the EFIE | B9 | CS09 | Analytical and Numerical Methods for Metasurface Analysis and Design | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Craeye, Christophe | 17 Mar 2020 | 13:20 | 13:20 | A Nesting Approach for the Numerical Analysis of MRI Birdcage Antennas in the Presence of the Human Head | A2 (Poster Area) | Convened Poster 1-CS27 | Electromagnetics in MRI Applications | T05 Biomedical and health / Convened Session / Electromagnetics |
| Craeye, Christophe | 17 Mar 2020 | 13:20 | 13:20 | Acceleration of Physical Optics Interactions Using Inhomogeneous Plane Waves | A2 (Poster Area) | Convened Poster 1-CS57 | Recent Research on Wind Turbines: EM Modelling and Measurements | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Craeye, Christophe | 17 Mar 2020 | 17:20 | 17:40 | A Beamforming Approach to the Self-Calibration of Phased Arrays | B8 | CS15 | Antennas for Radio Astronomy | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Craeye, Christophe | 18 Mar 2020 | 13:20 | 13:20 | Multi-ring Circular Parasitic Antenna with Circularly Polarized Conical Beam and High Gain | Exhibition Hall | Poster2-A02 | Poster Session 2: Antenna interactions and coupling | Antennas |
| Craeye, Christophe | 19 Mar 2020 | 11:20 | 11:40 | Modal Characterization of Thermal Emitters Using the Method of Moments | B8 | CS30 | Fundamental Challenges and Novel Methodologies in the Next-Generation Computational Electromagnetics | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Creagh, Stephen | 19 Mar 2020 | 09:10 | 09:30 | Reflected Wave Fields from a Fluctuating Earth Surface - a Phase-Space Approach | B9 | T10-E05/1 | Electromagnetic Methods for Direct and Inverse Scattering Involving Stratified Media | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Creagh, Stephen | 20 Mar 2020 | 10:40 | 11:00 | Towards Hybrid Statistical-Deterministic Wireless Channel Modelling of Multiroom Environments | B11 | CS20 | Assessment and Modeling of Antennas and Radio Channels Jointly | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Crezee, Johannes | 17 Mar 2020 | 08:30 | 08:50 | Loco-regional Hyperthermia Delivery: Patient-specific Set-Up Procedures for Treatment Optimisation | B7 | SW02 | COST Session CA17115 (MyWAVE): Developments in Electromagnetic-Based Medical Technologies | T05 Biomedical and Health / Convened Session / Electromagnetics |
| Crezee, Johannes | 17 Mar 2020 | 08:50 | 09:10 | Hyperthermia Treatment Planning: Clinical Application and Ongoing Research | B7 | SW02 | COST Session CA17115 (MyWAVE): Developments in Electromagnetic-Based Medical Technologies | T05 Biomedical and Health / Convened Session / Electromagnetics |
| Crisp, Michael J | 19 Mar 2020 | 13:20 | 13:20 | A UHF RFID Reader Antenna with Tunable Axial Ratio and Fixed Beamwidth | Exhibition Hall | Poster3-A15 | Poster Session 3: RFID antennas/sensors and systems | Antennas |
| Crocco, Lorenzo | 17 Mar 2020 | 11:20 | 11:40 | Portable 3-D Microwave Imaging System for Cerebrovascular Diseases Monitoring | B7 | SW02 | COST Session CA17115 (MyWAVE): Developments in Electromagnetic-Based Medical Technologies | T05 Biomedical and Health / Convened Session / Electromagnetics |
| Crocco, Lorenzo | 17 Mar 2020 | 11:40 | 12:00 | Potentialities of Inverse Scattering Techniques for Breast Cancer Imaging at Millimeter-Waves Frequencies | B7 | SW02 | COST Session CA17115 (MyWAVE): Developments in Electromagnetic-Based Medical Technologies | T05 Biomedical and Health / Convened Session / Electromagnetics |

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| Crocco, Lorenzo | 18 Mar 2020 | 11:20 | 11:40 | Microwave Imaging Device for In-Line Food Inspection | B9 | CS66 | Unconventional Techniques and Applications for Inverse Scattering Problems | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Crocco, Lorenzo | 18 Mar 2020 | 11:40 | 12:00 | On the Use of Spherical Harmonics in Sparse Microwave Imaging | B9 | CS66 | Unconventional Techniques and Applications for Inverse Scattering Problems | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Crocco, Lorenzo | 20 Mar 2020 | 11:00 | 11:20 | Initial Guidelines to the Design of a Microwave Imaging System for Ablation Monitoring | B6 | SW06 | H2020 Session ID764479 (EMERALD): Electromagnetic Imaging for a Novel Generation of Medical Devices | T05 Biomedical and health / Convened Session / Electromagnetics |
| Crocco, Lorenzo | 20 Mar 2020 | 11:40 | 12:00 | Monitoring Tumor Response During Chemotherapy Treatment with Microwave Imaging | B6 | SW06 | H2020 Session ID764479 (EMERALD): Electromagnetic Imaging for a Novel Generation of Medical Devices | T05 Biomedical and health / Convened Session / Electromagnetics |
| Crosetto, Michele | 17 Mar 2020 | 13:20 | 13:20 | A Low Cost Active Corner Reflector to Assist Snow Monitoring Through Sentinel/1 Images | A2 (Poster Area) | Convened Poster 1-CS08 | Analysis, Design and Use of Microwave Techniques, Models, Systems, and Antennas for Snowpack Avalanches Monitoring | T08 Positioning, localization & tracking / Convened Session / Propagation |
| Crunteanu, Aurelian | 19 Mar 2020 | 17:00 | 17:20 | Polarization Reconfiguration of a Millimeter-Waves Antenna Using the Optical Control of Phase Change Materials | A3 | CS49 | Novel Techniques for Beam Manipulation at Millimeter | T02 Millimetre wave 5G / Convened Session / Antennas |
| Cruz, Ana | 19 Mar 2020 | 13:20 | 13:20 | Validation Tests for the Application of a Circular PMA with Slotted Ground Plane for Partial Discharges Detection in Power Transformers | Exhibition Hall | Poster3-A11 | Poster Session 3: Multiband and wideband antennas | Antennas |
| Csurgai-Horváth, László | 17 Mar 2020 | 08:30 | 08:50 | First and Second Order Statistics of Two Years Alphasat Ka/Q Band Satellite Propagation Measurements in Budapest | B8 | T09-P08 | Satellite propagation | T09 Space (incl. cubesat) / Regular Session / Propagation |
| Cueille, Marylène | 17 Mar 2020 | 17:40 | 18:00 | Time-Domain Modeling and Simulation of EM-Fields Propagation in Anisotropic Dispersive Media with Non-Conformal Meshing | B11 | T10-E03/2 | Computational and numerical techniques 2 | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Cui, Jian | 17 Mar 2020 | 13:20 | 13:20 | Propagation Analysis of Terahertz OAM Waves in Atmospheric Turbulent Environment | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Cui, Jie | 19 Mar 2020 | 13:20 | 13:20 | A Concept of Pattern-Reconfigurable Single-Element Antenna Based on Half-Mode Substrate-Integrated Cavity | Exhibition Hall | Poster3-A13 | Poster Session 3: Adaptive and reconfigurable antennas | Antennas |
| Cui, Ruoyu | 17 Mar 2020 | 08:30 | 08:50 | Reconfigurable Terahertz Reflectarray Based on Graphene Radiating Patches | B1 | CS38 | ISAP Session: Recent Advances in Asian Antennas and Propagation Research | T02 Millimetre wave 5G / Convened Session / Antennas |
| Cui, Tie Jun | 16 Mar 2020 | 14:30 | 14:50 | A Frequency-Controlled Fast Beam-Scanning Antenna with Glide-Symmetric Feeding | B1 | SW04 | COST Session CA18223 (SyMat): Periodic Structures with Higher Symmetries | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Cui, Tie Jun | 19 Mar 2020 | 13:20 | 13:20 | Dynamic Metasurfaces Based Aperture for Estimating the Directions of Arrival (DOA) | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Cui, Wanzhao | 19 Mar 2020 | 13:20 | 13:20 | Flangeless Waveguide Connection Based on Gap Waveguide Technology | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Cui, Wanzhao | 19 Mar 2020 | 13:20 | 13:20 | Novel Compact Waveguide Flange Adapter for Passive Intermodulation Measurement Systems | Exhibition Hall | Poster3-M11 | Poster Session 3: Other measurement topics | Measurements |
| Culotta-Lopez, Cosme | 17 Mar 2020 | 13:20 | 13:20 | On the Influence of the Transformation Matrix in Compressed Spherical Near-Field Measurements | Exhibition Hall | Poster1-M03 | Poster Session 1: Near-field, far-field, compact and RCS range measurement techniques | Measurements |
| Culotta-Lopez, Cosme | 19 Mar 2020 | 13:20 | 13:20 | L/S & C Band Medium Gain Ridge Horn Intercomparison Campaign Results | Exhibition Hall | Poster3-M10 | Poster Session 3: General antenna measurements | Measurements |
| Curcio, Claudio | 19 Mar 2020 | 08:50 | 09:10 | Fast Single-Cut Antenna Characterization by near Field Measurements | B10 | CS07 | AMTA/EurAAP Session: Post Processing Techniques in Antenna Measurements | T11 Fundamental research and emerging technologies / Convened Session / Measurements |
| Curto, Sergio | 17 Mar 2020 | 09:10 | 09:30 | Influence of the BSD-2000 3D/MR Hyperthermia Applicator on MR Image Quality: A Quantitative Assessment | B7 | SW02 | COST Session CA17115 (MyWAVE): Developments in Electromagnetic-Based Medical Technologies | T05 Biomedical and Health / Convened Session / Electromagnetics |
| Czelen, Mateusz | 19 Mar 2020 | 13:20 | 13:20 | Miniaturization of ESPAR Antenna Using Low-Cost 3D Printing Process | Exhibition Hall | Poster3-A13 | Poster Session 3: Adaptive and reconfigurable antennas | Antennas |
| Czerkawski, Mikolaj Wojciech | 17 Mar 2020 | 09:50 | 10:10 | On Models and Approaches for Human Vital Signs Extraction from Short Range Radar Signals | B4 | T11-M02 | Radar scattering measurement and calibration techniques | T11 Fundamental research and emerging technologies / Regular Session / Measurements |
| D'Assunção, Adaildo | 20 Mar 2020 | 10:40 | 11:00 | Bioinspired Sensor for the Electrical Permittivity Characterization of Dielectric Materials | B5 | T11-M01 | Material characterisation and non-destructive testing | T11 Fundamental research and emerging technologies / Regular Session / Measurements |
| da Costa, Edson G | 19 Mar 2020 | 13:20 | 13:20 | Validation Tests for the Application of a Circular PMA with Slotted Ground Plane for Partial Discharges Detection in Power Transformers | Exhibition Hall | Poster3-A11 | Poster Session 3: Multiband and wideband antennas | Antennas |
| da Silva Mello, Luiz | 18 Mar 2020 | 11:20 | 11:40 | Signal Reception Measurements Using Mobile HD Radio and DRM Systems in Two Urban Regions in Brazil | B10 | T11-P04 | Experimental methods and campaigns | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Dabironezare, Shahab Oddin | 16 Mar 2020 | 15:10 | 15:30 | Design of a Wide-Scan Lens Based Focal Plane Array for Sub-millimeter Imaging Systems Using Coherent Fourier Optics | B4 | T07-A | Antenna theory and system design | T07 Defence and security / Regular Session / Antennas |
| Dabironezare, Shahab Oddin | 16 Mar 2020 | 13:50 | 14:10 | Experimental Validation of the Beam Pattern of a Wide Band Quasi-Optical System for DESHIMA Spectrometer | B8 | T09-A09 | Millimetre wave lens antennas for space applications | T09 Space (incl. cubesat) / Regular Session / Antennas |

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| Dabironezare, Shahab Oddin | 16 Mar 2020 | 14:10 | 14:30 | Analysis of Wide Band Wide-Scanning Quasi-Optical Systems Based on Fourier Optics | B8 | T09-A09 | Millimetre wave lens antennas for space applications | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Dachena, Chiara | 16 Mar 2020 | 17:00 | 17:20 | Microwave Imaging of Cervical Myelopathy: A Preliminary Feasibility Assessment | B8 | T05-E05 | Microwave imaging | T05 Biomedical and health / Regular Session / Electromagnetics |
| Dachena, Chiara | 18 Mar 2020 | 13:20 | 13:20 | Application of MRI, fMRI and Cognitive Data for Alzheimer's Disease Detection | Exhibition Hall | Poster2-E05 | Poster Session 2: Imaging and inverse scattering | Electromagnetics |
| Dagefu, Fikadu | 16 Mar 2020 | 13:30 | 13:50 | Two-Element Biomimetic Antenna Array Design for Power Extraction / Phase Amplification Tradeoff | B5 | T08-A17 | Antennas and techniques for positioning and direction finding | T08 Positioning, localization & tracking / Regular Session / Antennas |
| Dagefu, Fikadu | 18 Mar 2020 | 09:50 | 10:10 | An Efficient Low-Profile Low-VHF Antenna for Small Unmanned Ground Vehicles | B7 | T06-A17 | Automotive antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| D'Agostino, Francesco | 19 Mar 2020 | 09:50 | 10:10 | AUT Far-Field Pattern Reconstruction from a Reduced Set of Spherical Near-Field Data Collected in Presence of an Infinite Perfectly Conducting Ground Plane | B10 | CS07 | AMTA/EurAAP Session: Post Processing Techniques in Antenna Measurements | T11 Fundamental research and emerging technologies / Convened Session / Measurements |
| D'Agostino, Francesco | 20 Mar 2020 | 12:00 | 12:20 | Echo Reduction Properties of Fast Non-Redundant Planar NF Sampling Methodologies | B2 | T02-M08 | Mm-wave, THz, and quasi-optical antenna measurements | T02 Millimetre wave 5G / Regular Session / Measurements |
| Dai, Shaowei | 17 Mar 2020 | 13:20 | 13:20 | Non-Gaussian Colored Noise Generation for Wireless Channel Simulation with Particle Swarm Optimizer | Exhibition Hall | Poster1-A22 | Poster Session 1: MIMO, diversity, smart antennas & signal processing | Antennas |
| Dall'Asta, Luca | 18 Mar 2020 | 11:00 | 11:20 | Advanced Teaching in Electromagnetics at the ELEDIA Research Center | B4 | CS26 | Education in Electromagnetics, Antennas, and Microwaves | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Dallmann, Thomas | 19 Mar 2020 | 09:50 | 10:10 | Mutual Over-The-Air Synchronization of Radar Sensors | B5 | CS25 | Convergence of Mobile Radio and Radar | T08 Positioning, localization & tracking / Convened Session / Propagation |
| Damas, Jacqueline | 20 Mar 2020 | 11:40 | 12:00 | Analysis of Substrate Parameters' Variations in a PCB-based 60 GHz GCPW Marchand Balun Design | B2 | T02-M08 | Mm-wave, THz, and quasi-optical antenna measurements | T02 Millimetre wave 5G / Regular Session / Measurements |
| Daniele, Vito | 17 Mar 2020 | 18:00 | 18:20 | Wiener-Hopf Analysis of the Scattering from an Abruptly Ended Dielectric Slab Waveguide | B9 | CS32 | High-Frequency Methods and Applications | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Darvish, Amirashkan | 18 Mar 2020 | 13:20 | 13:20 | Optimal Beamforming Using Clustered Evolutionary Teaching and Learning | Exhibition Hall | Poster2-E04 | Poster Session 2: Optimisation methods in EM | Electromagnetics |
| Das, Rabindra N. | 17 Mar 2020 | 11:20 | 11:40 | Rigid-Flexible Antenna Array (RFAA) for Lightweight Deployable Apertures | B5 | CS01 | Active Antennas for Onboard Space Applications | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Dash, Jogesh Chandra | 19 Mar 2020 | 10:40 | 11:00 | Isolation Enhancement of Closely Spaced MIMO System Using Inverted Fork Shaped Decoupling Structure | A2 | T01-A02 | Terminal antennas and interactions with surroundings | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Datashvili, Leri | 20 Mar 2020 | 11:40 | 12:00 | A Design Methodology for Reconfigurable Reflectarrays with a Deformable Ground | B8 | CS59 | Reconfigurable Reflectarray and Transmitarrays | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Davidson, David B | 17 Mar 2020 | 17:00 | 17:20 | Analysis of the Loading Effect of Faulty LNAs on Embedded Element Patterns in the Murchison Widefield Array | B8 | CS15 | Antennas for Radio Astronomy | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Davidson, David B | 17 Mar 2020 | 17:40 | 18:00 | Parallel Plate Waveguide Simulator of a Dense Connected Dipole Array | B8 | CS15 | Antennas for Radio Astronomy | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Davy, Matthieu | 18 Mar 2020 | 13:20 | 13:20 | Intensity-only Imaging Using Broadband Correlations in Reverberation Chambers | Exhibition Hall | Poster2-P12 | Poster Session 2: Radar, localisation, and sensing | Propagation |
| Davy, Matthieu | 20 Mar 2020 | 08:30 | 08:50 | Diffuse Field Cross-Correlation in a Reverberation Chamber Stirred with Reconfigurable Reflectarray Metasurfaces | B5 | T11-M05 | EM/EMC/PIM chambers, instrumentation, and measurements | T11 Fundamental research and emerging technologies / Regular Session / Measurements |
| De Angelis, Costantino | 19 Mar 2020 | 11:00 | 11:20 | Field Focusing for Nanophotonic Engineering and Applications | B4 | CS44 | Near-Field Focusing and Pulse Generation Through Localized Waves | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| De Beelde, Brecht | 17 Mar 2020 | 13:20 | 13:20 | 60 GHz Path Loss Modelling Inside Ships | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| De Beelde, Brecht | 18 Mar 2020 | 13:20 | 13:20 | Estimation of the Number of Persons in a Reverberant Environment Using Bistatic Radar | Exhibition Hall | Poster2-P12 | Poster Session 2: Radar, localisation, and sensing | Propagation |
| De Bernardis, Paolo | 18 Mar 2020 | 11:00 | 11:20 | The Optical Combiner of QUBIC: The Q & U Bolometric Interferometer for Cosmology | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| De Carlo, Paola | 17 Mar 2020 | 13:20 | 13:20 | Modeling of a Realistic Hybrid Metal-Plasma Transmit-array with Beam-scanning Capabilities | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| de Carvalho, Laura | 19 Mar 2020 | 13:20 | 13:20 | Eco-Friendly Metamaterial Antenna for 2.4 GHz WLAN Applications | Exhibition Hall | Poster3-A23 | Poster Session 3: Other antenna topics | Antennas |
| de Cos Gómez, María Elena | 16 Mar 2020 | 16:20 | 16:40 | On the Way to Green IoT Antennas: Compact Ultra-Thin CPW-Fed Monopole on Tencel | B2 | T04-A08 | IoT antennas | T04 IoT and M2M / Regular Session / Antennas |
| de Lange, Gert | 18 Mar 2020 | 08:50 | 09:10 | Analysis Methods for Multimoded Horns for Future THz Missions (SAFARI Instrument for SPICA) | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| de Lasson, Jakob Rosenkrantz | 18 Mar 2020 | 08:50 | 09:10 | Design of Ka-band Reflectarray Antennas for High Resolution SAR Instrument | A2 | T09-A19 | Reflect arrays and transmit arrays | T09 Space (incl. cubesat) / Regular Session / Antennas |
| de Lasson, Jakob Rosenkrantz | 18 Mar 2020 | 13:20 | 13:20 | Antennas on CubeSat Platforms: Accurate RF Predictions | Exhibition Hall | Poster2-A02 | Poster Session 2: Antenna interactions and coupling | Antennas |
| De Leo, Michele | 18 Mar 2020 | 11:00 | 11:20 | The Optical Combiner of QUBIC: The Q & U Bolometric Interferometer for Cosmology | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |

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| de Lera Acedo, Eloy | 17 Mar 2020 | 17:20 | 17:40 | A Beamforming Approach to the Self-Calibration of Phased Arrays | B8 | CS15 | Antennas for Radio Astronomy | T09 Space (incl. cubesat) / Convened Session / Antennas |
| de Lustrac, André | 19 Mar 2020 | 13:20 | 13:20 | Phase-Gradient Metasurfaces for Efficient Conversion of Surface Wave to Propagating Wave | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| De Martino, Carmine | 20 Mar 2020 | 11:00 | 11:20 | Experimental Validation of System NEP of a Single-Pixel THz Imaging Camera in CMOS | B2 | T02-M08 | Mm-wave, THz, and quasi-optical antenna measurements | T02 Millimetre wave 5G / Regular Session / Measurements |
| de Oliveira, João Guilherme Domingos | 20 Mar 2020 | 10:40 | 11:00 | Bioinspired Sensor for the Electrical Permittivity Characterization of Dielectric Materials | B5 | T11-M01 | Material characterisation and non-destructive testing | T11 Fundamental research and emerging technologies / Regular Session / Measurements |
| De Petris, Marco | 18 Mar 2020 | 11:00 | 11:20 | The Optical Combiner of QUBIC: The Q & U Bolometric Interferometer for Cosmology | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| De Poorter, Eli | 16 Mar 2020 | 14:30 | 14:50 | Phase-based Variant Maximum Likelihood Positioning for Passive UHF-RFID Tags | B5 | T08-A17 | Antennas and techniques for positioning and direction finding | T08 Positioning, localization & tracking / Regular Session / Antennas |
| De Poorter, Eli | 17 Mar 2020 | 13:20 | 13:20 | 60 GHz Path Loss Modelling Inside Ships | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| De Poorter, Eli | 18 Mar 2020 | 13:20 | 13:20 | Estimation of the Number of Persons in a Reverberant Environment Using Bistatic Radar | Exhibition Hall | Poster2-P12 | Poster Session 2: Radar, localisation, and sensing | Propagation |
| De Ridder, Simon | 17 Mar 2020 | 08:50 | 09:10 | Machine Learning-Based Hybrid Random-Fuzzy Modeling Framework for Antenna Design | B10 | CS39 | Machine Learning in Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| de Rijk, Emile | 17 Mar 2020 | 09:30 | 09:50 | Additive Manufacturing: Enabling Technology for Active Antennas in LEO and GEO Satellites | B5 | CS01 | Active Antennas for Onboard Space Applications | T09 Space (incl. cubesat) / Convened Session / Antennas |
| de Rosny, Julien | 17 Mar 2020 | 13:20 | 13:20 | Experimental Validation of the Concept of an OpenCage Head Coil for Ultra-High Field MRI | A2 (Poster Area) | Convened Poster 1-CS27 | Electromagnetics in MRI Applications | T05 Biomedical and health / Convened Session / Electromagnetics |
| de Rosny, Julien | 19 Mar 2020 | 13:20 | 13:20 | Reconfigurable SRR Antenna | Exhibition Hall | Poster3-A13 | Poster Session 3: Adaptive and reconfigurable antennas | Antennas |
| De Sanctis, Klaide | 17 Mar 2020 | 13:20 | 13:20 | Satellite Link-Budget Statistical Prediction from Weather Forecast Models: Verification with Hayabusa-2 Ka-band Data | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| de Villiers, Dirk | 17 Mar 2020 | 18:00 | 18:20 | Investigations of Quadruple-Ridge Flared Horn Performance for ngVLA Band 2 | B8 | CS15 | Antennas for Radio Astronomy | T09 Space (incl. cubesat) / Convened Session / Antennas |
| De Vita, Paolo | 20 Mar 2020 | 09:10 | 09:30 | Gaussian Horn Implemented by Metasurfaces | B1 | CS33 | IET Session: New Antenna Systems Involving Application of Metamaterials and Metasurfaces | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Dea, Jean-Daniel | 17 Mar 2020 | 09:10 | 09:30 | Active Antennas Radiated Spurious | B5 | CS01 | Active Antennas for Onboard Space Applications | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Debard, Alexandre | 18 Mar 2020 | 13:20 | 13:20 | Three-Element End-Fire Linear Arrays (Super) Directivity and Gain Optimization | Exhibition Hall | Poster2-A01 | Poster Session 2: Antenna theory | Antennas |
| Debbarma, Kaushik | 16 Mar 2020 | 16:20 | 16:40 | Pattern Shifting and Size Control in Offset Reflector Antennas with Microstrip Array as Matched Feed | B5 | T08-A17 | Antennas and techniques for positioning and direction finding | T08 Positioning, localization & tracking / Regular Session / Antennas |
| Debogovic, Tomislav | 16 Mar 2020 | 17:00 | 17:20 | Dual-band Polarizing Screen Based on Self-Supported Metallic Structures | B1 | SW04 | COST Session CA18223 (SyMat): Periodic Structures with Higher Symmetries | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Debogovic, Tomislav | 17 Mar 2020 | 09:30 | 09:50 | Additive Manufacturing: Enabling Technology for Active Antennas in LEO and GEO Satellites | B5 | CS01 | Active Antennas for Onboard Space Applications | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Degasperi, Andrea | 18 Mar 2020 | 13:20 | 13:20 | Improved Equivalent Norton Circuit for Pulsed Photoconductive Antennas | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Degen, Christoph | 19 Mar 2020 | 13:20 | 13:20 | On Complex Radar Cross Section and Backscatter Modulation Efficiency in RFID Systems | Exhibition Hall | Poster3-A15 | Poster Session 3: RFID antennas/sensors and systems | Antennas |
| Degli-Esposti, Vittorio | 17 Mar 2020 | 13:20 | 13:20 | Transmission Loss Evaluation for Fabry-Perot Materials' Characterization | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Degli-Esposti, Vittorio | 17 Mar 2020 | 17:40 | 18:00 | Dynamic Ray Tracing: Introduction and Concept | B7 | CS03 | Advanced Radar Measurements, Modelling and System Solutions for Vehicular Applications | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Convened Session / Measurements |
| Dehmollaian, Mojtaba | 17 Mar 2020 | 09:30 | 09:50 | IE-GSTC Analysis of Metasurface Cavities and Application to Redirection Cloaking | B9 | CS09 | Analytical and Numerical Methods for Metasurface Analysis and Design | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Del Galdo, Giovanni | 18 Mar 2020 | 11:40 | 12:00 | 3D Calibration of an Over-the-Air Testbed for GNSS CRPA Antenna Testing | A3 | CS06 | AMTA/IRACON Session: Over-The-Air Testing of 5G Radios | T02 Millimetre wave 5G / Convened Session / Measurements |
| Del Galdo, Giovanni | 18 Mar 2020 | 13:20 | 13:20 | Multi-band Characterization of Propagation in Industry Scenarios | Exhibition Hall | Poster2-P05 | Poster Session 2: Mm-wave and UWB propagation | Propagation |
| Del Galdo, Giovanni | 19 Mar 2020 | 11:00 | 11:20 | Performance of OFDMA Resource Scheduling in Joint Mobile Radio and Radar Networks | B5 | CS25 | Convergence of Mobile Radio and Radar | T08 Positioning, localization & tracking / Convened Session / Propagation |
| Del Galdo, Giovanni | 20 Mar 2020 | 08:50 | 09:10 | Characterization of the Propagation Channel in Conference Room Scenario at 190 GHz | A3 | CS37 | IRACON Spectrum Sharing: Challenges and Opportunities for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| del Hougne, Philipp | 18 Mar 2020 | 13:20 | 13:20 | Intensity-only Imaging Using Broadband Correlations in Reverberation Chambers | Exhibition Hall | Poster2-P12 | Poster Session 2: Radar, localisation, and sensing | Propagation |
| del Hougne, Philipp | 20 Mar 2020 | 08:30 | 08:50 | Diffuse Field Cross-Correlation in a Reverberation Chamber Stirred with Reconfigurable Reflectarray Metasurfaces | B5 | T11-M05 | EMI/EMC/PIM chambers, instrumentation, and measurements | T11 Fundamental research and emerging technologies / Regular Session / Measurements |

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| Del Mastro, Michele | 16 Mar 2020 | 15:10 | 15:30 | Analytic Design of Dual-Band, Dual-Polarized LP-to-CP Polarization Converters | B10 | CS24 | Controlling EM Waves with Low- and High-Dimensional Metamaterials | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Del Mastro, Michele | 17 Mar 2020 | 13:20 | 13:20 | Broadband CTS Array in PCB Technology | A2 (Poster Area) | Convened Poster 1-CS10 | Antenna Array and Integrated Systems for 5G Communication Applications | T02 Millimetre wave 5G / Convened Session / Antennas |
| Delage, Théo | 18 Mar 2020 | 13:20 | 13:20 | Design of a Tunable Subwavelength Plasma-Based Resonator for Electrically Small Antenna Applications in L-band | A2 (Poster Area) | Convened Poster 2-CS29 | Exotic Antennas from Nano to Macro Scales | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Delaveaud, Christophe | 17 Mar 2020 | 12:00 | 12:20 | Radiative Loss in Small Inverted-F Antenna Transmission Line Model | B2 | CS16 | Antennas in IoT Wireless Devices: Modelling and Industrial Considerations | T04 IoT and M2M / Convened Session / Antennas |
| Delaveaud, Christophe | 17 Mar 2020 | 17:00 | 17:20 | Frequency Reconfigurable Antenna Loaded with Magneto Dielectric Materials at VHF Band | B1 | CS58 | Reconfigurable Antennas for Compact Devices | T04 IoT and M2M / Convened Session / Antennas |
| Delaveaud, Christophe | 18 Mar 2020 | 13:20 | 13:20 | Three-Element End-Fire Linear Arrays (Super) Directivity and Gain Optimization | Exhibition Hall | Poster2-A01 | Poster Session 2: Antenna theory | Antennas |
| Delbarre, Gauthier | 20 Mar 2020 | 11:40 | 12:00 | Massive Radio Channel Sounder Architecture for 5G Mobility Scenarios: MaMIMOSA | B11 | CS20 | Assessment and Modeling of Antennas and Radio Channels Jointly | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Della Giovampaola, Cristian | 17 Mar 2020 | 17:20 | 17:40 | Reconfigurable Metasurface Antenna for 5G Base Stations | B5 | CS28 | EuMA/EurAAP Session: From Radiating Section to Digital Interface - Research and Design Trends for an End-To-End Approach of Highly Integrated Active Antenna Systems | T02 Millimetre wave 5G / Convened Session / Antennas |
| Della Giovampaola, Cristian | 18 Mar 2020 | 13:20 | 13:20 | Recent Advances on Modulated Metasurface Antennas for SatCom | A2 (Poster Area) | Convened Poster 2-CS41 | Metasurfaces for Mobile (5G and Beyond) and Satellite Communication Systems | T09 Space (incl. cubesat) / Convened Session / Antennas |
| del-Río, Carlos | 17 Mar 2020 | 13:20 | 13:20 | New Hexagonal CORPS-BFN for Multibeam Antenna Applications | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| del-Río, Carlos | 17 Mar 2020 | 13:20 | 13:20 | Analysis of Phase Evolution Impact in SIMO Operation in Distributed Transceiver Systems | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| del-Río, Carlos | 18 Mar 2020 | 13:20 | 13:20 | Transmit-array Antenna Design for Broadband Backhaul 5G Communications at WIGIG Band | A2 (Poster Area) | Convened Poster 2-CS36 | Innovative Lens Antennas for Future Communication Systems | T02 Millimetre wave 5G / Convened Session / Antennas |
| Dematties, Dario | 18 Mar 2020 | 13:20 | 13:20 | Neural Network Approach for Dielectric Characterization of Tissues in Microwave Frequencies Using Coplanar Waveguide Transmission | Exhibition Hall | Poster2-E03 | Poster Session 2: Computational and numerical techniques | Electromagnetics |
| Demers, Yves | 17 Mar 2020 | 09:10 | 09:30 | Active Antennas Radiated Spurious | B5 | CS01 | Active Antennas for Onboard Space Applications | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Demeyer, Peter | 17 Mar 2020 | 13:20 | 13:20 | Full-wave Scattering from Reflector Antennas on Electrically Large Platforms Using low-Memory Computers | Exhibition Hall | Poster1-A18 | Poster Session 1: Reflector, feed systems, and components | Antennas |
| Denidni, Tayeb A. | 17 Mar 2020 | 13:20 | 13:20 | A Millimeter-Wave Low-Profile and Metal-Only Transmitarray Antennas at 28 GHz | Exhibition Hall | Poster1-A19 | Poster Session 1: Reflect arrays and transmit arrays | Antennas |
| Denidni, Tayeb A. | 19 Mar 2020 | 13:20 | 13:20 | A New Beam-Steering Antenna with Variable Gain | Exhibition Hall | Poster3-A13 | Poster Session 3: Adaptive and reconfigurable antennas | Antennas |
| Derat, Benoit | 18 Mar 2020 | 11:20 | 11:40 | Quiet Zone Verification of Plane Wave Synthesizer Using Polar Near-Field Scanner | A3 | CS06 | AMTA/IRACON Session: Over-The-Air Testing of 5G Radios | T02 Millimetre wave 5G / Convened Session / Measurements |
| Derkach, Vadim | 18 Mar 2020 | 13:20 | 13:20 | Rotation of the Polarization Plane by Grooved Flanges in a Circular Waveguide | Exhibition Hall | Poster2-E06 | Poster Session 2: Scattering and diffraction | Electromagnetics |
| D'Errico, Raffaele | 18 Mar 2020 | 13:20 | 13:20 | Indoor mmWave Channel Characterization with Large Virtual Antenna Arrays | Exhibition Hall | Poster2-P05 | Poster Session 2: Mm-wave and UWB propagation | Propagation |
| D'Errico, Raffaele | 20 Mar 2020 | 08:50 | 09:10 | Antenna Perturbation Modelling and Impact on Radio Channel | B11 | CS20 | Assessment and Modeling of Antennas and Radio Channels Jointly | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Deruyck, Margot | 17 Mar 2020 | 13:20 | 13:20 | Combined Antenna-Channel Characterization for Wireless Communication from Horse Hoof to Base Station | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Deruyck, Margot | 20 Mar 2020 | 09:30 | 09:50 | Joint Antenna-Channel Modelling for in-to-out-Body Propagation of Dairy Cows at 868 MHz | B11 | CS20 | Assessment and Modeling of Antennas and Radio Channels Jointly | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Deschamps de Paillette, Thierry | 18 Mar 2020 | 13:20 | 13:20 | Antenna Adaptation Circuits for High Data Rate Magneto Inductive Underwater Communications | Exhibition Hall | Poster2-A02 | Poster Session 2: Antenna interactions and coupling | Antennas |
| Desogus, Francesco | 18 Mar 2020 | 10:40 | 11:00 | On the Dielectric/Thermal Characterization and Calibration of Solutions and Materials for Biomedical Applications | B6 | SW03 | COST Session CA17115 (MyWAVE): Supporting Medical Device Development via Dielectric and Thermal Tissue Characterization | T05 Biomedical and health / Convened Session / Measurements |
| Despande, Manohar | 19 Mar 2020 | 09:10 | 09:30 | Reflected Wave Fields from a Fluctuating Earth Surface - a Phase-Space Approach | B9 | T10-E05/1 | Electromagnetic Methods for Direct and Inverse Scattering Involving Stratified Media | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Dey, Ananya | 17 Mar 2020 | 17:20 | 17:40 | WBAN Channel Modeling on Electromagnetic Interaction in Biological Tissues for Estimating Path Loss Characteristics | B10 | T11-P02/1 | Channel Modelling for Massive MIMO and Near-Field Communication Systems | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Dhaene, Tom | 16 Mar 2020 | 15:10 | 15:30 | Bayesian Active Learning for Electromagnetic Structure Design | B9 | CS64 | Trends and Advances in Machine Learning for Applied Electromagnetics | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Dhaene, Tom | 17 Mar 2020 | 08:50 | 09:10 | Machine Learning-Based Hybrid Random-Fuzzy Modeling Framework for Antenna Design | B10 | CS39 | Machine Learning in Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |

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|-----------------------------|-------------|-------|-------|--|-----------------|-------------|---|--|
| Dhananjay, Aditya | 18 Mar 2020 | 13:20 | 13:20 | Characterizing 60 GHz Patch Antenna Segments for Fully Digital Transceiver | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Di Barba, Paolo | 17 Mar 2020 | 16:40 | 17:00 | Human Body Modelling for Wireless Body Area Network Optimization | B6 | SW01 | COST Session CA15104 (IRACON): Measurements and Simulations in Channel Modelling in Wireless Body Area Networks | T05 Biomedical and health / Convened Session / Propagation |
| Di Donato, Loreto | 18 Mar 2020 | 12:00 | 12:20 | Microwave Imaging Profilometry for Plasma Diagnostics | B9 | CS66 | Unconventional Techniques and Applications for Inverse Scattering Problems | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Di Donato, Loreto | 18 Mar 2020 | 13:20 | 13:20 | Electronically-Tunable Scanning Antennas by Using Slotted Rectangular Waveguides Loaded by Reconfigurable Surface Susceptances | Exhibition Hall | Poster2-A10 | Poster Session 2: Slotted-waveguide and leaky-wave antennas | Antennas |
| Di Donato, Loreto | 19 Mar 2020 | 11:00 | 11:20 | Field Focusing for Nanophotonic Engineering and Applications | B4 | CS44 | Near-Field Focusing and Pulse Generation Through Localized Waves | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Di Fabio, Saverio | 17 Mar 2020 | 13:20 | 13:20 | Satellite Link-Budget Statistical Prediction from Weather Forecast Models: Verification with Hayabusa-2 Ka-band Data | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Di Meo, Simona | 17 Mar 2020 | 11:40 | 12:00 | Potentialities of Inverse Scattering Techniques for Breast Cancer Imaging at Millimeter-Waves Frequencies | B7 | SW02 | COST Session CA17115 (MyWAVE): Developments in Electromagnetic-Based Medical Technologies | T05 Biomedical and Health / Convened Session / Electromagnetics |
| Di Meo, Simona | 18 Mar 2020 | 10:40 | 11:00 | On the Dielectric/Thermal Characterization and Calibration of Solutions and Materials for Biomedical Applications | B6 | SW03 | COST Session CA17115 (MyWAVE): Supporting Medical Device Development via Dielectric and Thermal Tissue Characterization | T05 Biomedical and health / Convened Session / Measurements |
| Di Ninni, Paola | 18 Mar 2020 | 11:20 | 11:40 | Comparison Between Measured and Simulated Antenna Patterns for a LOFAR LBA Array | B11 | T06-M10 | UAV-Based Antenna Measurements (AMTA) | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Measurements |
| Di Ninni, Paola | 18 Mar 2020 | 13:20 | 13:20 | Preliminary Analysis of the Effects of the Ground Plane on the Element Patterns of SKA1-Low | Exhibition Hall | Poster2-A02 | Poster Session 2: Antenna interactions and coupling | Antennas |
| Di Paola, Carla | 17 Mar 2020 | 09:10 | 09:30 | A Novel Lens Antenna Design Based on a Bed of Nails Metasurface for New Generation Mobile Devices | A2 | T02-A04/2 | Millimetre wave arrays for mobile terminals | T02 Millimetre wave 5G / Regular Session / Antennas |
| Di Paola, Carla | 19 Mar 2020 | 08:50 | 09:10 | Incident Power Density Assessment Study for 5G Millimeter-Wave Handset Based on Equivalent Currents Method | A3 | CS34 | IET/AMTA Session: Test and Measurement Challenges for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Measurements |
| Di, Fan | 19 Mar 2020 | 13:20 | 13:20 | A Beam Steerable Resonant Cavity Antenna Based on Tunable Partially Reflective Surface | Exhibition Hall | Poster3-A13 | Poster Session 3: Adaptive and reconfigurable antennas | Antennas |
| Diallo, Aliou | 19 Mar 2020 | 13:20 | 13:20 | Design of Compact Superdirective and Reconfigurable Array Antenna Associated with Non-Foster Elements for IoT | Exhibition Hall | Poster3-A13 | Poster Session 3: Adaptive and reconfigurable antennas | Antennas |
| Diaz-Rubio, Ana | 17 Mar 2020 | 11:00 | 11:20 | Multifunctional Nonreciprocal Metasurfaces Based on Spatiotemporal Modulation | B9 | CS09 | Analytical and Numerical Methods for Metasurface Analysis and Design | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Diaz-Rubio, Ana | 18 Mar 2020 | 11:00 | 11:20 | Temporal Modulation of Bianisotropic Metasurfaces for Unidirectional Wave Amplification | B5 | CS47 | Non-Magnetic Nonreciprocity | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Dicandia, Francesco Alessio | 18 Mar 2020 | 08:30 | 08:50 | Characteristic Mode Analysis for the Design of Nanosatellite Reconfigurable Antennas | B1 | CS45 | New Perspectives and Applications of Characteristic Mode Analysis in Antenna Design | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Diewald, Axel | 17 Mar 2020 | 17:00 | 17:20 | Extraction of Scattering Centers Using a Greedy Algorithm for Traffic Participant | B7 | CS03 | Advanced Radar Measurements, Modelling and System Solutions for Vehicular Applications | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Convened Session / Measurements |
| Ding, Can | 17 Mar 2020 | 08:50 | 09:10 | Achieving Wider Impedance Bandwidth Using Full-Wavelength Dipoles | B1 | CS38 | ISAP Session: Recent Advances in Asian Antennas and Propagation Research | T02 Millimetre wave 5G / Convened Session / Antennas |
| Ding, He | 18 Mar 2020 | 13:20 | 13:20 | Ray-tracing Based Channel Clustering and Analysis at 28 GHz in Conference Environment | Exhibition Hall | Poster2-P05 | Poster Session 2: Mm-wave and UWB propagation | Propagation |
| Ding, Shuoliang | 18 Mar 2020 | 13:20 | 13:20 | Impact of Parameters Variability on the Performances of an Implanted Antenna for Biomedical Applications | Exhibition Hall | Poster2-E03 | Poster Session 2: Computational and numerical techniques | Electromagnetics |
| Ding, Xiao | 19 Mar 2020 | 17:20 | 17:40 | Implementation Methods for Planar Wide-Angle Scanning Phased Array | A3 | CS49 | Novel Techniques for Beam Manipulation at Millimeter | T02 Millimetre wave 5G / Convened Session / Antennas |
| Ding, Xiao | 20 Mar 2020 | 12:00 | 12:20 | Asymmetric Metasurface Antenna with Opposite Currents for Wide Beam and Low Profile Wide-Angle Scanning Phased Array | B7 | T06-A11 | Aircraft antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Ding, Ziheng | 19 Mar 2020 | 13:20 | 13:20 | A Reconfigurable Antenna Array with Active Integrated Switching Network for 5G Communication | Exhibition Hall | Poster3-A14 | Poster Session 3: Active and integrated antennas | Antennas |
| Diouane, Youssef | 18 Mar 2020 | 13:20 | 13:20 | On the Use of Adjoint Methods for Refractivity Estimation in the Troposphere | Exhibition Hall | Poster2-P13 | Poster Session 2: Radio science and remote sensing | Propagation |
| Djurđević, Ana | 18 Mar 2020 | 10:40 | 11:00 | Influence of p-Refinement on Accuracy of Mode Tracking Based on Correlation of Characteristic Currents | B1 | CS45 | New Perspectives and Applications of Characteristic Mode Analysis in Antenna Design | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Döbereiner, Michael | 19 Mar 2020 | 11:00 | 11:20 | Performance of OFDMA Resource Scheduling in Joint Mobile Radio and Radar Networks | B5 | CS25 | Convergence of Mobile Radio and Radar | T08 Positioning, localization & tracking / Convened Session / Propagation |

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|-------------------------|-------------|-------|-------|---|------------------|------------------------|--|--|
| Dobrykh, Dmitry A | 17 Mar 2020 | 18:00 | 18:20 | Dynamically Reconfigurable Metamaterial-Based Scatterer | B4 | CS67 | Water-Based Microwave Devices | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Dobšiček Trefná, Hana | 20 Mar 2020 | 09:30 | 09:50 | On the Focusing Technique for Hyperthermia Treatment Planning | B2 | T05-M06 | Dosimetry, exposure, and SAR assessment | T05 Biomedical and health / Regular Session / Measurements |
| Dominguez-Bolaño, Tomás | 19 Mar 2020 | 09:30 | 09:50 | Performance of 5G Terrestrial Network Deployments for Serving UAV Communications | B7 | T06-P09 | Propagation for Unmanned Aerial Vehicles (UAVs) | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Propagation |
| Dong, Caijie | 17 Mar 2020 | 13:20 | 13:20 | Reconfigurable All-dielectric Transmission Lens for Vortex Beam Generation | Exhibition Hall | Poster1-A07 | Poster Session 1: Dielectric resonator antennas | Antennas |
| Dong, Ming | 17 Mar 2020 | 12:00 | 12:20 | An Explicit Time Domain Finite Element Boundary Integral Method with Element Level Domain Decomposition for Electromagnetic Scattering Analysis | B11 | T10-E03/1 | Computational and numerical techniques 1 | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Dong, Shi-Wei | 17 Mar 2020 | 18:00 | 18:20 | A Dual-Polarized Rectenna with High Efficiency at Low Input Power Density | A2 | T04-A20 | Wireless power transfer and inductive coupling | T04 IoT and M2M / Regular Session / Antennas |
| Dong, Wei | 19 Mar 2020 | 13:20 | 13:20 | Enhanced Double-Null Technique on General Planar Array for Two-Target Angular Resolution | Exhibition Hall | Poster3-M11 | Poster Session 3: Other measurement topics | Measurements |
| Dong, Yunfeng | 18 Mar 2020 | 13:20 | 13:20 | Wideband Tapered Slot Antenna for D-Band Applications | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Donnelly, Erin | 19 Mar 2020 | 11:20 | 11:40 | Metasurface Sensors for Healthcare Applications | B6 | T05-A12/2 | Point of Care Microwave Sensors | T05 Biomedical and health / Regular Session / Antennas |
| Donnelly, Erin | 20 Mar 2020 | 10:40 | 11:00 | Metamaterials for Electromagnetic and Thermal Waves | B1 | CS33 | IET Session: New Antenna Systems Involving Application of Metamaterials and Metasurfaces | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Dorbin, Mohammad reza | 18 Mar 2020 | 13:20 | 13:20 | A New Feed Network for the Communication Signal and Excitation of Surface-Wave-Driven Plasma Antennas | Exhibition Hall | Poster2-A01 | Poster Session 2: Antenna theory | Antennas |
| Doré, Jean-Baptiste | 17 Mar 2020 | 13:20 | 13:20 | Assessment of sub-THz Mesh Backhaul Capabilities from Realistic Modelling at the PHY Layer | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Dorn, Oliver | 19 Mar 2020 | 18:00 | 18:20 | Tracking Targets from Indirect Through-The-Wall Radar Observations | B9 | T10-E05/2 | Imaging and inverse scattering | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Dorrah, Ayman H. | 18 Mar 2020 | 13:20 | 13:20 | Peripherally Excited Phased Arrays with Practical Active Huygens' Sources and Slot Elements | A2 (Poster Area) | Convened Poster 2-CS41 | Metasurfaces for Mobile (5G and Beyond) and Satellite Communication Systems | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Dorrah, Ayman H. | 20 Mar 2020 | 12:00 | 12:20 | Realizing Antenna Arrays with Huygens' Metasurface Pairs Based on a Moment-Method-Like Design | B1 | CS33 | IET Session: New Antenna Systems Involving Application of Metamaterials and Metasurfaces | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Dou, Wenbin | 19 Mar 2020 | 13:20 | 13:20 | A Concept of Pattern-Reconfigurable Single-Element Antenna Based on Half-Mode Substrate-Integrated Cavity | Exhibition Hall | Poster3-A13 | Poster Session 3: Adaptive and reconfigurable antennas | Antennas |
| Douvenot, Rémi | 17 Mar 2020 | 13:20 | 13:20 | Validity Domain of the Odunaiya Expression for Computing the Conventional VOR Multipath Error | A2 (Poster Area) | Convened Poster 1-CS57 | Recent Research on Wind Turbines: EM Modelling and Measurements | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Douvenot, Rémi | 18 Mar 2020 | 13:20 | 13:20 | On the Use of Adjoint Methods for Refractivity Estimation in the Troposphere | Exhibition Hall | Poster2-P13 | Poster Session 2: Radio science and remote sensing | Propagation |
| Douvenot, Rémi | 20 Mar 2020 | 10:40 | 11:00 | A Speed Up of Split-Step Wavelet for the Computation of Long Range Propagation | B9 | T10-P02 | Propagation modelling and simulation | T10 EM modelling and simulation tools / Regular Session / Propagation |
| Dreyer, Nils | 16 Mar 2020 | 16:40 | 17:00 | Comparison of a Fast Analytical Ray Tracer and Channel-Sounder Measurements for V2V Communications | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Dreyer, Nils | 17 Mar 2020 | 17:20 | 17:40 | A Ray Optical Diffraction Model for Car Chassis in V2X Communication | B7 | CS03 | Advanced Radar Measurements, Modelling and System Solutions for Vehicular Applications | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Convened Session / Measurements |
| Drizdal, Tomas | 19 Mar 2020 | 11:00 | 11:20 | Characterization of an Integrated Radiofrequency System for MR-guided Hyperthermia | B7 | T11-P10 | Propagation in biological tissues | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Drysdale, Timothy D | 18 Mar 2020 | 08:30 | 08:50 | Federated Non-Traditional Practical Work for Engineering Education | B4 | CS26 | Education in Electromagnetics, Antennas, and Microwaves | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Du, Biao | 19 Mar 2020 | 13:20 | 13:20 | Roof/Side Mount Combination Antenna for LTE and Satellite Communication Applications | Exhibition Hall | Poster3-A11 | Poster Session 3: Multiband and wideband antennas | Antennas |
| Duan, Baoquan | 18 Mar 2020 | 13:20 | 13:20 | A 16x16-Element Single-Layer Full-Corporate-Fed SIW Slot Array Antenna | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Duarte, Jose Garibaldi | 20 Mar 2020 | 10:40 | 11:00 | Bioinspired Sensor for the Electrical Permittivity Characterization of Dielectric Materials | B5 | T11-M01 | Material characterisation and non-destructive testing | T11 Fundamental research and emerging technologies / Regular Session / Measurements |
| Duarte, Rafael M. | 19 Mar 2020 | 09:50 | 10:10 | Cell-Free at Millimeter Wave Frequency Simulation Using the Ray Tracing Method | B1 | T02-P02 | Millimetre wave propagation modelling | T02 Millimetre wave 5G / Regular Session / Propagation |
| Dubard, Jean-Lou | 17 Mar 2020 | 17:40 | 18:00 | Time-Domain Modeling and Simulation of EM-Fields Propagation in Anisotropic Dispersive Media with Non-Conformal Meshing | B11 | T10-E03/2 | Computational and numerical techniques 2 | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Dubois, Marc | 17 Mar 2020 | 08:30 | 08:50 | Metasurface for Dense Dipole Array Decoupling in Ultra-High Field MRI | B9 | CS09 | Analytical and Numerical Methods for Metasurface Analysis and Design | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Dubois, Marc | 17 Mar 2020 | 11:20 | 11:40 | An Artificial Shield for MRI Birdcage Coil with Constructive Interference | B9 | CS09 | Analytical and Numerical Methods for Metasurface Analysis and Design | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Dubois, Marc | 17 Mar 2020 | 13:20 | 13:20 | Hybridized Electric Dipoles Applications in Ultra-High Field MRI | A2 (Poster Area) | Convened Poster 1-CS27 | Electromagnetics in MRI Applications | T05 Biomedical and health / Convened Session / Electromagnetics |
| Dubois, Marc | 17 Mar 2020 | 13:20 | 13:20 | Experimental Validation of the Concept of an OpenCage Head Coil for Ultra-High Field MRI | A2 (Poster Area) | Convened Poster 1-CS27 | Electromagnetics in MRI Applications | T05 Biomedical and health / Convened Session / Electromagnetics |

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|------------------------|-------------|-------|-------|--|------------------|------------------------|---|--|
| Duchêne, Bernard | 17 Mar 2020 | 11:20 | 11:40 | Portable 3-D Microwave Imaging System for Cerebrovascular Diseases Monitoring | B7 | SW02 | COST Session CA17115 (MyWAVE): Developments in Electromagnetic-Based Medical Technologies | T05 Biomedical and Health / Convened Session / Electromagnetics |
| Duchesne, Luc | 17 Mar 2020 | 11:00 | 11:20 | Pilot Patient Study with the Wavelia Microwave Breast Imaging System for Breast Cancer Detection: Clinical Feasibility and Identified Technical Challenges | B6 | CS60 | Sensors and Systems for Microwave Biomedical Imaging and Sensing | T05 Biomedical and health / Convened Session / Antennas |
| Duchesne, Luc | 17 Mar 2020 | 11:20 | 11:40 | Coverage Estimation for Microwave Imaging Using Full Multistatic Radar Imaging Algorithms with Restricted Opening | B6 | CS60 | Sensors and Systems for Microwave Biomedical Imaging and Sensing | T05 Biomedical and health / Convened Session / Antennas |
| Ducournau, Guillaume | 16 Mar 2020 | 16:20 | 16:40 | Near-field Measurement and Far-field Characterization of a J-band Antenna Based on an Electro-optic Sensing | B7 | T06-M03 | Near-field, far-field, compact and RCS range measurement techniques | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Measurements |
| Ducournau, Guillaume | 19 Mar 2020 | 11:20 | 11:40 | Portable, Freehand System for Antenna Diagnosis Using Amplitude-Only Data | B10 | CS07 | AMTA/EurAAP Session: Post Processing Techniques in Antenna Measurements | T11 Fundamental research and emerging technologies / Convened Session / Measurements |
| Dumanli, Sema | 16 Mar 2020 | 17:00 | 17:20 | A Biodegradable Implant Antenna Detecting Post-Surgical Infection | B6 | T05-A12/1 | Wearable and implantable antennas | T05 Biomedical and health / Regular Session / Antennas |
| Dunlop, Gary | 19 Mar 2020 | 13:20 | 13:20 | A 915 MHz Wristwatch-Integrated Antenna for Wireless Health Monitoring | Exhibition Hall | Poster3-A12 | Poster Session 3: Wearable and implantable antennas | Antennas |
| Dunne, Eoghan | 17 Mar 2020 | 09:50 | 10:10 | Monitoring Microwave Thermal Ablation Using Electrical Impedance Tomography: An Experimental Feasibility Study | B7 | SW02 | COST Session CA17115 (MyWAVE): Developments in Electromagnetic-Based Medical Technologies | T05 Biomedical and Health / Convened Session / Electromagnetics |
| Dupleich, Diego | 18 Mar 2020 | 13:20 | 13:20 | Multi-band Characterization of Propagation in Industry Scenarios | Exhibition Hall | Poster2-P05 | Poster Session 2: Mm-wave and UWB propagation | Propagation |
| Dupleich, Diego | 20 Mar 2020 | 08:50 | 09:10 | Characterization of the Propagation Channel in Conference Room Scenario at 190 GHz | A3 | CS37 | IRACON Spectrum Sharing: Challenges and Opportunities for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Dupuy, David | 17 Mar 2020 | 08:30 | 08:50 | Active Antenna Developments, Challenges and the Future | B5 | CS01 | Active Antennas for Onboard Space Applications | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Duraj, Damian | 16 Mar 2020 | 17:20 | 17:40 | RSS-Based DoA Estimation Using ESPAR Antenna for V2X Applications in 802.11P Frequency Band | B5 | T08-A17 | Antennas and techniques for positioning and direction finding | T08 Positioning, localization & tracking / Regular Session / Antennas |
| Durant, Antoine | 19 Mar 2020 | 11:20 | 11:40 | Metasurface Sensors for Healthcare Applications | B6 | T05-A12/2 | Point of Care Microwave Sensors | T05 Biomedical and health / Regular Session / Antennas |
| Durant, Antoine | 20 Mar 2020 | 10:40 | 11:00 | Metamaterials for Electromagnetic and Thermal Waves | B1 | CS33 | IET Session: New Antenna Systems Involving Application of Metamaterials and Metasurfaces | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Durochat, Clément | 17 Mar 2020 | 13:20 | 13:20 | A Nesting Approach for the Numerical Analysis of MRI Birdcage Antennas in the Presence of the Human Head | A2 (Poster Area) | Convened Poster 1-CS27 | Electromagnetics in MRI Applications | T05 Biomedical and health / Convened Session / Electromagnetics |
| Dusopt, Laurent | 17 Mar 2020 | 13:20 | 13:20 | Highly Integrable High Gain Substrate-integrated Planar Lens for Wide D-band Applications | Exhibition Hall | Poster1-A09 | Poster Session 1: Lens antennas | Antennas |
| Dyrby, Tim | 17 Mar 2020 | 13:20 | 13:20 | Design and Implementation of Solenoid and Alderman-Grant Coils for Magnetic Resonance Microscopy at 7T | A2 (Poster Area) | Convened Poster 1-CS27 | Electromagnetics in MRI Applications | T05 Biomedical and health / Convened Session / Electromagnetics |
| Earl, Simeon | 19 Mar 2020 | 13:20 | 13:20 | Impact of Lightning Diverter Strips on Antenna Radiation Patterns | Exhibition Hall | Poster3-M07 | Poster Session 3: Satellite and aerospace antenna characterisation | Measurements |
| Ebrahim, Tameez | 18 Mar 2020 | 13:20 | 13:20 | A Parallelized Fast Array Analysis Approach | Exhibition Hall | Poster2-E03 | Poster Session 2: Computational and numerical techniques | Electromagnetics |
| Ebrahimizadeh, Javad | 16 Mar 2020 | 14:50 | 15:10 | Miniaturized CPW-fed Bowtie Slot Antenna for Wearable Biomedical Application | B6 | T05-A12/1 | Wearable and implantable antennas | T05 Biomedical and health / Regular Session / Antennas |
| Ebrahimizadeh, Javad | 18 Mar 2020 | 13:20 | 13:20 | A New Focused Hyperthermia Based on SpaceFrequency DORT | Exhibition Hall | Poster2-E05 | Poster Session 2: Imaging and inverse scattering | Electromagnetics |
| Ebrahimizadeh, Javad | 18 Mar 2020 | 13:20 | 13:20 | Pathloss Calculation for Fat-Intra Body Communication Using Poynting Vector Theory | Exhibition Hall | Poster2-P10 | Poster Session 2: Propagation in biological tissues and body-area propagation | Propagation |
| Ebrahimizadeh, Javad | 19 Mar 2020 | 09:10 | 09:30 | Clustering of Dielectric and Colour Profiles of an Ex-vivo Burnt Human Skin Sample | B6 | T05-A12/2 | Point of Care Microwave Sensors | T05 Biomedical and health / Regular Session / Antennas |
| Ebrahimizadeh, Javad | 19 Mar 2020 | 09:30 | 09:50 | Non-Invasive Transmission Based Tumor Detection Using Anthropomorphic Breast Phantom at 2.45 GHz | B6 | T05-A12/2 | Point of Care Microwave Sensors | T05 Biomedical and health / Regular Session / Antennas |
| Ebrahimizadeh, Javad | 19 Mar 2020 | 10:40 | 11:00 | Low Profile Implantable Antenna for Fat Intra-Body Communication | B6 | T05-A12/2 | Point of Care Microwave Sensors | T05 Biomedical and health / Regular Session / Antennas |
| Ebrahimizadeh, Javad | 19 Mar 2020 | 13:20 | 13:20 | Design of Constant Width Branch Line Directional Coupler for the Microwave Sensing Application | Exhibition Hall | Poster3-M11 | Poster Session 3: Other measurement topics | Measurements |
| Ebrahimizadeh, Javad | 19 Mar 2020 | 13:20 | 13:20 | Reflectometry Enhancement by Saline Injection in Microwave-based Skin Burn Injury Diagnosis | Exhibition Hall | Poster3-M11 | Poster Session 3: Other measurement topics | Measurements |
| Ebrahimpouri, Mahsa | 16 Mar 2020 | 14:10 | 14:30 | Ultra-Wide Band Non-Dispersive Leaky-Wave Antenna Based on Glide-Symmetric Meandered Transmission Lines | B1 | SW04 | COST Session CA18223 (SyMat): Periodic Structures with Higher Symmetries | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Ebrahimzadeh, Ataollah | 18 Mar 2020 | 13:20 | 13:20 | Optimal Beamforming Using Clustered Evolutionary Teaching and Learning | Exhibition Hall | Poster2-E04 | Poster Session 2: Optimisation methods in EM | Electromagnetics |
| Eckhardt, Johannes M. | 17 Mar 2020 | 17:20 | 17:40 | A Ray Optical Diffraction Model for Car Chassis in V2X Communication | B7 | CS03 | Advanced Radar Measurements, Modelling and System Solutions for Vehicular Applications | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Convened Session / Measurements |
| Eckhardt, Johannes M. | 18 Mar 2020 | 13:20 | 13:20 | Measurements of Reflection and Penetration Losses in Low Terahertz Band Vehicular Communications | Exhibition Hall | Poster2-P09 | Poster Session 2: Propagation for vehicular communications | Propagation |

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|-------------------------|-------------|-------|-------|---|------------------|------------------------|--|--|
| Eder, Valentin | 19 Mar 2020 | 17:00 | 17:20 | Calibrating Ka Band Satellite Down-Link Modem Measurements for Rainfall Monitoring | B8 | T09-P13 | Propagation Aspects in Remote Sensing | T09 Space (incl. cubesat) / Regular Session / Propagation |
| Ederra, Iñigo | 17 Mar 2020 | 13:20 | 13:20 | New Hexagonal CORPS-BFN for Multibeam Antenna Applications | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Ederra, Iñigo | 18 Mar 2020 | 10:40 | 11:00 | Comparison of Modified Soret Lenses for Dual Band Integrated Detectors | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Ederra, Iñigo | 18 Mar 2020 | 13:20 | 13:20 | A Gap Waveguide Fed Circular Polarization Antennas in the Millimeter Wave Range | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Ederra, Iñigo | 19 Mar 2020 | 13:20 | 13:20 | Design of Multiband Conformal Antenna for Sounding Rocket | Exhibition Hall | Poster3-A06 | Poster Session 3: Conformal antennas | Antennas |
| Edgerton, Michael | 16 Mar 2020 | 14:50 | 15:10 | Experimental Comparison of Vehicular Antenna Measurements Performed over Different Floors | B7 | CS05 | AMTA Session: Automotive Antenna Measurements and Testing | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Convened Session / Measurements |
| Edwards, Robert Michael | 16 Mar 2020 | 16:40 | 17:00 | Applications of Mixed Powder Dielectrics in Prototype 2.45GHz Pendant Antenna Design and Manufacture | B6 | T05-A12/1 | Wearable and implantable antennas | T05 Biomedical and health / Regular Session / Antennas |
| Edwards, Robert Michael | 19 Mar 2020 | 13:20 | 13:20 | An Enhanced Road Vehicle Positioning Method Using Roadside Furniture with Radio Frequency Identity Tags and the EPC Gen2 Standard | Exhibition Hall | Poster3-A15 | Poster Session 3: RFID antennas/sensors and systems | Antennas |
| Eesuola, Akinola | 18 Mar 2020 | 13:20 | 13:20 | A Low Cost Stable Adipose Phantom for Microwave Breast Cancer Investigation | Exhibition Hall | Poster2-P10 | Poster Session 2: Propagation in biological tissues and body-area propagation | Propagation |
| Efrem, Christos N. | 17 Mar 2020 | 11:00 | 11:20 | Cloud Free LOS Probability Estimation for MEO Optical Satellite Systems and Optical Satellite Network Dimensioning | B8 | T09-P08 | Satellite propagation | T09 Space (incl. cubesat) / Regular Session / Propagation |
| Egels, Matthieu | 17 Mar 2020 | 17:00 | 17:20 | Design of a Resistant Circularly Polarized Tag Antenna with High Performances in the EU UHF RFID Band | B2 | T04-A15 | RFID and backscattering antennas | T04 IoT and M2M / Regular Session / Antennas |
| Eggers, Patrick | 17 Mar 2020 | 13:20 | 13:20 | Wind Turbine Blade Deflection Sensing Using Blade-Mounted Ultrawideband Antennas | A2 (Poster Area) | Convened Poster 1-CS57 | Recent Research on Wind Turbines: EM Modelling and Measurements | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Ehrenborg, Casimir | 20 Mar 2020 | 11:40 | 12:00 | Q-factor Bounds for MIMO Antennas | B10 | CS11 | Antenna Design and Fundamental Bounds with External Constraints | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Ehsan, Aqsa | 19 Mar 2020 | 09:50 | 10:10 | Space-Fractional Bessel Beams with Self-Healing and Diffraction-Free Propagation Characteristics | B4 | CS44 | Near-Field Focusing and Pulse Generation Through Localized Waves | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Eibert, Thomas F. | 16 Mar 2020 | 13:50 | 14:10 | Exploiting Spatial Derivative Information in Phaseless Near-Field Far-Field Transformations | B7 | CS05 | AMTA Session: Automotive Antenna Measurements and Testing | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Convened Session / Measurements |
| Eibert, Thomas F. | 17 Mar 2020 | 16:40 | 17:00 | Asymptotic Expansion of the Reciprocity Integral in a Bidirectional Ray-Tracing Approach | B9 | CS32 | High-Frequency Methods and Applications | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Eibert, Thomas F. | 18 Mar 2020 | 10:40 | 11:00 | Versatile Low-Cost and Light-Weight RF Equipment for Field Measurements | B11 | T06-M10 | UAV-Based Antenna Measurements (AMTA) | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Measurements |
| Eibert, Thomas F. | 18 Mar 2020 | 11:00 | 11:20 | RF-Signal Receiver for UAV-Based Characterisation of Aeronautical Navigation Systems | B11 | T06-M10 | UAV-Based Antenna Measurements (AMTA) | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Measurements |
| Eibert, Thomas F. | 19 Mar 2020 | 11:00 | 11:20 | Suppressing Undesired Echoes by Sparsity Based Time Gating of Reconstructed Sources | B10 | CS07 | AMTA/EurAAP Session: Post Processing Techniques in Antenna Measurements | T11 Fundamental research and emerging technologies / Convened Session / Measurements |
| Eibert, Thomas F. | 19 Mar 2020 | 08:30 | 08:50 | Numerical Synthesis of Translation Operators for the Multi-Level Fast Multipole Method | B8 | CS30 | Fundamental Challenges and Novel Methodologies in the Next-Generation Computational Electromagnetics | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Eibert, Thomas F. | 19 Mar 2020 | 17:00 | 17:20 | Improved-Reliability Phase-Retrieval with Broadband Antenna Measurements | B10 | CS48 | Novel Antenna Measurement Data Analysis and Techniques | T11 Fundamental research and emerging technologies / Convened Session / Measurements |
| Eibert, Thomas F. | 19 Mar 2020 | 17:00 | 17:20 | A Coarse-fine Mesh Approach for Improved Solution of 3-D Inverse Problems in Unbounded Media | B9 | T10-E05/2 | Imaging and inverse scattering | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Eichler, Taro | 17 Mar 2020 | 11:20 | 11:40 | Measurement and Characterization of an Indoor Industrial Environment at 3.7 and 28 GHz | A3 | CS35 | IET/IRACON Session: Propagation Measurements and Modelling for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Eid, Aline | 18 Mar 2020 | 11:40 | 12:00 | Flexible Antenna Design with Characteristic Modes | B1 | CS45 | New Perspectives and Applications of Characteristic Mode Analysis in Antenna Design | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Eide, Egil | 16 Mar 2020 | 16:20 | 16:40 | Bi-directional Vehicle-to-Vehicle Radio Channel Characteristics over Bridge at 5.9 GHz | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Einarsson, Erik | 17 Mar 2020 | 13:20 | 13:20 | Design and Operation of a Smart Graphene-Metal Hybrid Reflectarray at THz Frequencies | Exhibition Hall | Poster1-A19 | Poster Session 1: Reflect arrays and transmit arrays | Antennas |
| Eisenbeis, Joerg | 16 Mar 2020 | 16:00 | 16:20 | Dual-Polarized Dielectric Resonator Antenna Array for 5G Mobile Radio Base Stations | A2 | T02-A04/1 | Millimetre wave arrays for mobile communications | T02 Millimetre wave 5G / Regular Session / Antennas |
| Eisenbeis, Joerg | 18 Mar 2020 | 13:20 | 13:20 | Broadband Dual-Polarized Stacked Microstrip Antenna with Pin-And Edge-Feed for 5G Applications in Ka-Band | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Ejiri, Keisuke | 17 Mar 2020 | 16:40 | 17:00 | Floquet Mode Analysis on Groove Gap Waveguide | B11 | T10-E03/2 | Computational and numerical techniques 2 | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Ekman, Torbjörn | 16 Mar 2020 | 16:20 | 16:40 | Bi-directional Vehicle-to-Vehicle Radio Channel Characteristics over Bridge at 5.9 GHz | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Ekman, Torbjörn | 17 Mar 2020 | 13:20 | 13:20 | Achievable Synchronisation Gain in Uncalibrated Large Scale Antenna Systems | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |

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|--------------------------|-------------|-------|-------|--|------------------|------------------------|---|---|
| El Bakkali, Mohamed | 17 Mar 2020 | 17:20 | 17:40 | Effect of Bending on a Textile UHF-RFID Tag Antenna | B2 | T04-A15 | RFID and backscattering antennas | T04 IoT and M2M / Regular Session / Antennas |
| El Hajj, Marwan | 17 Mar 2020 | 13:20 | 13:20 | Measurements of a Dynamic 60 GHz Radio Channel in an Open-Space Office | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| El Mrabet, Otman | 17 Mar 2020 | 17:20 | 17:40 | Effect of Bending on a Textile UHF-RFID Tag Antenna | B2 | T04-A15 | RFID and backscattering antennas | T04 IoT and M2M / Regular Session / Antennas |
| El Zein, Ghais | 17 Mar 2020 | 13:20 | 13:20 | Measurements of a Dynamic 60 GHz Radio Channel in an Open-Space Office | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Elahi, Muhammad Adnan | 18 Mar 2020 | 11:40 | 12:00 | Microwave Calcaneus Phantom for Bone Imaging Applications | B6 | SW03 | COST Session CA17115 (MyWAVE): Supporting Medical Device Development via Dielectric and Thermal Tissue Characterization | T05 Biomedical and health / Convened Session / Measurements |
| El-Ali, Irina | 19 Mar 2020 | 09:10 | 09:30 | Clustering of Dielectric and Colour Profiles of an Ex-vivo Burnt Human Skin Sample | B6 | T05-A12/2 | Point of Care Microwave Sensors | T05 Biomedical and health / Regular Session / Antennas |
| Eleftheriades, George V. | 18 Mar 2020 | 13:20 | 13:20 | Peripherally Excited Phased Arrays with Practical Active Huygens' Sources and Slot Elements | A2 (Poster Area) | Convened Poster 2-CS41 | Metasurfaces for Mobile (5G and Beyond) and Satellite Communication Systems | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Eleftheriades, George V. | 19 Mar 2020 | 09:10 | 09:30 | Reconfigurable Leaky-wave Antennas with Independent Control of the Leakage Constant and Radiation Angle | B2 | CS46 | New Trends in Leaky Wave Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Eleftheriades, George V. | 20 Mar 2020 | 12:00 | 12:20 | Realizing Antenna Arrays with Huygens' Metasurface Pairs Based on a Moment-Method-Like Design | B1 | CS33 | IET Session: New Antenna Systems Involving Application of Metamaterials and Metasurfaces | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Eleftheriades, George V. | 16 Mar 2020 | 13:30 | 13:50 | Dual-band Anomalous Reflection with Interleaved Metagratings | B11 | T11-E08 | Metamaterials, metasurfaces and advanced materials | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| El-Faitori, Saied | 17 Mar 2020 | 12:00 | 12:20 | Path Loss Models and Delay Spread Parameters for the Millimetre Wave Channel in Indoor Environments | A3 | CS35 | IET/IRACON Session: Propagation Measurements and Modelling for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Elfeki, Imene | 18 Mar 2020 | 11:20 | 11:40 | Harness Connection and Immediate Environment Impact on RF Automotive Receivers Antenna BW | B7 | T06-A17 | Automotive antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Elfergani, Issa | 17 Mar 2020 | 09:10 | 09:30 | Compact Millimeter-Wave MIMO Antenna for 5G Applications | B10 | CS39 | Machine Learning in Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Elfergani, Issa | 17 Mar 2020 | 09:50 | 10:10 | A Doherty Power Amplifier Based on the Harmonic Generating Mechanism | B10 | CS39 | Machine Learning in Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Elfergani, Issa | 17 Mar 2020 | 11:20 | 11:40 | A Compact Frequency Reconfigurable DRA for GSM, LTE, and 5G Applications Services | B10 | CS39 | Machine Learning in Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Elfergani, Issa | 17 Mar 2020 | 12:00 | 12:20 | Mutual Coupling Effect on Three-Way Doherty Amplifier for Green Compact Mobile Communications | B10 | CS39 | Machine Learning in Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Elfergani, Issa | 20 Mar 2020 | 11:20 | 11:40 | New High-Gain Differential-Fed Dual-Polarized Filtering Microstrip Antenna for 5G Applications | A2 | T01-A22 | MIMO, diversity, smart antennas & signal processing | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Elfström, Torbjörn | 19 Mar 2020 | 11:20 | 11:40 | 5G Over-the-Air Conformance Testing | A3 | CS34 | IET/AMTA Session: Test and Measurement Challenges for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Measurements |
| El-Hajj, Ali | 19 Mar 2020 | 08:50 | 09:10 | An NRW Extension for Dielectric Characterization of Arbitrary Length Low-Loss Materials | B6 | T05-A12/2 | Point of Care Microwave Sensors | T05 Biomedical and health / Regular Session / Antennas |
| Eliasch, Christian | 19 Mar 2020 | 11:40 | 12:00 | Accuracy Requirements for Cooperative Radar with Sensor Fusion | B5 | CS25 | Convergence of Mobile Radio and Radar | T08 Positioning, localization & tracking / Convened Session / Propagation |
| Elsaadouny, Mostafa | 18 Mar 2020 | 13:20 | 13:20 | Extracting the Features of the Shallowly Buried Objects Using LeNet Convolutional Network | Exhibition Hall | Poster2-P12 | Poster Session 2: Radar, localisation, and sensing | Propagation |
| Elzwawi, Ghada | 19 Mar 2020 | 13:20 | 13:20 | A New Beam-Steering Antenna with Variable Gain | Exhibition Hall | Poster3-A13 | Poster Session 3: Adaptive and reconfigurable antennas | Antennas |
| Emadeddin, Ahmad | 17 Mar 2020 | 13:20 | 13:20 | Antenna-Amplifier Co-design: On a Method to Shape the Antenna Impedance | A2 (Poster Area) | Convened Poster 1-CS10 | Antenna Array and Integrated Systems for 5G Communication Applications | T02 Millimetre wave 5G / Convened Session / Antennas |
| Emanuelsson, Thomas | 17 Mar 2020 | 13:20 | 13:20 | 5G Wideband Magneto-Electric Dipole Antenna Fed by a Single-Layer Corporate-Feed Network Based on Ridge Gap Waveguide | A2 (Poster Area) | Convened Poster 1-CS10 | Antenna Array and Integrated Systems for 5G Communication Applications | T02 Millimetre wave 5G / Convened Session / Antennas |
| Emanuelsson, Thomas | 17 Mar 2020 | 13:20 | 13:20 | Microstrip to Ridge Gap Waveguide Transition for 28 GHz Steerable Slot Array Antennas | A2 (Poster Area) | Convened Poster 1-CS18 | Applications of mm-Wave Gap Waveguide Technology-I | T02 Millimetre wave 5G / Convened Session / Antennas |
| Emanuelsson, Thomas | 18 Mar 2020 | 13:20 | 13:20 | Antenna Mutual Coupling Effects in Highly Integrated Transmitter Arrays | Exhibition Hall | Poster2-A02 | Poster Session 2: Antenna interactions and coupling | Antennas |
| Emara, Mohamed K. | 18 Mar 2020 | 13:20 | 13:20 | Millimeter-wave Bandpass Frequency Selective Structure Using Stacked Dielectric Slabs | Exhibition Hall | Poster2-E07 | Poster Session 2: Frequency and polarization selective surfaces | Electromagnetics |
| Emara, Mohamed K. | 19 Mar 2020 | 13:20 | 13:20 | All-Dielectric Huygens' Metasurface Pair for mm-Wave Circularly-Polarized Beam-Forming | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Emara, Mohamed K. | 19 Mar 2020 | 18:00 | 18:20 | Multi-Port Leaky-Wave Antennas as Real-Time Analog Spectral Decomposers | B2 | T02-A10 | Leaky-wave and Traveling-wave Antennas | T02 Millimetre wave 5G / Regular Session / Antennas |
| Encinar, Jose A. | 17 Mar 2020 | 13:20 | 13:20 | Tunable Dichroic Cell for Multi-band Reflector Antenna System | Exhibition Hall | Poster1-A18 | Poster Session 1: Reflector, feed systems, and components | Antennas |
| Encinar, Jose A. | 18 Mar 2020 | 09:10 | 09:30 | Preliminary Simulations of a 1.8-M Parabolic Reflectarray in a Geostationary Satellite to Generate a Complete Multi-Spot Coverage for Tx | A2 | T09-A19 | Reflect arrays and transmit arrays | T09 Space (incl. cubesat) / Regular Session / Antennas |

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| Encinar, Jose A. | 18 Mar 2020 | 10:40 | 11:00 | Bandwidth Improvement of Reflectarray Cells Using Variable Rotation Technique at Two Frequencies for Dual Circular Polarization | A2 | T09-A19 | Reflect arrays and transmit arrays | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Encinar, Jose A. | 18 Mar 2020 | 11:00 | 11:20 | Design of a Wideband Linear-to-Circular Polarizing Reflector for Ka-band Satellite Applications | A2 | T09-A19 | Reflect arrays and transmit arrays | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Endo, Akira | 18 Mar 2020 | 13:20 | 13:20 | Wideband Superconducting Integrated Filter-bank for THz Astronomy | Exhibition Hall | Poster2-P13 | Poster Session 2: Radio science and remote sensing | Propagation |
| Enoch, Stefan | 17 Mar 2020 | 08:30 | 08:50 | Metasurface for Dense Dipole Array Decoupling in Ultra-High Field MRI | B9 | CS09 | Analytical and Numerical Methods for Metasurface Analysis and Design | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Enoch, Stefan | 17 Mar 2020 | 11:20 | 11:40 | An Artificial Shield for MRI Birdcage Coil with Constructive Interference | B9 | CS09 | Analytical and Numerical Methods for Metasurface Analysis and Design | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Enoch, Stefan | 17 Mar 2020 | 13:20 | 13:20 | Hybridized Electric Dipoles Applications in Ultra-High Field MRI | A2 (Poster Area) | Convened Poster 1-CS27 | Electromagnetics in MRI Applications | T05 Biomedical and health / Convened Session / Electromagnetics |
| Ericsson, Andreas | 19 Mar 2020 | 17:00 | 17:20 | Design of Advanced Reflectarrays for Future CubeSat Applications | B11 | SW05 | ESA Session: Selected Papers from the 40th ESA Workshop on Antenna Developments for Terrestrial and Small-Space Platforms | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Eriksrød, Jon Håvard H | 17 Mar 2020 | 13:20 | 13:20 | Complex Dielectric Constant of Wet Snow Using Bi-Static Synthetic Aperture Radar | A2 (Poster Area) | Convened Poster 1-CS08 | Analysis, Design and Use of Microwave Techniques, Models, Systems, and Antennas for Snowpack Avalanches Monitoring | T08 Positioning, localization & tracking / Convened Session / Propagation |
| Eriksson, Thomas | 19 Mar 2020 | 10:40 | 11:00 | Over-the-air Investigation of Transmitter and Receiver Nonlinear Distortion Using a Mm-Wave MIMO Testbed | A3 | CS34 | IET/AMTA Session: Test and Measurement Challenges for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Measurements |
| Eriksson, Thomas | 20 Mar 2020 | 10:40 | 11:00 | Array Configuration Effect on the Spatial Correlation of MU-MIMO Channels in NLoS Environments | A2 | T01-A22 | MIMO, diversity, smart antennas & signal processing | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Erni, Daniel | 16 Mar 2020 | 16:00 | 16:20 | A Method of Side-lobe Suppression for Reactance Modulated Antennas | B5 | T08-A17 | Antennas and techniques for positioning and direction finding | T08 Positioning, localization & tracking / Regular Session / Antennas |
| Eskandari, Hossein | 16 Mar 2020 | 14:50 | 15:10 | Design of an Impedance-Matched Horn Antenna with Enhanced Directivity Using Conformal Transformation Optics | B8 | T09-A09 | Millimetre wave lens antennas for space applications | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Espin Lopez, Pedro Fidel | 17 Mar 2020 | 13:20 | 13:20 | Identification of Multi-Temporal Snow Melting Patterns with Microwave Radars | A2 (Poster Area) | Convened Poster 1-CS08 | Analysis, Design and Use of Microwave Techniques, Models, Systems, and Antennas for Snowpack Avalanches Monitoring | T08 Positioning, localization & tracking / Convened Session / Propagation |
| Espinosa, Hugo G | 18 Mar 2020 | 08:50 | 09:10 | Teaching Wireless Communications Courses: An Experiential Learning Approach | B4 | CS26 | Education in Electromagnetics, Antennas, and Microwaves | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Espinosa, Hugo G | 19 Mar 2020 | 13:20 | 13:20 | E-Field Distribution in Ex-Vivo Porcine Skin Layer from a Subsurface UHF Transmitter | Exhibition Hall | Poster3-A12 | Poster Session 3: Wearable and implantable antennas | Antennas |
| Esposito, Giuseppe | 19 Mar 2020 | 09:10 | 09:30 | Micro-UAV Radar Imaging via DGPS and Microwave Tomography | B7 | T06-P09 | Propagation for Unmanned Aerial Vehicles (UAVs) | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Propagation |
| Esselle, Karu | 16 Mar 2020 | 14:30 | 14:50 | Robustness Analysis of the Polymer-Conductive-Mesh Composite for the Realization of Transparent and Flexible Wearable Antennas | B6 | T05-A12/1 | Wearable and implantable antennas | T05 Biomedical and health / Regular Session / Antennas |
| Esselle, Karu | 18 Mar 2020 | 11:20 | 11:40 | A Low-Profile and Efficient Front-End Antenna for Point-to-Point Wireless Communication Links | A2 | T09-A19 | Reflect arrays and transmit arrays | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Esselle, Karu | 19 Mar 2020 | 15:30 | 16:10 | Mobile Satellite Communication Terminals - State of the Art and Antenna Challenges | A2 | IS-Thu 1/2 | Invited Speaker Session | Antennas |
| Estatico, Claudio | 17 Mar 2020 | 10:40 | 11:00 | A Tomographic Multistatic System for Biomedical Microwave Sensing | B6 | CS60 | Sensors and Systems for Microwave Biomedical Imaging and Sensing | T05 Biomedical and health / Convened Session / Antennas |
| Estatico, Claudio | 18 Mar 2020 | 08:50 | 09:10 | Inverse Scattering in the Framework of Unconventional Lebesgue Spaces: A Case Study | B9 | CS66 | Unconventional Techniques and Applications for Inverse Scattering Problems | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Estebe, Eric | 16 Mar 2020 | 16:20 | 16:40 | Preliminary Co-Design of L and X-band Stacked Arrays with Scanning Capabilities | B4 | T07-A17 | Multiband, wideband and array antennas | T07 Defence and security / Regular Session / Antennas |
| Estrada, John | 16 Mar 2020 | 14:50 | 15:10 | Experimental Comparison of Vehicular Antenna Measurements Performed over Different Floors | B7 | CS05 | AMTA Session: Automotive Antenna Measurements and Testing | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Convened Session / Measurements |
| Estrada, John | 16 Mar 2020 | 16:00 | 16:20 | Experimental Validation of the Translated-SWE Technique Applied to Automotive Measurements over PEC-Floor at Arbitrary Height | B7 | T06-M03 | Near-field, far-field, compact and RCS range measurement techniques | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Measurements |
| Etchegoyen, Alberto | 18 Mar 2020 | 11:00 | 11:20 | The Optical Combiner of QUBIC: The Q & U Bolometric Interferometer for Cosmology | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Ettorre, Mauro | 16 Mar 2020 | 13:30 | 13:50 | Quasi-Optical Excitation of a Circularly-Polarized Metasurface Antenna at K-band | B2 | CS21 | Challenges in Leaky Wave Antennas and Novel Approaches to Solve Them | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Ettorre, Mauro | 16 Mar 2020 | 13:50 | 14:10 | Broadband Offset-Reflector Beamformer on BCB in the 300-GHz Band | B10 | CS24 | Controlling EM Waves with Low- and High-Dimensional Metamaterials | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Ettorre, Mauro | 16 Mar 2020 | 15:10 | 15:30 | Analytic Design of Dual-Band, Dual-Polarized LP-to-CP Polarization Converters | B10 | CS24 | Controlling EM Waves with Low- and High-Dimensional Metamaterials | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |

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|--------------------------------|-------------|-------|-------|---|------------------|------------------------|--|--|
| Ettorre, Mauro | 16 Mar 2020 | 14:10 | 14:30 | Ultra-Wide Band Non-Dispersive Leaky-Wave Antenna Based on Glide-Symmetric Meandered Transmission Lines | B1 | SW04 | COST Session CA18223 (SyMat): Periodic Structures with Higher Symmetries | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Ettorre, Mauro | 17 Mar 2020 | 13:20 | 13:20 | Broadband CTS Array in PCB Technology | A2 (Poster Area) | Convened Poster 1-CS10 | Antenna Array and Integrated Systems for 5G Communication Applications | T02 Millimetre wave 5G / Convened Session / Antennas |
| Ettorre, Mauro | 18 Mar 2020 | 08:30 | 08:50 | Towards a Si/GaAs Based Flat-Panel Quasi-Optical Metasurface Antenna with Switchable Beam Characteristics | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Ettorre, Mauro | 18 Mar 2020 | 13:20 | 13:20 | Parallel-Plate Waveguide Lens for Mechanical Beam Scanning Using Gap Waveguide Feed System | A2 (Poster Area) | Convened Poster 2-CS36 | Innovative Lens Antennas for Future Communication Systems | T02 Millimetre wave 5G / Convened Session / Antennas |
| Ettorre, Mauro | 19 Mar 2020 | 08:50 | 09:10 | Terahertz X-wave Launchers by Metallic Spline-Profiled Horns | B4 | CS44 | Near-Field Focusing and Pulse Generation Through Localized Waves | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Evangelista, Thamyris da Silva | 18 Mar 2020 | 13:20 | 13:20 | Dual-Band Band-Pass Frequency Selective Surface Based on the Matryoshka Geometry with Angular Stability and Polarization Independence | Exhibition Hall | Poster2-E07 | Poster Session 2: Frequency and polarization selective surfaces | Electromagnetics |
| Excell, Peter S | 17 Mar 2020 | 08:30 | 08:50 | Machine Learning-assisted Antenna Design Optimization: A Review and the State-of-the-art | B10 | CS39 | Machine Learning in Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Expósito, Isabel | 19 Mar 2020 | 13:20 | 13:20 | L/S & C Band Medium Gain Ridge Horn Intercomparison Campaign Results | Exhibition Hall | Poster3-M10 | Poster Session 3: General antenna measurements | Measurements |
| Eyraud, Christelle | 19 Mar 2020 | 09:30 | 09:50 | Towards Asteroid Tomography: Modellings and Measurements Using an Analogue Model | B9 | T10-E05/1 | Electromagnetic Methods for Direct and Inverse Scattering Involving Stratified Media | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Facco, Rodrigo | 18 Mar 2020 | 13:20 | 13:20 | Compact UHF Printed Antennas for Nano-Satellites | Exhibition Hall | Poster2-A08 | Poster Session 2: Electrically small antennas | Antennas |
| Faenger, Bernd | 17 Mar 2020 | 11:40 | 12:00 | Investigation of Influences on the Detectability of Magnetic Nanoparticles by Means of Microwaves for Biomedical Applications | B6 | CS60 | Sensors and Systems for Microwave Biomedical Imaging and Sensing | T05 Biomedical and health / Convened Session / Antennas |
| Faenzi, Marco | 16 Mar 2020 | 13:30 | 13:50 | Quasi-Optical Excitation of a Circularly-Polarized Metasurface Antenna at K-band | B2 | CS21 | Challenges in Leaky Wave Antennas and Novel Approaches to Solve Them | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Faenzi, Marco | 16 Mar 2020 | 14:50 | 15:10 | A Method for Extending the Bandwidth of Modulated Metasurface Antennas | B10 | CS24 | Controlling EM Waves with Low- and High-Dimensional Metamaterials | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Faenzi, Marco | 18 Mar 2020 | 13:20 | 13:20 | Recent Advances on Modulated Metasurface Antennas for SatCom | A2 (Poster Area) | Convened Poster 2-CS41 | Metasurfaces for Mobile (5G and Beyond) and Satellite Communication Systems | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Fager, Christian | 20 Mar 2020 | 08:30 | 08:50 | Integrated Doherty Power Amplifier - Antenna Element with Active Impedance Modulation: Efficiency vs. Bandwidth Trade-Offs | A2 | T01-A22 | MIMO, diversity, smart antennas & signal processing | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Falcone, Francisco | 16 Mar 2020 | 17:00 | 17:20 | Impedance Matching Network Based on Bianisotropic Metasurfaces for Antennas Operating at High Microwave, Millimeter-Wave or Terahertz Frequencies | B11 | T11-E08 | Metamaterials, metasurfaces and advanced materials | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Falcone, Francisco | 17 Mar 2020 | 09:50 | 10:10 | Metasurface Structures with Bianisotropic Characteristics for Wide-Angle Impedance Matching in Phased-Array Antennas | B9 | CS09 | Analytical and Numerical Methods for Metasurface Analysis and Design | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Falcone, Francisco | 17 Mar 2020 | 13:20 | 13:20 | Analysis of Phase Evolution Impact in SIMO Operation in Distributed Transceiver Systems | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Falcone, Francisco | 20 Mar 2020 | 08:30 | 08:50 | Deterministic Radio Channel Characterization for Near-Ground Wireless Sensor Networks Deployment Optimization in Smart Agriculture | B9 | T10-P02 | Propagation modelling and simulation | T10 EM modelling and simulation tools / Regular Session / Propagation |
| Fall, Abdoulaye | 19 Mar 2020 | 13:20 | 13:20 | A Bird-Cage Coil for MRI Studies of Unsaturated Granular Materials | Exhibition Hall | Poster3-A23 | Poster Session 3: Other antenna topics | Antennas |
| Fan, Tingting | 19 Mar 2020 | 13:20 | 13:20 | A Reconfigurable Antenna Array with Active Integrated Switching Network for 5G Communication | Exhibition Hall | Poster3-A14 | Poster Session 3: Active and integrated antennas | Antennas |
| Fan, Wei | 16 Mar 2020 | 15:10 | 15:30 | Wideband Radio Channel Emulation Using Band-stitching Schemes | B7 | CS05 | AMTA Session: Automotive Antenna Measurements and Testing | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Convened Session / Measurements |
| Fan, Wei | 17 Mar 2020 | 13:20 | 13:20 | Measured Millimeter-Wave Channels in Corridor Scenarios with Large-Scale Antenna Arrays | Exhibition Hall | Poster1-P03 | Poster Session 1: Channel sounding and parameter estimation techniques | Propagation |
| Fan, Wei | 18 Mar 2020 | 09:10 | 09:30 | On Noise and Interference Modeling for Over-the-air Testing of MIMO Terminals | A3 | CS06 | AMTA/IRACOM Session: Over-The-Air Testing of 5G Radios | T02 Millimetre wave 5G / Convened Session / Measurements |
| Fan, Wei | 18 Mar 2020 | 13:20 | 13:20 | Cluster Intensity and Spread Characteristics in Classroom Scenario at 10 and 28 GHz Bands | Exhibition Hall | Poster2-P05 | Poster Session 2: Mm-wave and UWB propagation | Propagation |
| Fan, Wei | 18 Mar 2020 | 13:20 | 13:20 | On the Second Order Statistics of 3D Non-Stationary UAV Channels Allowing Velocity Variations | Exhibition Hall | Poster2-P09 | Poster Session 2: Propagation for vehicular communications | Propagation |
| Fan, Wei | 19 Mar 2020 | 08:30 | 08:50 | A USRP-based Channel Sounder for UAV Communications | B7 | T06-P09 | Propagation for Unmanned Aerial Vehicles (UAVs) | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Propagation |
| Fang, Ping | 20 Mar 2020 | 09:50 | 10:10 | How Radiation Propagates in Random Media: Spatial Structure of Transmission Eigenchannels | B4 | T11-E06 | Scattering and diffraction | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Fang, Yixian | 18 Mar 2020 | 13:20 | 13:20 | Ultra-wideband Polarization-insensitive Thin Microwave Absorber Composed of Triple-layer Resistive Surfaces | Exhibition Hall | Poster2-E07 | Poster Session 2: Frequency and polarization selective surfaces | Electromagnetics |
| Fanti, Alessandro | 16 Mar 2020 | 17:00 | 17:20 | Microwave Imaging of Cervical Myelopathy: A Preliminary Feasibility Assessment | B8 | T05-E05 | Microwave imaging | T05 Biomedical and health / Regular Session / Electromagnetics |

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|---------------------|-------------|-------|-------|--|-----------------|-------------|---|--|
| Fanti, Alessandro | 18 Mar 2020 | 10:40 | 11:00 | On the Dielectric/Thermal Characterization and Calibration of Solutions and Materials for Biomedical Applications | B6 | SW03 | COST Session CA17115 (MyWAVE): Supporting Medical Device Development via Dielectric and Thermal Tissue Characterization | T05 Biomedical and health / Convened Session / Measurements |
| Fanti, Alessandro | 18 Mar 2020 | 13:20 | 13:20 | Application of MRI, fMRI and Cognitive Data for Alzheimer's Disease Detection | Exhibition Hall | Poster2-E05 | Poster Session 2: Imaging and inverse scattering | Electromagnetics |
| Fan-Yi, Meng | 16 Mar 2020 | 16:00 | 16:20 | A Method of Side-lobe Suppression for Reactance Modulated Antennas | B5 | T08-A17 | Antennas and techniques for positioning and direction finding | T08 Positioning, localization & tracking / Regular Session / Antennas |
| Farahbakhsh, Ali | 18 Mar 2020 | 11:00 | 11:20 | Ka-Band Planar Magic-T Based on E-plane Groove Gap Waveguide for Monopulse Antenna System | B7 | T06-A17 | Automotive antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Farahbakhsh, Ali | 18 Mar 2020 | 13:20 | 13:20 | A V-Band Low Sidelobe Cavity-Backed Slot Array Antenna Based on Gap Waveguide | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Fares, Mohammad | 19 Mar 2020 | 13:20 | 13:20 | A Differential-Fed Dual-Polarized High-Gain Filtering Antenna Based on SIW Technology for 5G Applications | Exhibition Hall | Poster3-A23 | Poster Session 3: Other antenna topics | Antennas |
| Fares, Mohammad | 20 Mar 2020 | 11:20 | 11:40 | New High-Gain Differential-Fed Dual-Polarized Filtering Microstrip Antenna for 5G Applications | A2 | T01-A22 | MIMO, diversity, smart antennas & signal processing | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Farhat, Hanna | 17 Mar 2020 | 13:20 | 13:20 | Measurements of a Dynamic 60 GHz Radio Channel in an Open-Space Office | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Farhat, Iman | 18 Mar 2020 | 10:40 | 11:00 | On the Dielectric/Thermal Characterization and Calibration of Solutions and Materials for Biomedical Applications | B6 | SW03 | COST Session CA17115 (MyWAVE): Supporting Medical Device Development via Dielectric and Thermal Tissue Characterization | T05 Biomedical and health / Convened Session / Measurements |
| Faria, Stefânia | 20 Mar 2020 | 09:30 | 09:50 | Radiowave Propagation Modelling in the Presence of Wildfires: Initial Results | B9 | T10-P02 | Propagation modelling and simulation | T10 EM modelling and simulation tools / Regular Session / Propagation |
| Farias, Roger | 20 Mar 2020 | 12:00 | 12:20 | Performance Assessment of a Reconfigurable Circularly Polarized Reflectarray at K-Band | B8 | CS59 | Reconfigurable Reflectarray and Transmitarrays | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Farina, Laura | 17 Mar 2020 | 09:50 | 10:10 | Monitoring Microwave Thermal Ablation Using Electrical Impedance Tomography: An Experimental Feasibility Study | B7 | SW02 | COST Session CA17115 (MyWAVE): Developments in Electromagnetic-Based Medical Technologies | T05 Biomedical and Health / Convened Session / Electromagnetics |
| Farina, Laura | 18 Mar 2020 | 08:30 | 08:50 | Thermal Properties of Ex Vivo Biological Tissue at Room and Body Temperature | B6 | SW03 | COST Session CA17115 (MyWAVE): Supporting Medical Device Development via Dielectric and Thermal Tissue Characterization | T05 Biomedical and health / Convened Session / Measurements |
| Faris, Peter | 20 Mar 2020 | 09:50 | 10:10 | Regulatory Requirements and Characterisation of Transmitter and Receiver Parameters to Set a Novel Framework for Spectrum Sharing | A3 | CS37 | IRACON Spectrum Sharing: Challenges and Opportunities for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Farrugia, Lourdes | 18 Mar 2020 | 10:40 | 11:00 | On the Dielectric/Thermal Characterization and Calibration of Solutions and Materials for Biomedical Applications | B6 | SW03 | COST Session CA17115 (MyWAVE): Supporting Medical Device Development via Dielectric and Thermal Tissue Characterization | T05 Biomedical and health / Convened Session / Measurements |
| Farrugia, Lourdes | 19 Mar 2020 | 11:40 | 12:00 | Determining the Concentration of Red Blood Cells Using Dielectric Properties | B7 | T11-P10 | Propagation in biological tissues | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Farsaei, Amirashkan | 20 Mar 2020 | 10:40 | 11:00 | Array Configuration Effect on the Spatial Correlation of MU-MIMO Channels in NLoS Environments | A2 | T01-A22 | MIMO, diversity, smart antennas & signal processing | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Fasano, Giancarmine | 19 Mar 2020 | 09:10 | 09:30 | Micro-UAV Radar Imaging via DGPS and Microwave Tomography | B7 | T06-P09 | Propagation for Unmanned Aerial Vehicles (UAVs) | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Propagation |
| Fasoula, Angie | 17 Mar 2020 | 11:00 | 11:20 | Pilot Patient Study with the Wavelia Microwave Breast Imaging System for Breast Cancer Detection: Clinical Feasibility and Identified Technical Challenges | B6 | CS60 | Sensors and Systems for Microwave Biomedical Imaging and Sensing | T05 Biomedical and health / Convened Session / Antennas |
| Fasoula, Angie | 17 Mar 2020 | 11:20 | 11:40 | Coverage Estimation for Microwave Imaging Using Full Multistatic Radar Imaging Algorithms with Restricted Opening | B6 | CS60 | Sensors and Systems for Microwave Biomedical Imaging and Sensing | T05 Biomedical and health / Convened Session / Antennas |
| Faul, Fabian T. | 18 Mar 2020 | 11:00 | 11:20 | RF-Signal Receiver for UAV-Based Characterisation of Aeronautical Navigation Systems | B11 | T06-M10 | UAV-Based Antenna Measurements (AMTA) | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Measurements |
| Feat, Lise | 19 Mar 2020 | 13:20 | 13:20 | Simple and Robust Probes for Near-Field Antenna Measurements at Low UHF Bands | Exhibition Hall | Poster3-M07 | Poster Session 3: Satellite and aerospace antenna characterisation | Measurements |
| Fedeli, Alessandro | 16 Mar 2020 | 17:00 | 17:20 | Microwave Imaging of Cervical Myelopathy: A Preliminary Feasibility Assessment | B8 | T05-E05 | Microwave imaging | T05 Biomedical and health / Regular Session / Electromagnetics |
| Fedeli, Alessandro | 17 Mar 2020 | 10:40 | 11:00 | A Tomographic Multistatic System for Biomedical Microwave Sensing | B6 | CS60 | Sensors and Systems for Microwave Biomedical Imaging and Sensing | T05 Biomedical and health / Convened Session / Antennas |
| Fedeli, Alessandro | 18 Mar 2020 | 08:50 | 09:10 | Inverse Scattering in the Framework of Unconventional Lebesgue Spaces: A Case Study | B9 | CS66 | Unconventional Techniques and Applications for Inverse Scattering Problems | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Fedeli, Alessandro | 19 Mar 2020 | 11:40 | 12:00 | Forward and Inverse Scattering Models Applied to Through-Wall Imaging | B9 | T10-E05/1 | Electromagnetic Methods for Direct and Inverse Scattering Involving Stratified Media | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |

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|---------------------------------|-------------|-------|-------|---|------------------|------------------------|---|--|
| Felicio, Joao M. | 18 Mar 2020 | 11:00 | 11:20 | Extracting Dielectric Properties for MRI-based Phantoms for Axillary Microwave Imaging Device | B6 | SW03 | COST Session CA17115 (MyWAVE): Supporting Medical Device Development via Dielectric and Thermal Tissue Characterization | T05 Biomedical and health / Convened Session / Measurements |
| Felicio, Joao M. | 19 Mar 2020 | 13:20 | 13:20 | Antenna Phase Center and Angular Dispersion Estimation Using Planar Acquisition Setup Applied to Microwave Breast Imaging | Exhibition Hall | Poster3-A23 | Poster Session 3: Other antenna topics | Antennas |
| Felicio, Joao M. | 20 Mar 2020 | 12:00 | 12:20 | Development of a Transmission-Based Open-Ended Coaxial-Probe Suitable for Axillary Lymph Node Dielectric Measurements | B6 | SW06 | H2020 Session ID764479 (EMERALD): Electromagnetic Imaging for a Novel Generation of Medical Devices | T05 Biomedical and health / Convened Session / Electromagnetics |
| Felicio, Joao M. | 20 Mar 2020 | 09:30 | 09:50 | Radiowave Propagation Modelling in the Presence of Wildfires: Initial Results | B9 | T10-P02 | Propagation modelling and simulation | T10 EM modelling and simulation tools / Regular Session / Propagation |
| Fencl, Martin | 17 Mar 2020 | 13:20 | 13:20 | On Separation of Wet Antenna Effects from Rain Attenuation Measurements | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Feng, Rui | 19 Mar 2020 | 13:20 | 13:20 | Phase-Gradient Metasurfaces for Efficient Conversion of Surface Wave to Propagating Wave | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Feng, Wenjie | 18 Mar 2020 | 09:50 | 10:10 | A Wideband Reflectarray Using Slotted Patch with Concave Arms | A2 | T09-A19 | Reflect arrays and transmit arrays | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Feng, Xin | 17 Mar 2020 | 11:40 | 12:00 | Substrate Integrated Dual Linearly Polarized End-Fire Antenna Array Operating at 28GHz | A2 | T02-A04/2 | Millimetre wave arrays for mobile terminals | T02 Millimetre wave 5G / Regular Session / Antennas |
| Féral, Laurent | 17 Mar 2020 | 11:40 | 12:00 | Potentialities of the Numerical Weather Prediction Model WRF to Produce Attenuation Statistics in Tropical Regions | B8 | T09-P08 | Satellite propagation | T09 Space (incl. cubesat) / Regular Session / Propagation |
| Feresidis, Alexandros | 16 Mar 2020 | 13:50 | 14:10 | Leaky Wave Analysis of Periodic Corrugated Metallic Plates with Complex Shapes | B2 | CS21 | Challenges in Leaky Wave Antennas and Novel Approaches to Solve Them | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Feresidis, Alexandros | 17 Mar 2020 | 10:40 | 11:00 | Machine Learning-Driven Design Optimization for a Multi-Layer Metasurface Antenna | B10 | CS39 | Machine Learning in Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Feresidis, Alexandros | 18 Mar 2020 | 13:20 | 13:20 | Electro-Mechanically Tunable Meta-Surfaces for Beam-Steered Antennas from mm-Wave to THz | A2 (Poster Area) | Convened Poster 2-CS41 | Metasurfaces for Mobile (5G and Beyond) and Satellite Communication Systems | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Fernandes, Carlos A. | 17 Mar 2020 | 13:20 | 13:20 | Equivalent Dielectric Description of Transmit-arrays as an Efficient and Accurate Method of Analysis | Exhibition Hall | Poster1-A19 | Poster Session 1: Reflect arrays and transmit arrays | Antennas |
| Fernandes, Carlos A. | 18 Mar 2020 | 11:00 | 11:20 | Extracting Dielectric Properties for MRI-based Phantoms for Axillary Microwave Imaging Device | B6 | SW03 | COST Session CA17115 (MyWAVE): Supporting Medical Device Development via Dielectric and Thermal Tissue Characterization | T05 Biomedical and health / Convened Session / Measurements |
| Fernandes, Carlos A. | 18 Mar 2020 | 13:20 | 13:20 | Transmit-array Antenna Design for Broadband Backhaul 5G Communications at WIGIG Band | A2 (Poster Area) | Convened Poster 2-CS36 | Innovative Lens Antennas for Future Communication Systems | T02 Millimetre wave 5G / Convened Session / Antennas |
| Fernandes, Carlos A. | 19 Mar 2020 | 13:20 | 13:20 | Antenna Phase Center and Angular Dispersion Estimation Using Planar Acquisition Setup Applied to Microwave Breast Imaging | Exhibition Hall | Poster3-A23 | Poster Session 3: Other antenna topics | Antennas |
| Fernandes, Carlos A. | 20 Mar 2020 | 12:00 | 12:20 | Development of a Transmission-Based Open-Ended Coaxial-Probe Suitable for Axillary Lymph Node Dielectric Measurements | B6 | SW06 | H2020 Session ID764479 (EMERALD): Electromagnetic Imaging for a Novel Generation of Medical Devices | T05 Biomedical and health / Convened Session / Electromagnetics |
| Fernandes, Carlos A. | 20 Mar 2020 | 09:30 | 09:50 | Radiowave Propagation Modelling in the Presence of Wildfires: Initial Results | B9 | T10-P02 | Propagation modelling and simulation | T10 EM modelling and simulation tools / Regular Session / Propagation |
| Fernandes, Telmo R. | 20 Mar 2020 | 09:50 | 10:10 | A Practical Deconvolution Antenna Method to Retrieve Scattering Profile in Complex Random Media - A Vegetation Case Study at 28 GHz | B11 | CS20 | Assessment and Modeling of Antennas and Radio Channels Jointly | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Fernandez Alvarez, Humberto | 16 Mar 2020 | 16:20 | 16:40 | On the Way to Green IoT Antennas: Compact Ultra-Thin CPW-Fed Monopole on Tencel | B2 | T04-A08 | IoT antennas | T04 IoT and M2M / Regular Session / Antennas |
| Fernández Álvarez, Javier | 16 Mar 2020 | 17:20 | 17:40 | MetOp-5G Scatterometer Antenna Testing - Golden Standard Measurement 2019 | B7 | T06-M03 | Near-field, far-field, compact and RCS range measurement techniques | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Measurements |
| Fernández González, Jose Manuel | 16 Mar 2020 | 13:30 | 13:50 | High Scanning Rate Leaky Wave Antenna Based on Glide Symmetry for 77 GHz Automotive Radar | B1 | SW04 | COST Session CA18223 (SyMat): Periodic Structures with Higher Symmetries | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Fernández González, Jose Manuel | 17 Mar 2020 | 08:50 | 09:10 | Elliptical Glide-Symmetric Holey Metasurfaces for Wideband Anisotropy | B9 | CS09 | Analytical and Numerical Methods for Metasurface Analysis and Design | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Fernández González, Jose Manuel | 17 Mar 2020 | 13:20 | 13:20 | Circularly and Linearly Polarized Planar Reconfigurable Active Array Antennas in Ka Band | A2 (Poster Area) | Convened Poster 1-CS10 | Antenna Array and Integrated Systems for 5G Communication Applications | T02 Millimetre wave 5G / Convened Session / Antennas |
| Fernandez, Enric | 17 Mar 2020 | 13:20 | 13:20 | A Low Cost Active Corner Reflector to Assist Snow Monitoring Through Sentinel/1 Images | A2 (Poster Area) | Convened Poster 1-CS08 | Analysis, Design and Use of Microwave Techniques, Models, Systems, and Antennas for Snowpack Avalanches Monitoring | T08 Positioning, localization & tracking / Convened Session / Propagation |
| Fernandez-Garcia, Raul | 17 Mar 2020 | 17:20 | 17:40 | Effect of Bending on a Textile UHF-RFID Tag Antenna | B2 | T04-A15 | RFID and backscattering antennas | T04 IoT and M2M / Regular Session / Antennas |
| Fernandez-Martinez, Paula | 19 Mar 2020 | 08:30 | 08:50 | Dual-Band Array of Cross-Polarized Vivaldi Antennas for 5G Applications | A2 | T01-A11 | Multiband and wideband antennas | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Ferrando-Bataller, Miguel | 18 Mar 2020 | 13:20 | 13:20 | Power Transfer Efficiency Analyzed Using Characteristic Mode Coupling Between Two Parallel Loops | Exhibition Hall | Poster2-A02 | Poster Session 2: Antenna interactions and coupling | Antennas |

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|------------------------------|-------------|-------|-------|---|------------------|------------------------|---|--|
| Ferrando-Bataller, Miguel | 18 Mar 2020 | 13:20 | 13:20 | Effect of the Ground Plane in UHF Chip Antenna Efficiency | Exhibition Hall | Poster2-A08 | Poster Session 2: Electrically small antennas | Antennas |
| Ferrando-Rocher, Miguel | 17 Mar 2020 | 13:20 | 13:20 | Mechanical Phase Shifter in Gap-Waveguide Technology | A2 (Poster Area) | Convened Poster 1-CS19 | Applications of mm-Wave Gap Waveguide Technology-II | T02 Millimetre wave 5G / Convened Session / Antennas |
| Ferrando-Rocher, Miguel | 18 Mar 2020 | 13:20 | 13:20 | A Novel Circularly-Polarized T-shaped Slot Array Antenna in Ka-band | Exhibition Hall | Poster2-A10 | Poster Session 2: Slotted-waveguide and leaky-wave antennas | Antennas |
| Ferrara, Flaminio | 19 Mar 2020 | 09:50 | 10:10 | AUT Far-Field Pattern Reconstruction from a Reduced Set of Spherical Near-Field Data Collected in Presence of an Infinite Perfectly Conducting Ground Plane | B10 | CS07 | AMTA/EurAAP Session: Post Processing Techniques in Antenna Measurements | T11 Fundamental research and emerging technologies / Convened Session / Measurements |
| Ferrara, Flaminio | 20 Mar 2020 | 12:00 | 12:20 | Echo Reduction Properties of Fast Non-Redundant Planar NF Sampling Methodologies | B2 | T02-M08 | Mm-wave, THz, and quasi-optical antenna measurements | T02 Millimetre wave 5G / Regular Session / Measurements |
| Ferrero, Fabien | 17 Mar 2020 | 09:10 | 09:30 | From Optimal to Industrial Antenna: The Designer Dilemma for Compact NB-IoT Terminal | B2 | CS16 | Antennas in IoT Wireless Devices: Modelling and Industrial Considerations | T04 IoT and M2M / Convened Session / Antennas |
| Ferrero, Fabien | 17 Mar 2020 | 17:40 | 18:00 | Compact 4-Element Radiation Pattern Agile Antenna for Spatial Filtering in IoT Networks | B1 | CS58 | Reconfigurable Antennas for Compact Devices | T04 IoT and M2M / Convened Session / Antennas |
| Ferrero, Fabien | 19 Mar 2020 | 13:20 | 13:20 | A Compact Pattern Reconfigurable Antenna for UHF Internet of Things Applications | Exhibition Hall | Poster3-A13 | Poster Session 3: Adaptive and reconfigurable antennas | Antennas |
| Ferrero, Fabien | 20 Mar 2020 | 11:00 | 11:20 | Experimental Assessment of Q-factor Bounds for Miniature Embedded Antenna | B10 | CS11 | Antenna Design and Fundamental Bounds with External Constraints | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Phager, Andreas | 17 Mar 2020 | 09:50 | 10:10 | Integrating Nodal Adjoint Jacobian Method in the Discrete Dipole Approximation-based Image Reconstruction Algorithm | B6 | CS60 | Sensors and Systems for Microwave Biomedical Imaging and Sensing | T05 Biomedical and health / Convened Session / Antennas |
| Fickenscher, Thomas | 18 Mar 2020 | 08:50 | 09:10 | Teaching Wireless Communications Courses: An Experiential Learning Approach | B4 | CS26 | Education in Electromagnetics, Antennas, and Microwaves | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Fiebig, Uwe-Carsten G. | 19 Mar 2020 | 08:50 | 09:10 | Wideband Channel Measurements and First Findings for Low Altitude Drone-to-Drone Links in an Urban Scenario | B7 | T06-P09 | Propagation for Unmanned Aerial Vehicles (UAVs) | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Propagation |
| Fielder, Tom | 19 Mar 2020 | 09:30 | 09:50 | An Assessment of the Radio Frequency Electromagnetic Field Exposure from A Massive MIMO 5G Testbed | A3 | CS34 | IET/AMTA Session: Test and Measurement Challenges for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Measurements |
| Fikioris, George | 18 Mar 2020 | 11:40 | 12:00 | Teaching Applied Mathematics for Electromagnetics by Means of a Simple Scattering Problem | B4 | CS26 | Education in Electromagnetics, Antennas, and Microwaves | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Filice, Francesco | 16 Mar 2020 | 14:30 | 14:50 | 3-D Printed High-Efficiency Wideband 2X2 and 4X4 Double-Ridged Waveguide Antenna Arrays for Ku-Band Satcom-On-The-Move Applications | A2 | CS02 | Advanced Antenna Arrays for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Antennas |
| Filipovic, Dejan | 17 Mar 2020 | 13:20 | 13:20 | Ka-band Multi-beam Planar Lens Antenna for 5G Applications | Exhibition Hall | Poster1-A09 | Poster Session 1: Lens antennas | Antennas |
| Filonov, Dmitry | 17 Mar 2020 | 18:00 | 18:20 | Dynamically Reconfigurable Metamaterial-Based Scatterer | B4 | CS67 | Water-Based Microwave Devices | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Finkelman, Ido | 17 Mar 2020 | 13:20 | 13:20 | Detection Probability Calculations for Fluctuating Targets Under Clutter | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Finocchiaro, Daniele V. | 19 Mar 2020 | 13:20 | 13:20 | SSEEM - An Innovative Spread Spectrum System for SatCom Antenna Radiation Patterns Measurements | Exhibition Hall | Poster3-M10 | Poster Session 3: General antenna measurements | Measurements |
| Fiorelli, Benedetta | 19 Mar 2020 | 13:20 | 13:20 | Deployable Helix Antennas for Nano and Micro Satellites | Exhibition Hall | Poster3-M07 | Poster Session 3: Satellite and aerospace antenna characterisation | Measurements |
| Fiorellini Bernardis, Arturo | 18 Mar 2020 | 13:20 | 13:20 | Improved Equivalent Norton Circuit for Pulsed Photoconductive Antennas | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Fiorellini Bernardis, Arturo | 20 Mar 2020 | 11:40 | 12:00 | On the Use of the Observable Field to Synthesize Independent Beams from a Finite Volume | A2 | T01-A22 | MIMO, diversity, smart antennas & signal processing | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Fischer, Serafin Benedikt | 19 Mar 2020 | 13:20 | 13:20 | A Single-Layer Planar Antenna Unaffected by a Possibly Close-by Metal Surface | Exhibition Hall | Poster3-A13 | Poster Session 3: Adaptive and reconfigurable antennas | Antennas |
| Fiser, Ondrej | 18 Mar 2020 | 09:30 | 09:50 | Advanced Temperature Dielectric Spectroscopy of Muscle Phantom at Microwave Frequencies | B6 | SW03 | COST Session CA17115 (MyWAVE): Supporting Medical Device Development via Dielectric and Thermal Tissue Characterization | T05 Biomedical and health / Convened Session / Measurements |
| Fiser, Ondrej | 20 Mar 2020 | 11:20 | 11:40 | Temperature Dependent Dielectric Properties of Tissue Mimicking Phantom Material in the Microwave Frequency Range | B6 | SW06 | H2020 Session ID764479 (EMERALD): Electromagnetic Imaging for a Novel Generation of Medical Devices | T05 Biomedical and health / Convened Session / Electromagnetics |
| Fleury, Romain | 16 Mar 2020 | 13:30 | 13:50 | A Subwavelength Microwave Bandpass Filter Based on a Chiral Waveguide | B10 | CS24 | Controlling EM Waves with Low- and High-Dimensional Metamaterials | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Fleury, Romain | 19 Mar 2020 | 13:20 | 13:20 | Robustness in Subwavelength Locally-Resonant Metamaterial Waveguides | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Florencio, Rafael | 18 Mar 2020 | 10:40 | 11:00 | Bandwidth Improvement of Reflectarray Cells Using Variable Rotation Technique at Two Frequencies for Dual Circular Polarization | A2 | T09-A19 | Reflect arrays and transmit arrays | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Flórez Berdasco, Alicia | 16 Mar 2020 | 16:20 | 16:40 | On the Way to Green IoT Antennas: Compact Ultra-Thin CPW-Fed Monopole on Tencel | B2 | T04-A08 | IoT antennas | T04 IoT and M2M / Regular Session / Antennas |
| Focardi, Paolo | 17 Mar 2020 | 11:40 | 12:00 | NISAR Flight Feed Passive Antenna Measurements | B5 | CS01 | Active Antennas for Onboard Space Applications | T09 Space (incl. cubesat) / Convened Session / Antennas |

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|----------------------------|-------------|-------|-------|---|------------------|------------------------|---|--|
| Foegelle, Michael D. | 17 Mar 2020 | 13:20 | 13:20 | Impact of Mounting Materials on Phased Arrays for the 5G New Radio | Exhibition Hall | Poster1-M01 | Poster Session 1: Material characterisation and non-destructive testing | Measurements |
| Foegelle, Michael D. | 19 Mar 2020 | 09:10 | 09:30 | What's in a Name? an Analysis of the True Meaning of MIMO and Beamforming | A3 | CS34 | IET/AMTA Session: Test and Measurement Challenges for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Measurements |
| Foged, Lars | 16 Mar 2020 | 14:50 | 15:10 | Experimental Comparison of Vehicular Antenna Measurements Performed over Different Floors | B7 | CS05 | AMTA Session: Automotive Antenna Measurements and Testing | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Convened Session / Measurements |
| Foged, Lars | 16 Mar 2020 | 16:00 | 16:20 | Experimental Validation of the Translated-SWE Technique Applied to Automotive Measurements over PEC-Floor at Arbitrary Height | B7 | T06-M03 | Near-field, far-field, compact and RCS range measurement techniques | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Measurements |
| Foged, Lars | 16 Mar 2020 | 17:00 | 17:20 | Relative Phase Reconstruction Based on Multiprobe Solutions and Post-Processing Techniques | B7 | T06-M03 | Near-field, far-field, compact and RCS range measurement techniques | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Measurements |
| Foged, Lars | 18 Mar 2020 | 11:00 | 11:20 | OTA Testing of Antennas & Devices Using Plane Wave Generator or Synthesizer | A3 | CS06 | AMTA/IRACON Session: Over-The-Air Testing of 5G Radios | T02 Millimetre wave 5G / Convened Session / Measurements |
| Foged, Lars | 19 Mar 2020 | 10:40 | 11:00 | Diagnostics on Electrically Large Structures by a Nested Skeletonization Scheme Enhancement of the Equivalent Current Technique | B10 | CS07 | AMTA/EurAAP Session: Post Processing Techniques in Antenna Measurements | T11 Fundamental research and emerging technologies / Convened Session / Measurements |
| Foged, Lars | 19 Mar 2020 | 13:20 | 13:20 | L/S & C Band Medium Gain Ridge Horn Intercomparison Campaign Results | Exhibition Hall | Poster3-M10 | Poster Session 3: General antenna measurements | Measurements |
| Foged, Lars | 19 Mar 2020 | 16:40 | 17:00 | Equivalent Source Technique Processing of Broadband Antenna Measurements | B10 | CS48 | Novel Antenna Measurement Data Analysis and Techniques | T11 Fundamental research and emerging technologies / Convened Session / Measurements |
| Foged, Lars | 20 Mar 2020 | 12:00 | 12:20 | Echo Reduction Properties of Fast Non-Redundant Planar NF Sampling Methodologies | B2 | T02-M08 | Mm-wave, THz, and quasi-optical antenna measurements | T02 Millimetre wave 5G / Regular Session / Measurements |
| Foglia Manzillo, Francesco | 20 Mar 2020 | 11:00 | 11:20 | P-i-n Diode Based Electronically Steerable Transmitarrays for SOTM at Ka-band | B8 | CS59 | Reconfigurable Reflectarray and Transmitarrays | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Fonseca, Nelson | 16 Mar 2020 | 13:50 | 14:10 | Holey Glide-Symmetric Waveguide Filters for 5G Communication Systems at Millimetre Wave Frequencies | B1 | SW04 | COST Session CA18223 (SyMat): Periodic Structures with Higher Symmetries | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Fonseca, Nelson | 16 Mar 2020 | 13:30 | 13:50 | Compressed Lenses via Transformation Optics for Mobile Satellite Communications | B8 | T09-A09 | Millimetre wave lens antennas for space applications | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Fonseca, Nelson | 16 Mar 2020 | 14:30 | 14:50 | Rotman Lenses with Ridged Waveguides in Q-Band | B8 | T09-A09 | Millimetre wave lens antennas for space applications | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Fonseca, Nelson | 17 Mar 2020 | 13:20 | 13:20 | Ray-Tracing Analysis of the near and Far Fields of Focusing Geodesic Lens Antennas | Exhibition Hall | Poster1-A09 | Poster Session 1: Lens antennas | Antennas |
| Fonseca, Nelson | 17 Mar 2020 | 13:20 | 13:20 | Equivalent Dielectric Description of Transmit-arrays as an Efficient and Accurate Method of Analysis | Exhibition Hall | Poster1-A19 | Poster Session 1: Reflect arrays and transmit arrays | Antennas |
| Fonseca, Nelson | 18 Mar 2020 | 13:20 | 13:20 | Fully-Metallic Rinehart-Luneburg Lens at 60 GHz | A2 (Poster Area) | Convened Poster 2-CS36 | Innovative Lens Antennas for Future Communication Systems | T02 Millimetre wave 5G / Convened Session / Antennas |
| Fonseca, Nelson | 19 Mar 2020 | 17:20 | 17:40 | Experimental Validation of a Water Drop Geodesic Lens Design at Ka-Band | B11 | SW05 | ESA Session: Selected Papers from the 40th ESA Workshop on Antenna Developments for Terrestrial and Small-Space Platforms | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Fontana, Nunzia | 17 Mar 2020 | 13:20 | 13:20 | Design of Distributed Spiral Resonators for the Decoupling of MRI Array Coils | A2 (Poster Area) | Convened Poster 1-CS27 | Electromagnetics in MRI Applications | T05 Biomedical and health / Convened Session / Electromagnetics |
| Foo, Senglee | 19 Mar 2020 | 13:20 | 13:20 | AMOLED In-Display Antennas | Exhibition Hall | Poster3-A14 | Poster Session 3: Active and integrated antennas | Antennas |
| Ford, Kenneth Lee | 18 Mar 2020 | 13:20 | 13:20 | Study of Printed Scattering Reflectors Based on Discretised Metasurface | A2 (Poster Area) | Convened Poster 2-CS50 | Novel Wave Phenomena in Metamaterials and Metasurfaces Applied to Antennas and Propagation | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Ford, Kenneth Lee | 20 Mar 2020 | 11:20 | 11:40 | Direct Antenna Modulator for m-QAM Applications | B1 | CS33 | IET Session: New Antenna Systems Involving Application of Metamaterials and Metasurfaces | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Fornier, Ria | 19 Mar 2020 | 11:00 | 11:20 | Characterization of an Integrated Radiofrequency System for MR-guided Hyperthermia | B7 | T11-P10 | Propagation in biological tissues | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Foroutan, Farzad | 19 Mar 2020 | 18:00 | 18:20 | UWB Planar Bias-switched Imaging Array for Breast-Cancer Screening | B6 | T05-A12/3 | Body area antennas and sensor systems | T05 Biomedical and health / Regular Session / Antennas |
| Fourn, Erwan | 18 Mar 2020 | 13:20 | 13:20 | Transmit-Arrays at Ka-band for Harsh Environment | A2 (Poster Area) | Convened Poster 2-CS14 | Antennas for Harsh Environment | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Fourn, Erwan | 18 Mar 2020 | 13:20 | 13:20 | Three-Dimensional Frequency Selective Surface for Single-Polarized Filtering Applications with Angular Stability | Exhibition Hall | Poster2-E07 | Poster Session 2: Frequency and polarization selective surfaces | Electromagnetics |
| Fourn, Erwan | 20 Mar 2020 | 11:40 | 12:00 | A Design Methodology for Reconfigurable Reflectarrays with a Deformable Ground | B8 | CS59 | Reconfigurable Reflectarray and Transmitarrays | T09 Space (incl. cubesat) / Convened Session / Antennas |
| François, Olivier | 20 Mar 2020 | 12:00 | 12:20 | Dielectric Spectroscopy Characterization Within a Microfluidic Device Based on Open-Ended Coplanar Waveguide | B5 | T11-M01 | Material characterisation and non-destructive testing | T11 Fundamental research and emerging technologies / Regular Session / Measurements |
| Franceschini, Stefano | 18 Mar 2020 | 10:40 | 11:00 | Machine Learning for Microwave Imaging | B9 | CS66 | Unconventional Techniques and Applications for Inverse Scattering Problems | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |

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| Franeek, Ondřej | 17 Mar 2020 | 13:20 | 13:20 | Wind Turbine Blade Deflection Sensing Using Blade-Mounted Ultrawideband Antennas | A2 (Poster Area) | Convened Poster 1-CS57 | Recent Research on Wind Turbines: EM Modelling and Measurements | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Franke, Steven | 20 Mar 2020 | 09:50 | 10:10 | Signal-to-Noise Ratio Considerations for Secure Antenna Polarization Modulation | A2 | T01-A22 | MIMO, diversity, smart antennas & signal processing | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Frayssé, Jean Philippe | 19 Mar 2020 | 13:20 | 13:20 | A Compact and Broadband Four-Way Dual Polarization Waveguide Power Divider for Antenna Arrays | Exhibition Hall | Poster3-A14 | Poster Session 3: Active and integrated antennas | Antennas |
| Frederique Deshours, Frederique | 18 Mar 2020 | 13:20 | 13:20 | Compact Honey-Cell CSRR-based Microwave Biosensor for Monitoring Glucose Levels | Exhibition Hall | Poster2-P10 | Poster Session 2: Propagation in biological tissues and body-area propagation | Propagation |
| Frederique Deshours, Frederique | 19 Mar 2020 | 12:00 | 12:20 | Multiple-Pole CSRR-based Microwave Sensor for Glucose Levels Detection | B6 | T05-A12/2 | Point of Care Microwave Sensors | T05 Biomedical and health / Regular Session / Antennas |
| Freilikher, Valentin | 20 Mar 2020 | 09:50 | 10:10 | How Radiation Propagates in Random Media: Spatial Structure of Transmission Eigenchannels | B4 | T11-E06 | Scattering and diffraction | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Freire, Raimundo | 19 Mar 2020 | 13:20 | 13:20 | Eco-Friendly Metamaterial Antenna for 2.4 GHz WLAN Applications | Exhibition Hall | Poster3-A23 | Poster Session 3: Other antenna topics | Antennas |
| Freni, Angelo | 16 Mar 2020 | 15:10 | 15:30 | Design of a Wide-Scan Lens Based Focal Plane Array for Sub-millimeter Imaging Systems Using Coherent Fourier Optics | B4 | T07-A | Antenna theory and system design | T07 Defence and security / Regular Session / Antennas |
| Freni, Angelo | 20 Mar 2020 | 11:40 | 12:00 | On the Use of the Observable Field to Synthesize Independent Beams from a Finite Volume | A2 | T01-A22 | MIMO, diversity, smart antennas & signal processing | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Fresia, Maria | 18 Mar 2020 | 11:00 | 11:20 | Measured Activity in 860 MHz Channels | B10 | T11-P04 | Experimental methods and campaigns | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Freundorfer, Alois | 19 Mar 2020 | 10:40 | 11:00 | 2-D Planar Leaky-wave Antenna with Fixed Frequency Beam Steering Through Broadside | B2 | CS46 | New Trends in Leaky Wave Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Frezza, Fabrizio | 19 Mar 2020 | 08:50 | 09:10 | Cloaking and Magnifying Using Radial Anisotropy in Non-Integer Dimensional Space | B9 | T10-E05/1 | Electromagnetic Methods for Direct and Inverse Scattering Involving Stratified Media | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Fridén, Jonas | 19 Mar 2020 | 11:20 | 11:40 | 5G Over-the-Air Conformance Testing | A3 | CS34 | IET/AMTA Session: Test and Measurement Challenges for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Measurements |
| Fritzel, Torsten | 17 Mar 2020 | 13:20 | 13:20 | Precise 6D RTK Positioning System for UAV-based Near-Field Antenna Measurements | Exhibition Hall | Poster1-M03 | Poster Session 1: Near-field, far-field, compact and RCS range measurement techniques | Measurements |
| Fritzel, Torsten | 18 Mar 2020 | 11:00 | 11:20 | RF-Signal Receiver for UAV-Based Characterisation of Aeronautical Navigation Systems | B11 | T06-M10 | UAV-Based Antenna Measurements (AMTA) | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Measurements |
| Frodigh, Magnus | 16 Mar 2020 | 10:00 | 10:40 | The Technology Journey Towards 6G | A2 | IK 01 | Keynote 1 | |
| Fu, Jinbang | 17 Mar 2020 | 08:30 | 08:50 | Investigation of Resonance Based Propagation Loss Modeling for THz Chip-to-Chip Wireless Communications | A3 | CS35 | IET/RACON Session: Propagation Measurements and Modelling for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Fuchs, Benjamin | 17 Mar 2020 | 11:20 | 11:40 | Fast Antenna Measurement via Model Order Reduction | B4 | T10-M10 | General Antenna Measurements | T10 EM modelling and simulation tools / Regular Session / Measurements |
| Fujita, Koji | 19 Mar 2020 | 13:20 | 13:20 | Transmit and Receive Module with a Fully-Digital Interface | Exhibition Hall | Poster3-A14 | Poster Session 3: Active and integrated antennas | Antennas |
| Fujiwara, Teruo | 19 Mar 2020 | 17:00 | 17:20 | Radial Line Slot Array Antenna for 5.8-GHz-Band Beam-Type Wireless Power Transmission | B2 | T02-A10 | Leaky-wave and Traveling-wave Antennas | T02 Millimetre wave 5G / Regular Session / Antennas |
| Fukaya, Mei | 17 Mar 2020 | 13:20 | 13:20 | Reflectarray Antenna Changing Beam Direction by Polarization | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Fukusako, Takeshi | 17 Mar 2020 | 11:20 | 11:40 | Antennas and Propagation Technologies of V2V Communications for Platooning | B1 | CS38 | ISAP Session: Recent Advances in Asian Antennas and Propagation Research | T02 Millimetre wave 5G / Convened Session / Antennas |
| Fumeaux, Christophe | 18 Mar 2020 | 13:20 | 13:20 | A Concept of Flexible Non-Metallic Dielectric Resonator Antenna for Conformal Applications | A2 (Poster Area) | Convened Poster 2-CS29 | Exotic Antennas from Nano to Macro Scales | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Fumeaux, Christophe | 19 Mar 2020 | 13:20 | 13:20 | A Concept of Pattern-Reconfigurable Single-Element Antenna Based on Half-Mode Substrate-Integrated Cavity | Exhibition Hall | Poster3-A13 | Poster Session 3: Adaptive and reconfigurable antennas | Antennas |
| Furukawa, Minoru | 19 Mar 2020 | 17:00 | 17:20 | Radial Line Slot Array Antenna for 5.8-GHz-Band Beam-Type Wireless Power Transmission | B2 | T02-A10 | Leaky-wave and Traveling-wave Antennas | T02 Millimetre wave 5G / Regular Session / Antennas |
| Fuscaldo, Walter | 16 Mar 2020 | 14:10 | 14:30 | Near-field Focusing Through Higher-order Cylindrical Leaky Waves | B2 | CS21 | Challenges in Leaky Wave Antennas and Novel Approaches to Solve Them | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Fuscaldo, Walter | 16 Mar 2020 | 16:20 | 16:40 | Higher-Order Cylindrical Leaky Waves in Planar Structures | B1 | SW04 | COST Session CA18223 (SyMat): Periodic Structures with Higher Symmetries | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Fuscaldo, Walter | 19 Mar 2020 | 09:10 | 09:30 | An Overview of the Techniques to Generate Limited-diffractive Bessel Beams and Localized Pulses by Using RLSA and Leaky-Wave Antennas | B4 | CS44 | Near-Field Focusing and Pulse Generation Through Localized Waves | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Fuscaldo, Walter | 19 Mar 2020 | 08:50 | 09:10 | Open-Stopband Suppression in a Canonical 1-D Periodic 2-D Structure with Asymmetric Unit Cell | B2 | CS46 | New Trends in Leaky Wave Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Fuscaldo, Walter | 19 Mar 2020 | 16:40 | 17:00 | Review of Recent Advances in the Leaky-Wave Analysis of 2-D Leaky-Wave Antennas | B2 | T02-A10 | Leaky-wave and Traveling-wave Antennas | T02 Millimetre wave 5G / Regular Session / Antennas |
| Fuschini, Franco | 17 Mar 2020 | 13:20 | 13:20 | Transmission Loss Evaluation for Fabry-Perot Materials' Characterization | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |

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| Fusco, Vincent | 18 Mar 2020 | 08:30 | 08:50 | Towards a Si/GaAs Based Flat-Panel Quasi-Optical Metasurface Antenna with Switchable Beam Characteristics | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Fusco, Vincent | 18 Mar 2020 | 13:20 | 13:20 | Closed Form Characterization of Mutual Coupling in Uniform Linear Arrays | Exhibition Hall | Poster2-A01 | Poster Session 2: Antenna theory | Antennas |
| Fusco, Vincent | 19 Mar 2020 | 13:20 | 13:20 | Low Profile Absorber Backed Extremely Wideband Antennas | Exhibition Hall | Poster3-A16 | Poster Session 3: UWB antennas and time-domain techniques | Antennas |
| Fusco, Vincent | 19 Mar 2020 | 13:20 | 13:20 | Study of Broadband/Dual-band Stack Prism Absorber | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Futter, Peter William | 18 Mar 2020 | 08:50 | 09:10 | Antenna Positioning for Bandwidth Optimization Using Characteristic Mode Analysis | B1 | CS45 | New Perspectives and Applications of Characteristic Mode Analysis in Antenna Design | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Futter, Peter William | 18 Mar 2020 | 13:20 | 13:20 | Antenna Design Exploration and Optimization Using Machine Learning | Exhibition Hall | Poster2-E04 | Poster Session 2: Optimisation methods in EM | Electromagnetics |
| G. Plaza, Enrique | 17 Mar 2020 | 13:20 | 13:20 | Dual-Polarized Dual-Frequency Ka-band Transmitarray Lens | Exhibition Hall | Poster1-A19 | Poster Session 1: Reflect arrays and transmit arrays | Antennas |
| Gadringer, Michael | 16 Mar 2020 | 16:40 | 17:00 | Impact of UWB Antennas on Ranging Accuracy | B5 | T08-A17 | Antennas and techniques for positioning and direction finding | T08 Positioning, localization & tracking / Regular Session / Antennas |
| Gaetano, Domenico | 19 Mar 2020 | 13:20 | 13:20 | Self-Sustained Biconical Antenna Realized in Additive Manufacturing Technology | Exhibition Hall | Poster3-A21 | Poster Session 3: Additive manufacturing | Antennas |
| Gaffoglio, Rossella | 19 Mar 2020 | 12:00 | 12:20 | Temperature-Corrected SAR Focusing in Cancer Hyperthermia | B7 | T11-P10 | Propagation in biological tissues | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Gaillot, Davy P | 18 Mar 2020 | 13:20 | 13:20 | Estimation of the Number of Persons in a Reverberant Environment Using Bistatic Radar | Exhibition Hall | Poster2-P12 | Poster Session 2: Radar, localisation, and sensing | Propagation |
| Gaillot, Davy P | 20 Mar 2020 | 11:40 | 12:00 | Massive Radio Channel Sounder Architecture for 5G Mobility Scenarios: MaMIMOSA | B11 | CS20 | Assessment and Modeling of Antennas and Radio Channels Jointly | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Galante, Angelo | 17 Mar 2020 | 13:20 | 13:20 | Design of Distributed Spiral Resonators for the Decoupling of MRI Array Coils | A2 (Poster Area) | Convened Poster 1-CS27 | Electromagnetics in MRI Applications | T05 Biomedical and health / Convened Session / Electromagnetics |
| Galatà, Alessio | 17 Mar 2020 | 13:20 | 13:20 | Antenna Design for RF Ion Heating of Anisotropic Magnetized Plasma | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Galdeano, Jaione | 16 Mar 2020 | 14:30 | 14:50 | Rotman Lenses with Ridged Waveguides in Q-Band | B8 | T09-A09 | Millimetre wave lens antennas for space applications | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Galić, Marin | 20 Mar 2020 | 08:50 | 09:10 | Human Exposure to Electromagnetic Signals with Continuous Spectra | B2 | T05-M06 | Dosimetry, exposure, and SAR assessment | T05 Biomedical and health / Regular Session / Measurements |
| Galić, Marin | 20 Mar 2020 | 11:20 | 11:40 | Measurement and Calculation of Exposure Level to 5G Base Station Antenna | B2 | T02-M08 | Mm-wave, THz, and quasi-optical antenna measurements | T02 Millimetre wave 5G / Regular Session / Measurements |
| Galli, Alessandro | 16 Mar 2020 | 14:10 | 14:30 | Near-field Focusing Through Higher-order Cylindrical Leaky Waves | B2 | CS21 | Challenges in Leaky Wave Antennas and Novel Approaches to Solve Them | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Galli, Alessandro | 16 Mar 2020 | 16:20 | 16:40 | Higher-Order Cylindrical Leaky Waves in Planar Structures | B1 | SW04 | COST Session CA18223 (SyMat): Periodic Structures with Higher Symmetries | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Galli, Alessandro | 19 Mar 2020 | 09:10 | 09:30 | An Overview of the Techniques to Generate Limited-diffractive Bessel Beams and Localized Pulses by Using RLSA and Leaky-Wave Antennas | B4 | CS44 | Near-Field Focusing and Pulse Generation Through Localized Waves | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Galli, Alessandro | 19 Mar 2020 | 08:50 | 09:10 | Open-Stopband Suppression in a Canonical 1-D Periodic 2-D Structure with Asymmetric Unit Cell | B2 | CS46 | New Trends in Leaky Wave Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Galli, Alessandro | 19 Mar 2020 | 16:40 | 17:00 | Review of Recent Advances in the Leaky-Wave Analysis of 2-D Leaky-Wave Antennas | B2 | T02-A10 | Leaky-wave and Traveling-wave Antennas | T02 Millimetre wave 5G / Regular Session / Antennas |
| Gamlath, Chris | 20 Mar 2020 | 09:10 | 09:30 | Enabling RF Technologies for Spectrum Sharing | A3 | CS37 | IRACON Spectrum Sharing: Challenges and Opportunities for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Gammino, Santo | 17 Mar 2020 | 13:20 | 13:20 | Antenna Design for RF Ion Heating of Anisotropic Magnetized Plasma | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Gammone, Michele | 19 Mar 2020 | 13:20 | 13:20 | SSEEM - An Innovative Spread Spectrum System for SatCom Antenna Radiation Patterns Measurements | Exhibition Hall | Poster3-M10 | Poster Session 3: General antenna measurements | Measurements |
| Gampala, Gopinath | 18 Mar 2020 | 13:20 | 13:20 | Antenna Design Exploration and Optimization Using Machine Learning | Exhibition Hall | Poster2-E04 | Poster Session 2: Optimisation methods in EM | Electromagnetics |
| Gandini, Erio | 20 Mar 2020 | 11:00 | 11:20 | Skewed Dipole Linear Array for Angular Filtering | B7 | T06-A11 | Aircraft antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Ganguly, Debarati | 17 Mar 2020 | 17:20 | 17:40 | WBAN Channel Modeling on Electromagnetic Interaction in Biological Tissues for Estimating Path Loss Characteristics | B10 | T11-P02/1 | Channel Modelling for Massive MIMO and Near-Field Communication Systems | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Ganguly, Prapti | 17 Mar 2020 | 17:20 | 17:40 | WBAN Channel Modeling on Electromagnetic Interaction in Biological Tissues for Estimating Path Loss Characteristics | B10 | T11-P02/1 | Channel Modelling for Massive MIMO and Near-Field Communication Systems | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Gangwar, Veer S | 16 Mar 2020 | 17:20 | 17:40 | A Distinct Approach Exploiting Collapse Distribution Colligated with Genetic Algorithm for the Synthesis of Thinned Planar Antenna Arrays | B4 | T07-A17 | Multiband, wideband and array antennas | T07 Defence and security / Regular Session / Antennas |
| Gao, Mingxiang | 20 Mar 2020 | 09:30 | 09:50 | A Dual-Polarized Asymptotic Conical Dipole (ACD) Sensor for Ultra-Wideband E-field Measurement | B5 | T11-M05 | EMI/EMC/PIM chambers, instrumentation, and measurements | T11 Fundamental research and emerging technologies / Regular Session / Measurements |

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| Gao, Steven | 16 Mar 2020 | 15:10 | 15:30 | Millimeter-Wave Dual-Polarized Slot Array Antenna Using a TE ₂₁₀ and TE ₁₂₀ Mode | A2 | CS02 | Advanced Antenna Arrays for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Antennas |
| Gao, Steven | 16 Mar 2020 | 15:10 | 15:30 | A Broadband Circularly Polarized Antenna with Triple-Mode Characteristics | B5 | T08-A17 | Antennas and techniques for positioning and direction finding | T08 Positioning, localization & tracking / Regular Session / Antennas |
| Gao, Steven | 17 Mar 2020 | 13:20 | 13:20 | An Ultra-wideband Reflectarray Antenna Using Connected Dipoles for Multifunctional Systems | Exhibition Hall | Poster1-A19 | Poster Session 1: Reflect arrays and transmit arrays | Antennas |
| Gao, Steven | 19 Mar 2020 | 13:20 | 13:20 | An Ultra-Wideband Stacked Spiral-Helix Composite Antenna | Exhibition Hall | Poster3-A11 | Poster Session 3: Multiband and wideband antennas | Antennas |
| Gao, Steven | 20 Mar 2020 | 11:00 | 11:20 | Evaluation of Aerosol Jet Printing of Frequency Selective Surface on Glass for Building and RF Applications | B1 | CS33 | IET Session: New Antenna Systems Involving Application of Metamaterials and Metasurfaces | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Gao, Yue | 16 Mar 2020 | 17:40 | 18:00 | 28 GHz Millimeter Wave Multibeam Antenna Array with Compact Reconfigurable Feeding Network | A2 | T02-A04/1 | Millimetre wave arrays for mobile communications | T02 Millimetre wave 5G / Regular Session / Antennas |
| Garbatsevich, Vladimir | 19 Mar 2020 | 09:50 | 10:10 | Modeling Cylindrical Slot Antenna for Borehole GPR | B9 | T10-E05/1 | Electromagnetic Methods for Direct and Inverse Scattering Involving Stratified Media | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| García del Pozo, José María | 17 Mar 2020 | 13:20 | 13:20 | Analysis of Snow Water Equivalent (SWE) of Snowpack by an Ultra Wide Band Step Frequency Continuous Wave Radar (SFCW) | A2 (Poster Area) | Convened Poster 1-CS08 | Analysis, Design and Use of Microwave Techniques, Models, Systems, and Antennas for Snowpack Avalanches Monitoring | T08 Positioning, localization & tracking / Convened Session / Propagation |
| García Fernández, María | 19 Mar 2020 | 14:50 | 15:30 | Antenna Measurements and Signal Processing Techniques | A2 | IS-Thu 1/1 | Invited Speaker Session | Measurements |
| García Fernández, María | 19 Mar 2020 | 17:20 | 17:40 | 3D-SAR Processing of UAV-mounted GPR Measurements: Dealing with Non-Uniform Sampling | B7 | T06-P12 | Radar, localisation and sensing for aircraft and automotive applications | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Propagation |
| García Muñoz, Luis Enrique | 16 Mar 2020 | 17:00 | 17:20 | A Photonic Beam-Steerable Mm-wave Antenna Array for Radio over Fiber Applications | A2 | T02-A04/1 | Millimetre wave arrays for mobile communications | T02 Millimetre wave 5G / Regular Session / Antennas |
| García Muñoz, Luis Enrique | 18 Mar 2020 | 09:50 | 10:10 | Compact Millimeter and Submillimeter-Wave Photonic Radiometer for Cubesats | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| García-del-Pino, Pedro | 17 Mar 2020 | 09:10 | 09:30 | Fade Slope Analysis with Q-band Alphasat Satellite Measurements in Madrid | B8 | T09-P08 | Satellite propagation | T09 Space (incl. cubesat) / Regular Session / Propagation |
| García-Marin, Eduardo | 17 Mar 2020 | 13:20 | 13:20 | Ka-band Multi-beam Planar Lens Antenna for 5G Applications | Exhibition Hall | Poster1-A09 | Poster Session 1: Lens antennas | Antennas |
| García-Marin, Eduardo | 18 Mar 2020 | 13:20 | 13:20 | Dual Circularly Polarized Waveguide Array Antenna Formed by Full-Metallic Bow-tie Radiating Cavities | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| García-Vigueras, María | 16 Mar 2020 | 17:00 | 17:20 | Dual-band Polarizing Screen Based on Self-Supported Metallic Structures | B1 | SW04 | COST Session CA18223 (SyMat): Periodic Structures with Higher Symmetries | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| García-Vigueras, María | 17 Mar 2020 | 09:30 | 09:50 | Additive Manufacturing: Enabling Technology for Active Antennas in LEO and GEO Satellites | B5 | CS01 | Active Antennas for Onboard Space Applications | T09 Space (incl. cubesat) / Convened Session / Antennas |
| García-Vigueras, María | 18 Mar 2020 | 13:20 | 13:20 | Three-Dimensional Frequency Selective Surface for Single-Polarized Filtering Applications with Angular Stability | Exhibition Hall | Poster2-E07 | Poster Session 2: Frequency and polarization selective surfaces | Electromagnetics |
| Gardner, Peter | 17 Mar 2020 | 13:20 | 13:20 | Theory, Design and Validation of a Tunable, Injection-Matched, 2-Port Antenna | A2 (Poster Area) | Convened Poster 1-CS17 | Antennas with Multi-Port/Distributed Feeding and On-Antenna Power-Combining for Efficient Integration and Reconfigurability | T02 Millimetre wave 5G / Convened Session / Antennas |
| Gardner, Peter | 17 Mar 2020 | 13:20 | 13:20 | Circuit-antenna Interactions in Multi-port Active Antennas | A2 (Poster Area) | Convened Poster 1-CS17 | Antennas with Multi-Port/Distributed Feeding and On-Antenna Power-Combining for Efficient Integration and Reconfigurability | T02 Millimetre wave 5G / Convened Session / Antennas |
| Garg, Rahul Kumar | 19 Mar 2020 | 13:20 | 13:20 | Clown Shaped Super Wideband Antenna | Exhibition Hall | Poster3-A16 | Poster Session 3: UWB antennas and time-domain techniques | Antennas |
| Garnero, Jean-Philippe | 18 Mar 2020 | 13:20 | 13:20 | Transmit-array Antenna Design for Broadband Backhaul 5G Communications at WiGIG Band | A2 (Poster Area) | Convened Poster 2-CS36 | Innovative Lens Antennas for Future Communication Systems | T02 Millimetre wave 5G / Convened Session / Antennas |
| Garrote Moreno, Roberto | 17 Mar 2020 | 13:20 | 13:20 | Tunable Dichroic Cell for Multi-band Reflector Antenna System | Exhibition Hall | Poster1-A18 | Poster Session 1: Reflector, feed systems, and components | Antennas |
| Gasparro, Giovanni | 17 Mar 2020 | 10:40 | 11:00 | Active Antennas for Earth Observation Missions in Thales Alenia Space Italia | B5 | CS01 | Active Antennas for Onboard Space Applications | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Gatica-Acevedo, Victor Jose | 18 Mar 2020 | 10:40 | 11:00 | Possibility of Signal Reflection from the Northern Crest of EIA: Case Study | B10 | T11-P04 | Experimental methods and campaigns | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Gaugue, Alain | 18 Mar 2020 | 13:20 | 13:20 | Antenna Adaptation Circuits for High Data Rate Magneto Inductive Underwater Communications | Exhibition Hall | Poster2-A02 | Poster Session 2: Antenna interactions and coupling | Antennas |
| Gayr, Donnacha | 18 Mar 2020 | 11:00 | 11:20 | The Optical Combiner of QUBIC: The Q & U Bolometric Interferometer for Cosmology | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Gayley, Karma | 19 Mar 2020 | 17:00 | 17:20 | Measurements of Opportunistic Aircraft Signals and Verification of a Propagation Prediction Tool in Mountainous Region | B7 | T06-P12 | Radar, localisation and sensing for aircraft and automotive applications | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Propagation |

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|---------------------------|-------------|-------|-------|---|------------------|------------------------|--|--|
| Geffrin, Jean-Michel | 19 Mar 2020 | 09:30 | 09:50 | Towards Asteroid Tomography: Modellings and Measurements Using an Analogue Model | B9 | T10-E05/1 | Electromagnetic Methods for Direct and Inverse Scattering Involving Stratified Media | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Geise, Robert | 18 Mar 2020 | 11:00 | 11:20 | RF-Signal Receiver for UAV-Based Characterisation of Aeronautical Navigation Systems | B11 | T06-M10 | UAV-Based Antenna Measurements (AMTA) | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Measurements |
| Gemmer, Thomas M | 19 Mar 2020 | 11:40 | 12:00 | Characterisation of a Fibre-Optic Active Probe for Compensation of the Test-Zone Field | B10 | CS07 | AMTA/EurAAP Session: Post Processing Techniques in Antenna Measurements | T11 Fundamental research and emerging technologies / Convened Session / Measurements |
| Gençer, Nevzat | 17 Mar 2020 | 13:20 | 13:20 | An Improved Receiver for Harmonic Motion Microwave Doppler Imaging | Exhibition Hall | Poster1-M04 | Poster Session 1: Data acquisition, imaging algorithms and processing methods | Measurements |
| Geng, Yangli-Ao | 18 Mar 2020 | 13:20 | 13:20 | Clustering Performance Evaluation Algorithm for Vehicle-to-Vehicle Radio Channels | Exhibition Hall | Poster2-P09 | Poster Session 2: Propagation for vehicular communications | Propagation |
| Gennarelli, Claudio | 19 Mar 2020 | 09:50 | 10:10 | AUT Far-Field Pattern Reconstruction from a Reduced Set of Spherical Near-Field Data Collected in Presence of an Infinite Perfectly Conducting Ground Plane | B10 | CS07 | AMTA/EurAAP Session: Post Processing Techniques in Antenna Measurements | T11 Fundamental research and emerging technologies / Convened Session / Measurements |
| Gennarelli, Claudio | 20 Mar 2020 | 12:00 | 12:20 | Echo Reduction Properties of Fast Non-Redundant Planar NF Sampling Methodologies | B2 | T02-M08 | Mm-wave, THz, and quasi-optical antenna measurements | T02 Millimetre wave 5G / Regular Session / Measurements |
| Gennarelli, Gianluca | 19 Mar 2020 | 09:10 | 09:30 | Micro-UAV Radar Imaging via DGPS and Microwave Tomography | B7 | T06-P09 | Propagation for Unmanned Aerial Vehicles (UAVs) | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Propagation |
| Genovesi, Simone | 18 Mar 2020 | 08:30 | 08:50 | Characteristic Mode Analysis for the Design of Nanosatellite Reconfigurable Antennas | B1 | CS45 | New Perspectives and Applications of Characteristic Mode Analysis in Antenna Design | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Gentile, Camillo | 17 Mar 2020 | 09:30 | 09:50 | Penetration Loss at 60 GHz for Indoor-to-Indoor and Outdoor-to-Indoor Mobile Scenarios | A3 | CS35 | IET/IRACON Session: Propagation Measurements and Modelling for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Gentner, Christian | 19 Mar 2020 | 12:00 | 12:20 | Physical Modeling for Device-Free Localization Exploiting Multipath Propagation of Mobile Radio Signals | B5 | CS25 | Convergence of Mobile Radio and Radar | T08 Positioning, localization & tracking / Convened Session / Propagation |
| Gentner, Philipp | 18 Mar 2020 | 09:10 | 09:30 | On the Use of Characteristic Mode Analysis for the Design of Antenna Arrays | B1 | CS45 | New Perspectives and Applications of Characteristic Mode Analysis in Antenna Design | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Georgakopoulos, Stavros | 18 Mar 2020 | 12:00 | 12:20 | A Reconfigurable Origami Reflectarray | A2 | T09-A19 | Reflect arrays and transmit arrays | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Georgoulas, Dimitrios | 17 Mar 2020 | 11:00 | 11:20 | Wearable 5-Gigahertz Wi-Fi Antenna Design Using Whale Optimization Algorithm | B10 | CS39 | Machine Learning in Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Georgoulas, Dimitrios | 18 Mar 2020 | 13:20 | 13:20 | Multiband Patch Antenna Design for RF Energy Harvesting Applications Using Coyote Optimization Algorithm | A2 (Poster Area) | Convened Poster 2-CS61 | Signal Processing Techniques for Advanced Electromagnetics Synthesis, Analysis, and Measurements | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Geran Gharakhili, Fatemeh | 18 Mar 2020 | 13:20 | 13:20 | A Novel Wearable RF Head Coil for High Resolution 7T Magnetic Resonance Imaging | Exhibition Hall | Poster2-A02 | Poster Session 2: Antenna interactions and coupling | Antennas |
| Gervasi, Massimo | 18 Mar 2020 | 11:00 | 11:20 | The Optical Combiner of QUBIC: The Q & U Bolometric Interferometer for Cosmology | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Geurts, Marcel | 17 Mar 2020 | 18:00 | 18:20 | A 5G Active Antenna Tile and Its Characterization in a Reverberation Chamber | B5 | CS28 | EuMA/EurAAP Session: From Radiating Section to Digital Interface - Research and Design Trends for an End-To-End Approach of Highly Integrated Active Antenna Systems | T02 Millimetre wave 5G / Convened Session / Antennas |
| Geurts, Marcel | 17 Mar 2020 | 17:00 | 17:20 | Towards the Realization of the E-Wall Concept at Mm-Waves | A3 | CS56 | Recent Advances on Electronically Steerable Antenna Arrays at mm-Wave Frequencies | T02 Millimetre wave 5G / Convened Session / Antennas |
| Geurts, Marcel | 19 Mar 2020 | 13:20 | 13:20 | Post-Manufacturing Calibration Procedure for Medium-Sized Silicon-Based Active Phased Arrays for mm-Wave Wireless Communications | Exhibition Hall | Poster3-A14 | Poster Session 3: Active and integrated antennas | Antennas |
| Ghalichechian, Nima | 20 Mar 2020 | 08:50 | 09:10 | Steerable Reflectarray Using Tunable Height Dielectric for High-Power Applications | B8 | CS59 | Reconfigurable Reflectarray and Transmitarrays | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Ghasemifard, Fatemeh | 16 Mar 2020 | 16:40 | 17:00 | Mode-matching Analysis of Loaded Transmission Lines with Twist Symmetries | B1 | SW04 | COST Session CA18223 (SyMat): Periodic Structures with Higher Symmetries | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Ghasemifard, Fatemeh | 16 Mar 2020 | 17:40 | 18:00 | Propagation Characteristics in Substrate Integrated Holey Metasurfaces | B11 | T11-E08 | Metamaterials, metasurfaces and advanced materials | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Ghasemifard, Fatemeh | 17 Mar 2020 | 08:50 | 09:10 | Elliptical Glide-Symmetric Holey Metasurfaces for Wideband Anisotropy | B9 | CS09 | Analytical and Numerical Methods for Metasurface Analysis and Design | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Ghavami, Navid | 18 Mar 2020 | 08:30 | 08:50 | Limited-view Prototype Design for Radar-based Fruit Imaging | B9 | CS66 | Unconventional Techniques and Applications for Inverse Scattering Problems | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Ghiaasi, Golsa | 17 Mar 2020 | 08:50 | 09:10 | A Hardware-in-the-Loop Evaluation of the Impact of the V2X Channel on the Traffic-Safety Versus Efficiency Trade-offs | A3 | CS35 | IET/IRACON Session: Propagation Measurements and Modelling for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Ghiaasi, Golsa | 17 Mar 2020 | 13:20 | 13:20 | A Bandwidth Scalable Millimetre Wave Over-The-Air Test System with Low Complexity | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |

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| Gholami, Reza | 19 Mar 2020 | 10:40 | 11:00 | Overview of Surface-Volume-Surface Electric Field Integral Equation Formulations for 3-D Composite Metal-Dielectric Objects | B8 | CS30 | Fundamental Challenges and Novel Methodologies in the Next-Generation Computational Electromagnetics | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Ghorbani, Farhad | 19 Mar 2020 | 13:20 | 13:20 | A Sectoral Conformal Array Antenna with an Improved Circular Polarized Patch for UHF Radiosonde Receivers | Exhibition Hall | Poster3-A13 | Poster Session 3: Adaptive and reconfigurable antennas | Antennas |
| Giacomini, Andrea | 18 Mar 2020 | 11:00 | 11:20 | OTA Testing of Antennas & Devices Using Plane Wave Generator or Synthesizer | A3 | CS06 | AMTA/IRACON Session: Over-The-Air Testing of 5G Radios | T02 Millimetre wave 5G / Convened Session / Measurements |
| Giacomini, Andrea | 20 Mar 2020 | 09:10 | 09:30 | Gaussian Horn Implemented by Metasurfaces | B1 | CS33 | IET Session: New Antenna Systems Involving Application of Metamaterials and Metasurfaces | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Gianesello, Frédéric | 16 Mar 2020 | 14:30 | 14:50 | 3-D Printed High-Efficiency Wideband 2X2 and 4X4 Double-Ridged Waveguide Antenna Arrays for Ku-Band Satcom-On-The-Move Applications | A2 | CS02 | Advanced Antenna Arrays for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Antennas |
| Gianesello, Frédéric | 16 Mar 2020 | 16:20 | 16:40 | Near-field Measurement and Far-field Characterization of a J-band Antenna Based on an Electro-optic Sensing | B7 | T06-M03 | Near-field, far-field, compact and RCS range measurement techniques | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Measurements |
| Gianesello, Frédéric | 18 Mar 2020 | 13:20 | 13:20 | Transmit-array Antenna Design for Broadband Backhaul 5G Communications at WiGIG Band | A2 (Poster Area) | Convened Poster 2-CS36 | Innovative Lens Antennas for Future Communication Systems | T02 Millimetre wave 5G / Convened Session / Antennas |
| Gianesello, Frédéric | 19 Mar 2020 | 11:20 | 11:40 | Portable, Freehand System for Antenna Diagnosis Using Amplitude-Only Data | B10 | CS07 | AMTA/EurAAP Session: Post Processing Techniques in Antenna Measurements | T11 Fundamental research and emerging technologies / Convened Session / Measurements |
| Gil Cano, Julio Daniel | 17 Mar 2020 | 11:00 | 11:20 | Pilot Patient Study with the Wavelia Microwave Breast Imaging System for Breast Cancer Detection: Clinical Feasibility and Identified Technical Challenges | B6 | CS60 | Sensors and Systems for Microwave Biomedical Imaging and Sensing | T05 Biomedical and health / Convened Session / Antennas |
| Gil Martinez, Alejandro | 16 Mar 2020 | 15:10 | 15:30 | Direct Synthesis of Frequency-Scanned Monopulse Half-Width Microstrip Leaky-Wave Antennas | B2 | CS21 | Challenges in Leaky Wave Antennas and Novel Approaches to Solve Them | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Gil Martinez, Alejandro | 19 Mar 2020 | 11:20 | 11:40 | Frequency-Scanned Focused Leaky-Wave Antennas for Direction-of-Arrival Detection in Proximity BLE Sensing Applications | B4 | CS44 | Near-Field Focusing and Pulse Generation Through Localized Waves | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Gil, Ignacio | 17 Mar 2020 | 17:20 | 17:40 | Effect of Bending on a Textile UHF-RFID Tag Antenna | B2 | T04-A15 | RFID and backscattering antennas | T04 IoT and M2M / Regular Session / Antennas |
| Gillard, Raphael | 16 Mar 2020 | 16:20 | 16:40 | Preliminary Co-Design of L and X-band Stacked Arrays with Scanning Capabilities | B4 | T07-A17 | Multiband, wideband and array antennas | T07 Defence and security / Regular Session / Antennas |
| Gillard, Raphael | 18 Mar 2020 | 13:20 | 13:20 | Three-Dimensional Frequency Selective Surface for Single-Polarized Filtering Applications with Angular Stability | Exhibition Hall | Poster2-E07 | Poster Session 2: Frequency and polarization selective surfaces | Electromagnetics |
| Gillard, Raphael | 20 Mar 2020 | 11:40 | 12:00 | A Design Methodology for Reconfigurable Reflectarrays with a Deformable Ground | B8 | CS59 | Reconfigurable Reflectarray and Transmitarrays | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Gillner, Arnold | 18 Mar 2020 | 08:50 | 09:10 | Optically Transparent Antenna Integrated Inside a Headlamp for Automotive Radar Application | B7 | T06-A17 | Automotive antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Ginzburg, Pavel | 17 Mar 2020 | 18:00 | 18:20 | Dynamically Reconfigurable Metamaterial-Based Scatterer | B4 | CS67 | Water-Based Microwave Devices | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Giordanengo, Giorgio | 17 Mar 2020 | 10:40 | 11:00 | Fast Antenna Array Characterization with Numerical Basis Functions | B4 | T10-M10 | General Antenna Measurements | T10 EM modelling and simulation tools / Regular Session / Measurements |
| Giordanengo, Giorgio | 17 Mar 2020 | 18:00 | 18:20 | Liquid Crystal-based Reconfigurable Metasurface for Beam Scanning at Millimeter Wave Frequencies | A3 | CS56 | Recent Advances on Electronically Steerable Antenna Arrays at mm-Wave Frequencies | T02 Millimetre wave 5G / Convened Session / Antennas |
| Giordanengo, Giorgio | 19 Mar 2020 | 10:40 | 11:00 | Diagnostics on Electrically Large Structures by a Nested Skeletonization Scheme Enhancement of the Equivalent Current Technique | B10 | CS07 | AMTA/EurAAP Session: Post Processing Techniques in Antenna Measurements | T11 Fundamental research and emerging technologies / Convened Session / Measurements |
| Giordanengo, Giorgio | 19 Mar 2020 | 12:00 | 12:20 | Temperature-Corrected SAR Focusing in Cancer Hyperthermia | B7 | T11-P10 | Propagation in biological tissues | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Giordanengo, Giorgio | 19 Mar 2020 | 16:40 | 17:00 | Equivalent Source Technique Processing of Broadband Antenna Measurements | B10 | CS48 | Novel Antenna Measurement Data Analysis and Techniques | T11 Fundamental research and emerging technologies / Convened Session / Measurements |
| Giordani, Roberto | 17 Mar 2020 | 10:40 | 11:00 | Active Antennas for Earth Observation Missions in Thales Alenia Space Italia | B5 | CS01 | Active Antennas for Onboard Space Applications | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Girard, Etienne | 18 Mar 2020 | 13:20 | 13:20 | Parallel-Plate Waveguide Lens for Mechanical Beam Scanning Using Gap Waveguide Feed System | A2 (Poster Area) | Convened Poster 2-CS36 | Innovative Lens Antennas for Future Communication Systems | T02 Millimetre wave 5G / Convened Session / Antennas |
| Giraud-Heraud, Yannick | 18 Mar 2020 | 11:00 | 11:20 | The Optical Combiner of QUBIC: The Q & U Bolometric Interferometer for Cosmology | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Giroto de Oliveira, Lucas | 19 Mar 2020 | 08:50 | 09:10 | An OCDM Radar-Communication System | B5 | CS25 | Convergence of Mobile Radio and Radar | T08 Positioning, localization & tracking / Convened Session / Propagation |
| Giusto, Roberto | 18 Mar 2020 | 13:20 | 13:20 | Analytical Study of Dielectric-wall Conical Horn Antennas | A2 (Poster Area) | Convened Poster 2-CS50 | Novel Wave Phenomena in Metamaterials and Metasurfaces Applied to Antennas and Propagation | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Giusto, Roberto | 18 Mar 2020 | 13:20 | 13:20 | Ray-tracing in Dielectric Inhomogeneous Metalenses | A2 (Poster Area) | Convened Poster 2-CS50 | Novel Wave Phenomena in Metamaterials and Metasurfaces Applied to Antennas and Propagation | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Glybovski, Stanislav | 16 Mar 2020 | 17:20 | 17:40 | Investigation of Surface Waves on Anisotropic Self-Complementary Metasurfaces | B10 | CS24 | Controlling EM Waves with Low- and High-Dimensional Metamaterials | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |

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| Glybovski, Stanislav | 17 Mar 2020 | 08:30 | 08:50 | Metasurface for Dense Dipole Array Decoupling in Ultra-High Field MRI | B9 | CS09 | Analytical and Numerical Methods for Metasurface Analysis and Design | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Glybovski, Stanislav | 17 Mar 2020 | 11:20 | 11:40 | An Artificial Shield for MRI Birdcage Coil with Constructive Interference | B9 | CS09 | Analytical and Numerical Methods for Metasurface Analysis and Design | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Glybovski, Stanislav | 17 Mar 2020 | 17:20 | 17:40 | Water-assisted Metasurface for Wireless Power Transfer | B4 | CS67 | Water-Based Microwave Devices | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Glybovski, Stanislav | 19 Mar 2020 | 13:20 | 13:20 | THz Power Divider Based on Self-Complementary Metasurface | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Glybovski, Stanislav | 19 Mar 2020 | 13:20 | 13:20 | Preliminary Investigation of B-dot Wire Concept | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Goan, Hsi-Sheng | 19 Mar 2020 | 13:20 | 13:20 | Low Attenuation Dichroic Sub-Reflector for Wide Incident Angles for Ka/Ku Band Satellite Antenna Systems: An ECA Analysis | Exhibition Hall | Poster3-A11 | Poster Session 3: Multiband and wideband antennas | Antennas |
| Godinho, Daniela M. | 18 Mar 2020 | 11:00 | 11:20 | Extracting Dielectric Properties for MRI-based Phantoms for Axillary Microwave Imaging Device | B6 | SW03 | COST Session CA17115 (MyWAVE): Supporting Medical Device Development via Dielectric and Thermal Tissue Characterization | T05 Biomedical and health / Convened Session / Measurements |
| Goehringer, Diana | 18 Mar 2020 | 13:20 | 13:20 | Simulation Validation of High Resolution Indoor Terahertz Synthetic Aperture Radar Imaging | Exhibition Hall | Poster2-P12 | Poster Session 2: Radar, localisation, and sensing | Propagation |
| Goethals, Jasper | 17 Mar 2020 | 13:20 | 13:20 | Combined Antenna-Channel Characterization for Wireless Communication from Horse Hoof to Base Station | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Goh, Cindy | 17 Mar 2020 | 13:20 | 13:20 | Direction of Arrival Estimation Using Hybrid Spatial Cross-Cumulants and Root-MUSIC | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Gold, Gerald | 19 Mar 2020 | 13:20 | 13:20 | 3D Printed Helix Antenna for 77 GHz | Exhibition Hall | Poster3-A21 | Poster Session 3: Additive manufacturing | Antennas |
| Golestani, Negar | 16 Mar 2020 | 13:50 | 14:10 | A Comparison of Machine Learning Classifiers for Human Activity Recognition Using Magnetic Induction-based Motion Signals | B9 | CS64 | Trends and Advances in Machine Learning for Applied Electromagnetics | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Golmie, Nada | 17 Mar 2020 | 09:30 | 09:50 | Penetration Loss at 60 GHz for Indoor-to-Indoor and Outdoor-to-Indoor Mobile Scenarios | A3 | CS35 | IET/IRACON Session: Propagation Measurements and Modelling for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Golubicic, Zoran | 17 Mar 2020 | 13:20 | 13:20 | K-band Feed and Transceiver with Compact Monopulse Tracking Coupler for Deep Space Applications | Exhibition Hall | Poster1-A18 | Poster Session 1: Reflector, feed systems, and components | Antennas |
| Gomanne, Sophie-Abigael | 16 Mar 2020 | 14:30 | 14:50 | Rotman Lenses with Ridged Waveguides in Q-Band | B8 | T09-A09 | Millimetre wave lens antennas for space applications | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Gomes, Matheus | 19 Mar 2020 | 13:20 | 13:20 | Validation Tests for the Application of a Circular PMA with Slotted Ground Plane for Partial Discharges Detection in Power Transformers | Exhibition Hall | Poster3-A11 | Poster Session 3: Multiband and wideband antennas | Antennas |
| Gomez-Diaz, Juan Sebastián | 18 Mar 2020 | 09:50 | 10:10 | Nonreciprocal Antennas Based on Time-Modulation: Challenges and Opportunities | B5 | CS47 | Non-Magnetic Nonreciprocity | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Gomez-Diaz, Juan Sebastián | 20 Mar 2020 | 10:40 | 11:00 | Time Modulated Reflectarray Unit-Cells with Nonreciprocal Polarization Control | B8 | CS59 | Reconfigurable Reflectarray and Transmitarrays | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Gómez-Guillamón Buendía, Victoria | 19 Mar 2020 | 10:40 | 11:00 | 2-D Planar Leaky-wave Antenna with Fixed Frequency Beam Steering Through Broadside | B2 | CS46 | New Trends in Leaky Wave Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Gómez-Tornero, Jose-Luis | 16 Mar 2020 | 15:10 | 15:30 | Direct Synthesis of Frequency-Scanned Monopulse Half-Width Microstrip Leaky-Wave Antennas | B2 | CS21 | Challenges in Leaky Wave Antennas and Novel Approaches to Solve Them | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Gómez-Tornero, Jose-Luis | 19 Mar 2020 | 11:20 | 11:40 | Frequency-Scanned Focused Leaky-Wave Antennas for Direction-of-Arrival Detection in Proximity BLE Sensing Applications | B4 | CS44 | Near-Field Focusing and Pulse Generation Through Localized Waves | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Gong, Xun | 20 Mar 2020 | 09:10 | 09:30 | Bandwidth and Efficiency Enhancement for 2-D Beamscanning Reflectarray Operating at X Band | B8 | CS59 | Reconfigurable Reflectarray and Transmitarrays | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Gonzalez, Alvaro | 18 Mar 2020 | 12:00 | 12:20 | Design and Characterization of 275-500 GHz Corrugated Horns and Optics for a Wideband Radio Astronomy Receiver | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Gonzalez, Cebrian | 16 Mar 2020 | 15:10 | 15:30 | All-Metal Graded Index Gutman Lens Antenna - A More Compact Luneburg Lens | B8 | T09-A09 | Millimetre wave lens antennas for space applications | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Gonzalez, Ignacio | 17 Mar 2020 | 16:40 | 17:00 | Active Antenna Architectures for Enhanced 5G System Performance | B5 | CS28 | EuMA/EurAAP Session: From Radiating Section to Digital Interface - Research and Design Trends for an End-To-End Approach of Highly Integrated Active Antenna Systems | T02 Millimetre wave 5G / Convened Session / Antennas |
| Gonzalez-Esparza, Juan Americo | 18 Mar 2020 | 10:40 | 11:00 | Possibility of Signal Reflection from the Northern Crest of EIA: Case Study | B10 | T11-P04 | Experimental methods and campaigns | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| González-López, Giselle | 19 Mar 2020 | 11:00 | 11:20 | Optimal Probe Geometry for Microwave Monitoring During in-Lab Ex-Vivo Measurements | B6 | T05-A12/2 | Point of Care Microwave Sensors | T05 Biomedical and health / Regular Session / Antennas |
| González-López, Giselle | 19 Mar 2020 | 13:20 | 13:20 | Antenna Packaging for In-body Applications | Exhibition Hall | Poster3-A12 | Poster Session 3: Wearable and implantable antennas | Antennas |
| González-Ovejero, David | 16 Mar 2020 | 13:30 | 13:50 | Quasi-Optical Excitation of a Circularly-Polarized Metasurface Antenna at K-band | B2 | CS21 | Challenges in Leaky Wave Antennas and Novel Approaches to Solve Them | T11 Fundamental research and emerging technologies / Convened Session / Antennas |

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|-------------------------|-------------|-------|-------|---|------------------|------------------------|---|--|
| González-Ovejero, David | 16 Mar 2020 | 13:50 | 14:10 | Broadband Offset-Reflector Beamformer on BCB in the 300-GHz Band | B10 | CS24 | Controlling EM Waves with Low- and High-Dimensional Metamaterials | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| González-Ovejero, David | 16 Mar 2020 | 14:50 | 15:10 | A Method for Extending the Bandwidth of Modulated Metasurface Antennas | B10 | CS24 | Controlling EM Waves with Low- and High-Dimensional Metamaterials | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| González-Ovejero, David | 16 Mar 2020 | 17:00 | 17:20 | A Photonic Beam-Steerable Mm-wave Antenna Array for Radio over Fiber Applications | A2 | T02-A04/1 | Millimetre wave arrays for mobile communications | T02 Millimetre wave 5G / Regular Session / Antennas |
| González-Ovejero, David | 17 Mar 2020 | 12:00 | 12:20 | Dual-Band Beams Generation with Metasurface Based on the EFIE | B9 | CS09 | Analytical and Numerical Methods for Metasurface Analysis and Design | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| González-Ovejero, David | 18 Mar 2020 | 08:30 | 08:50 | Towards a Si/GaAs Based Flat-Panel Quasi-Optical Metasurface Antenna with Switchable Beam Characteristics | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| González-Ovejero, David | 18 Mar 2020 | 13:20 | 13:20 | Recent Advances on Modulated Metasurface Antennas for SatCom | A2 (Poster Area) | Convened Poster 2-CS41 | Metasurfaces for Mobile (5G and Beyond) and Satellite Communication Systems | T09 Space (incl. cubesat) / Convened Session / Antennas |
| González-Ovejero, David | 19 Mar 2020 | 08:50 | 09:10 | Terahertz X-wave Launchers by Metallic Spline-Profiled Horns | B4 | CS44 | Near-Field Focusing and Pulse Generation Through Localized Waves | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Gonzalo, Ramon | 18 Mar 2020 | 10:40 | 11:00 | Comparison of Modified Soret Lenses for Dual Band Integrated Detectors | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Goodarzi, Pouya | 18 Mar 2020 | 13:20 | 13:20 | A Novel Wearable RF Head Coil for High Resolution 7T Magnetic Resonance Imaging | Exhibition Hall | Poster2-A02 | Poster Session 2: Antenna interactions and coupling | Antennas |
| Gotra, Shailza | 16 Mar 2020 | 14:10 | 14:30 | Axial-ratio Tuning in Nano-Dielectric Resonator Antenna for Optical Band Applications | B4 | T07-A | Antenna theory and system design | T07 Defence and security / Regular Session / Antennas |
| Gottardi, Giorgio | 17 Mar 2020 | 13:20 | 13:20 | From "Hostile" to "Nice" Environment in Communication and Sensing | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Gottardi, Giorgio | 18 Mar 2020 | 11:00 | 11:20 | Advanced Teaching in Electromagnetics at the ELEDIA Research Center | B4 | CS26 | Education in Electromagnetics, Antennas, and Microwaves | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Gottardi, Giorgio | 18 Mar 2020 | 13:20 | 13:20 | Dielectric Rectangular Lens for Antenna Array Scanloss Mitigation | A2 (Poster Area) | Convened Poster 2-CS50 | Novel Wave Phenomena in Metamaterials and Metasurfaces Applied to Antennas and Propagation | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Göttel, Benjamin | 17 Mar 2020 | 13:20 | 13:20 | In-Antenna Power Combining for Highly-Integrated Millimeter-Wave Transmitters | A2 (Poster Area) | Convened Poster 1-CS17 | Antennas with Multi-Port/Distributed Feeding and On-Antenna Power-Combining for Efficient Integration and Reconfigurability | T02 Millimetre wave 5G / Convened Session / Antennas |
| Göttel, Benjamin | 18 Mar 2020 | 13:20 | 13:20 | Circular-Polarization Mushroom EBG Antenna Module for 122 GHz Monostatic Radar Sensor in LTCC Technology | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Goudos, Sotirios | 16 Mar 2020 | 13:30 | 13:50 | Modelling Ray Tracing Propagation Data Using Different Machine Learning Algorithms | B9 | CS64 | Trends and Advances in Machine Learning for Applied Electromagnetics | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Goudos, Sotirios | 17 Mar 2020 | 11:00 | 11:20 | Wearable 5-Gigahertz Wi-Fi Antenna Design Using Whale Optimization Algorithm | B10 | CS39 | Machine Learning in Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Goudos, Sotirios | 18 Mar 2020 | 13:20 | 13:20 | Multiband Patch Antenna Design for RF Energy Harvesting Applications Using Coyote Optimization Algorithm | A2 (Poster Area) | Convened Poster 2-CS61 | Signal Processing Techniques for Advanced Electromagnetics Synthesis, Analysis, and Measurements | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Gougeon, Grégory | 17 Mar 2020 | 13:20 | 13:20 | Assessment of sub-THz Mesh Backhaul Capabilities from Realistic Modelling at the PHY Layer | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Goussetis, George | 16 Mar 2020 | 15:10 | 15:30 | All-Metal Graded Index Gutman Lens Antenna - A More Compact Luneburg Lens | B8 | T09-A09 | Millimetre wave lens antennas for space applications | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Goussetis, George | 17 Mar 2020 | 13:20 | 13:20 | Design of a Dual-Circularly-Polarized Stacked Patch Antenna for SOTM Application at Ka-band | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Goussetis, George | 18 Mar 2020 | 09:30 | 09:50 | Band Enhancement in Reflectarrays for Space Communications Based on Multi-Frequency Synthesis Procedure | A2 | T09-A19 | Reflect arrays and transmit arrays | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Goussetis, George | 18 Mar 2020 | 13:20 | 13:20 | Parallel-Plate Waveguide Lens for Mechanical Beam Scanning Using Gap Waveguide Feed System | A2 (Poster Area) | Convened Poster 2-CS36 | Innovative Lens Antennas for Future Communication Systems | T02 Millimetre wave 5G / Convened Session / Antennas |
| Goussetis, George | 19 Mar 2020 | 13:20 | 13:20 | A Compact and Broadband Four-Way Dual Polarization Waveguide Power Divider for Antenna Arrays | Exhibition Hall | Poster3-A14 | Poster Session 3: Active and integrated antennas | Antennas |
| Goussetis, George | 20 Mar 2020 | 11:40 | 12:00 | A Design Methodology for Reconfigurable Reflectarrays with a Deformable Ground | B8 | CS59 | Reconfigurable Reflectarray and Transmitarrays | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Gradoni, Gabriele | 19 Mar 2020 | 09:10 | 09:30 | Reflected Wave Fields from a Fluctuating Earth Surface - a Phase-Space Approach | B9 | T10-E05/1 | Electromagnetic Methods for Direct and Inverse Scattering Involving Stratified Media | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Gradoni, Gabriele | 20 Mar 2020 | 10:40 | 11:00 | Towards Hybrid Statistical-Deterministic Wireless Channel Modelling of Multiroom Environments | B11 | CS20 | Assessment and Modeling of Antennas and Radio Channels Jointly | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Gradziel, Marcin | 18 Mar 2020 | 08:50 | 09:10 | Analysis Methods for Multimoded Horns for Future THz Missions (SAFARI Instrument for SPICA) | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Gradziel, Marcin | 18 Mar 2020 | 11:00 | 11:20 | The Optical Combiner of QUBIC: The Q & U Bolometric Interferometer for Cosmology | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |

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| Gradziel, Marcin | 18 Mar 2020 | 13:20 | 13:20 | Application of non-PEC Walled Mode-Matching Techniques to a Prototype SAFARI M-band Multi-Mode Receiver | Exhibition Hall | Poster2-E03 | Poster Session 2: Computational and numerical techniques | Electromagnetics |
| Graham, Janalee | 16 Mar 2020 | 14:50 | 15:10 | Experimental Comparison of Vehicular Antenna Measurements Performed over Different Floors | B7 | CS05 | AMTA Session: Automotive Antenna Measurements and Testing | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Convened Session / Measurements |
| Grandsire, Laurent | 18 Mar 2020 | 11:00 | 11:20 | The Optical Combiner of QUBIC: The Q & U Bolometric Interferometer for Cosmology | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Granet, Christophe | 16 Mar 2020 | 13:50 | 14:10 | Axially-Corrugated X-Band Horn Design with Integrated TE21 Monopulse Tracking in Corrugation | B5 | T08-A17 | Antennas and techniques for positioning and direction finding | T08 Positioning, localization & tracking / Regular Session / Antennas |
| Granet, Christophe | 18 Mar 2020 | 08:30 | 08:50 | Multifocus Reflectarray Concept: Preliminary Design and Possible Applications | A2 | T09-A19 | Reflect arrays and transmit arrays | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Grassi, Flavia | 17 Mar 2020 | 08:50 | 09:10 | Machine Learning-Based Hybrid Random-Fuzzy Modeling Framework for Antenna Design | B10 | CS39 | Machine Learning in Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Grbic, Anthony | 16 Mar 2020 | 15:10 | 15:30 | Analytic Design of Dual-Band, Dual-Polarized LP-to-CP Polarization Converters | B10 | CS24 | Controlling EM Waves with Low- and High-Dimensional Metamaterials | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Grbic, Anthony | 16 Mar 2020 | 14:10 | 14:30 | Ultra-Wide Band Non-Dispersive Leaky-Wave Antenna Based on Glide-Symmetric Meandered Transmission Lines | B1 | SW04 | COST Session CA18223 (SyMat): Periodic Structures with Higher Symmetries | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Grbic, Anthony | 18 Mar 2020 | 10:40 | 11:00 | A Spatio-Temporally Modulated Metasurface as a Free-Space N-Path System | B5 | CS47 | Non-Magnetic Nonreciprocity | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Grbic, Anthony | 19 Mar 2020 | 11:40 | 12:00 | Cylindrical Aperture Synthesis with Metasurfaces | B2 | CS46 | New Trends in Leaky Wave Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Grbic, Anthony | 20 Mar 2020 | 09:50 | 10:10 | Design of Multilayer, Dualband Metasurface Reflectarrays | B8 | CS59 | Reconfigurable Reflectarray and Transmitarrays | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Greco, Francesco | 18 Mar 2020 | 13:20 | 13:20 | A Wide-Angle Scanning Polarization Converter Based on Jerusalem-Cross Frequency Selective Surface | Exhibition Hall | Poster2-E07 | Poster Session 2: Frequency and polarization selective surfaces | Electromagnetics |
| Greedy, Steve | 19 Mar 2020 | 13:20 | 13:20 | A Passive RFID Tag for Biomass Tracking | Exhibition Hall | Poster3-A15 | Poster Session 3: RFID antennas/sensors and systems | Antennas |
| Greenberg, Eran | 17 Mar 2020 | 13:20 | 13:20 | Wall Parameters Sensitivity for Indoor Radio Waves Attenuation | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Greenberg, Eran | 19 Mar 2020 | 11:40 | 12:00 | Channel Modeling for Wireless Sensor Networks Deployment in the Smart City | B1 | T01-P02 | Propagation modelling and simulation | T01 LTE and Sub-6GHz 5G / Regular Session / Propagation |
| Gregersen, Niels | 17 Mar 2020 | 17:00 | 17:20 | Modeling of Quantum-Dot Elliptical Nanowire Single-Photon Sources | B11 | T10-E03/2 | Computational and numerical techniques 2 | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Gregson, Stuart F | 18 Mar 2020 | 08:30 | 08:50 | Examining and Optimising Far-Field Multi-Probe Anechoic Chambers for SGNR OTA Testing of Massive MIMO Systems | A3 | CS06 | AMTA/IRACON Session: Over-The-Air Testing of 5G Radios | T02 Millimetre wave 5G / Convened Session / Measurements |
| Gretzki, Patrick | 18 Mar 2020 | 08:50 | 09:10 | Optically Transparent Antenna Integrated Inside a Headlamp for Automotive Radar Application | B7 | T06-A17 | Automotive antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Grimault, Anne-sophie | 16 Mar 2020 | 13:50 | 14:10 | Broadband Offset-Reflector Beamformer on BCB in the 300-GHz Band | B10 | CS24 | Controlling EM Waves with Low- and High-Dimensional Metamaterials | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Groll, Herbert | 16 Mar 2020 | 13:30 | 13:50 | 60 GHz V2I Channel Variability for Different Elevation Angle Switching Strategies | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Groll, Herbert | 17 Mar 2020 | 13:20 | 13:20 | A Bandwidth Scalable Millimetre Wave Over-The-Air Test System with Low Complexity | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Gross, Nicolas | 18 Mar 2020 | 11:00 | 11:20 | OTA Testing of Antennas & Devices Using Plane Wave Generator or Synthesizer | A3 | CS06 | AMTA/IRACON Session: Over-The-Air Testing of 5G Radios | T02 Millimetre wave 5G / Convened Session / Measurements |
| Grundmann, Lukas | 17 Mar 2020 | 11:40 | 12:00 | Performance Investigation of a Handset Antenna Using a C-tuner for Aperture Tuning | B2 | CS16 | Antennas in IoT Wireless Devices: Modelling and Industrial Considerations | T04 IoT and M2M / Convened Session / Antennas |
| Grythe, Knut | 17 Mar 2020 | 13:20 | 13:20 | Electromagnetic Pipeline Coating Communication for IoT Condition Monitoring of Subsea O&G Pipelines | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Grzeskowiak, Marjorie | 18 Mar 2020 | 13:20 | 13:20 | Design of a Tunable Subwavelength Plasma-Based Resonator for Electrically Small Antenna Applications in L-band | A2 (Poster Area) | Convened Poster 2-CS29 | Exotic Antennas from Nano to Macro Scales | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Grzeskowiak, Marjorie | 19 Mar 2020 | 13:20 | 13:20 | A Bird-Cage Coil for MRI Studies of Unsaturated Granular Materials | Exhibition Hall | Poster3-A23 | Poster Session 3: Other antenna topics | Antennas |
| Gu, Chao | 19 Mar 2020 | 13:20 | 13:20 | Study of Broadband/Dual-band Stack Prism Absorber | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Gu, Yong | 17 Mar 2020 | 13:20 | 13:20 | A Novel 3D Beam Training Strategy for mmWave UAV Communications | Exhibition Hall | Poster1-P03 | Poster Session 1: Channel sounding and parameter estimation techniques | Propagation |
| Guan, Ke | 16 Mar 2020 | 14:50 | 15:10 | Millimeter-Wave Channel Characterization for Vehicle-to-Infrastructure Communication | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Guan, Ke | 17 Mar 2020 | 09:50 | 10:10 | Hybrid Channel Modeling for Intra-Wagon Communication in Millimeter-Wave Band | A3 | CS35 | IET/IRACON Session: Propagation Measurements and Modelling for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Guan, Ke | 17 Mar 2020 | 12:00 | 12:20 | Wideband Dual-Polarized Patch Antenna with Capacitive Coupling for mm-Wave Bands | A2 | T02-A04/2 | Millimetre wave arrays for mobile terminals | T02 Millimetre wave 5G / Regular Session / Antennas |

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| Guan, Ke | 20 Mar 2020 | 09:10 | 09:30 | The Influence of Self-User Shadowing in the Intra-Metro Communication Scenario at 28 GHz | B11 | CS20 | Assessment and Modeling of Antennas and Radio Channels Jointly | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Guan, Ke | 20 Mar 2020 | 09:50 | 10:10 | Implementation and Evaluation of Ray-Tracing Acceleration Methods in Wireless Communication | B9 | T10-P02 | Propagation modelling and simulation | T10 EM modelling and simulation tools / Regular Session / Propagation |
| Guan, Yicheng | 18 Mar 2020 | 13:20 | 13:20 | A Comparative Study for Indoor Factory Environments at 4.9 and 28 GHz | Exhibition Hall | Poster2-P05 | Poster Session 2: Mm-wave and UWB propagation | Propagation |
| Guerriero, Rocco | 19 Mar 2020 | 09:50 | 10:10 | AUT Far-Field Pattern Reconstruction from a Reduced Set of Spherical Near-Field Data Collected in Presence of an Infinite Perfectly Conducting Ground Plane | B10 | CS07 | AMTA/EurAAP Session: Post Processing Techniques in Antenna Measurements | T11 Fundamental research and emerging technologies / Convened Session / Measurements |
| Guerriero, Rocco | 20 Mar 2020 | 12:00 | 12:20 | Echo Reduction Properties of Fast Non-Redundant Planar NF Sampling Methodologies | B2 | T02-M08 | Mm-wave, THz, and quasi-optical antenna measurements | T02 Millimetre wave 5G / Regular Session / Measurements |
| Gueuning, Quentin | 17 Mar 2020 | 17:20 | 17:40 | A Beamforming Approach to the Self-Calibration of Phased Arrays | B8 | CS15 | Antennas for Radio Astronomy | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Guevara, Dinael | 17 Mar 2020 | 13:20 | 13:20 | Modified Two-Ray Model with UTD and Atmospheric Effects | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Guglielmi, Marco | 17 Mar 2020 | 12:00 | 12:20 | Multibeam Array Antennas Based on Evanescent-Mode Ridge-Waveguide Radiating Filters | B5 | CS01 | Active Antennas for Onboard Space Applications | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Guiducci, Doriana | 20 Mar 2020 | 09:50 | 10:10 | Regulatory Requirements and Characterisation of Transmitter and Receiver Parameters to Set a Novel Framework for Spectrum Sharing | A3 | CS37 | IRACON Spectrum Sharing: Challenges and Opportunities for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Guifeng, Liu | 19 Mar 2020 | 13:20 | 13:20 | Roof/Side Mount Combination Antenna for LTE and Satellite Communication Applications | Exhibition Hall | Poster3-A11 | Poster Session 3: Multiband and wideband antennas | Antennas |
| Guo, Lu | 18 Mar 2020 | 09:50 | 10:10 | A Wideband Reflectarray Using Slotted Patch with Concave Arms | A2 | T09-A19 | Reflect arrays and transmit arrays | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Guo, Qing-Yi | 19 Mar 2020 | 16:40 | 17:00 | Directive Beam Radiation by A Fresnel Zone Plate Integrated Partially Reflective Surface for Millimeter-wave Applications | A3 | CS49 | Novel Techniques for Beam Manipulation at Millimeter | T02 Millimetre wave 5G / Convened Session / Antennas |
| Guo, Y Jay | 17 Mar 2020 | 13:20 | 13:20 | Ultrawideband Transmitarray Employing Connected Slot-Bowtie Dipole Elements | Exhibition Hall | Poster1-A19 | Poster Session 1: Reflect arrays and transmit arrays | Antennas |
| Guo, Y. Jay | 16 Mar 2020 | 13:50 | 14:10 | A Wideband Differentially Fed Multi-beam Antenna Array | A2 | CS02 | Advanced Antenna Arrays for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Antennas |
| Guo, Y. Jay | 17 Mar 2020 | 08:50 | 09:10 | Achieving Wider Impedance Bandwidth Using Full-Wavelength Dipoles | B1 | CS38 | ISAP Session: Recent Advances in Asian Antennas and Propagation Research | T02 Millimetre wave 5G / Convened Session / Antennas |
| Guo, Yifang | 18 Mar 2020 | 13:20 | 13:20 | Frequency Selective Surface with Polarization Staggered Bands | Exhibition Hall | Poster2-E07 | Poster Session 2: Frequency and polarization selective surfaces | Electromagnetics |
| Guo, Yuhang | 18 Mar 2020 | 09:30 | 09:50 | The Study of 5G Massive MIMO End-to-End MPAC Test Solution | A3 | CS06 | AMTA/IRACON Session: Over-The-Air Testing of 5G Radios | T02 Millimetre wave 5G / Convened Session / Measurements |
| Gupta, Shulabh | 17 Mar 2020 | 17:20 | 17:40 | Mapping Between Complex Eigenmodes and Complex Propagation Constant for Uniform Rectangular Metallic Waveguides | B11 | T10-E03/2 | Computational and numerical techniques 2 | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Gupta, Shulabh | 18 Mar 2020 | 13:20 | 13:20 | General Formulation of the Boundary Element Method (BEM) for Curvilinear Metasurfaces in the Presence of Multiple Scattering Objects | Exhibition Hall | Poster2-E03 | Poster Session 2: Computational and numerical techniques | Electromagnetics |
| Gupta, Shulabh | 18 Mar 2020 | 13:20 | 13:20 | Millimeter-wave Bandpass Frequency Selective Structure Using Stacked Dielectric Slabs | Exhibition Hall | Poster2-E07 | Poster Session 2: Frequency and polarization selective surfaces | Electromagnetics |
| Gupta, Shulabh | 19 Mar 2020 | 13:20 | 13:20 | All-Dielectric Huygens' Metasurface Pair for mm-Wave Circularly-Polarized Beam-Forming | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Gupta, Shulabh | 19 Mar 2020 | 13:20 | 13:20 | Towards Real-time Independent Control of Reflection Magnitude and Phase in Electromagnetic Metasurfaces | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Gupta, Shulabh | 19 Mar 2020 | 18:00 | 18:20 | Multi-Port Leaky-Wave Antennas as Real-Time Analog Spectral Decomposers | B2 | T02-A10 | Leaky-wave and Traveling-wave Antennas | T02 Millimetre wave 5G / Regular Session / Antennas |
| Gupta, Shulabh | 20 Mar 2020 | 11:40 | 12:00 | Metasurface Modeling of Periodic Diffraction Gratings Based on Generalized Sheet Transition Conditions (GSTCs) | B4 | T11-E06 | Scattering and diffraction | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Gür, Uğur Meriç | 17 Mar 2020 | 17:00 | 17:20 | Modeling of Quantum-Dot Elliptical Nanowire Single-Photon Sources | B11 | T10-E03/2 | Computational and numerical techniques 2 | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Gurusamy, Vinoth | 19 Mar 2020 | 13:20 | 13:20 | Deployable Helix Antennas for Nano and Micro Satellites | Exhibition Hall | Poster3-M07 | Poster Session 3: Satellite and aerospace antenna characterisation | Measurements |
| Gustafsson, Mats | 17 Mar 2020 | 09:30 | 09:50 | Implementation and Use of Physical Bounds for Antenna Optimization | B2 | CS16 | Antennas in IoT Wireless Devices: Modelling and Industrial Considerations | T04 IoT and M2M / Convened Session / Antennas |
| Gustafsson, Mats | 18 Mar 2020 | 10:40 | 11:00 | Measurement Characterization of Aperture Correction Technique for EMF | A3 | CS06 | AMTA/IRACON Session: Over-The-Air Testing of 5G Radios | T02 Millimetre wave 5G / Convened Session / Measurements |
| Gustafsson, Mats | 18 Mar 2020 | 13:20 | 13:20 | Hybrid MoM/T-Matrix Method for Analysis of Interaction Between Objects | Exhibition Hall | Poster2-E03 | Poster Session 2: Computational and numerical techniques | Electromagnetics |
| Gustafsson, Mats | 19 Mar 2020 | 12:00 | 12:20 | On the Optical Theorem and Optimal Extinction, Scattering and Absorption in Lossy Media | B11 | T11-E01 | EM Theory | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Gustafsson, Mats | 20 Mar 2020 | 08:30 | 08:50 | Physical Bounds on Antennas with Feed Constraints | B10 | CS11 | Antenna Design and Fundamental Bounds with External Constraints | T11 Fundamental research and emerging technologies / Convened Session / Antennas |

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|---------------------------|-------------|-------|-------|---|------------------|------------------------|---|--|
| Gustafsson, Mats | 20 Mar 2020 | 09:50 | 10:10 | Fundamental Bounds for Volumetric Structures and Their Feasibility | B10 | CS11 | Antenna Design and Fundamental Bounds with External Constraints | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Gustafsson, Mats | 20 Mar 2020 | 11:40 | 12:00 | Q-factor Bounds for MIMO Antennas | B10 | CS11 | Antenna Design and Fundamental Bounds with External Constraints | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Gustavsson, Ulf | 19 Mar 2020 | 09:30 | 09:50 | On a Fresnel-Integrals-Based Back-Scattering Model at Millimeter-Waves | B1 | T02-P02 | Millimetre wave propagation modelling | T02 Millimetre wave 5G / Regular Session / Propagation |
| Gustavsson, Ulf | 20 Mar 2020 | 10:40 | 11:00 | Array Configuration Effect on the Spatial Correlation of MU-MIMO Channels in NLoS Environments | A2 | T01-A22 | MIMO, diversity, smart antennas & signal processing | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Haarla, Jaakko | 18 Mar 2020 | 13:20 | 13:20 | Characterizing 60 GHz Patch Antenna Segments for Fully Digital Transceiver | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Hacker, Jorg | 18 Mar 2020 | 11:40 | 12:00 | Aircraft Measurements of the Marine Surface Layer Refractive Index During the TAPS Campaign | B10 | T11-P04 | Experimental methods and campaigns | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Hacker, Jorg | 18 Mar 2020 | 12:00 | 12:20 | Observations and Modelling of Propagation Loss in the Turbulent Sea Surface Environment | B10 | T11-P04 | Experimental methods and campaigns | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Hadad, Yakir | 18 Mar 2020 | 09:30 | 09:50 | Space-Time Modulated Loaded-Wire Metagratings for Magnetless Nonreciprocity | B5 | CS47 | Non-Magnetic Nonreciprocity | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Hadad, Yakir | 19 Mar 2020 | 09:50 | 10:10 | Recent Advances in Magnet-less Non-reciprocal Leaky Wave Antennas | B2 | CS46 | New Trends in Leaky Wave Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Haddadi, Abolfazl | 17 Mar 2020 | 13:20 | 13:20 | Microstrip to Ridge Gap Waveguide Transition for 28 GHz Steerable Slot Array Antennas | A2 (Poster Area) | Convened Poster 1-CS18 | Applications of mm-Wave Gap Waveguide Technology-I | T02 Millimetre wave 5G / Convened Session / Antennas |
| Hafezi, Ehsan | 16 Mar 2020 | 17:20 | 17:40 | Exceptional Points of Degeneracy in Electromagnetic Waveguides and the Role of Symmetries | B1 | SW04 | COST Session CA18223 (SyMat): Periodic Structures with Higher Symmetries | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Hakem, Nadir | 19 Mar 2020 | 17:00 | 17:20 | Adapted Low-Footprint Biasing Circuit for Switched Beam Antenna Steering Usable in Wireless Sensor Networks | B1 | T03-A11 | Antennas for WLAN Applications | T03 Wireless LANs / Regular Session / Antennas |
| Hakimi, Ali Mohammad | 19 Mar 2020 | 13:20 | 13:20 | Wideband Vertically Polarized Dual-Beam Antenna Using Modulated Metasurfaces | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Hämäläinen, Matti | 18 Mar 2020 | 13:20 | 13:20 | A Preliminary Analysis of User's Body Impact on Signal Polarization in WBANs | Exhibition Hall | Poster2-P10 | Poster Session 2: Propagation in biological tissues and body-area propagation | Propagation |
| Hamarnhe, Ramez | 18 Mar 2020 | 13:20 | 13:20 | Glide-Symmetric Luneburg Lens Using Substrate-Integrated-Holes for 5G Communications at Ka-Band | A2 (Poster Area) | Convened Poster 2-CS41 | Metasurfaces for Mobile (5G and Beyond) and Satellite Communication Systems | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Hamid, Sofian | 18 Mar 2020 | 08:50 | 09:10 | Optically Transparent Antenna Integrated Inside a Headlamp for Automotive Radar Application | B7 | T06-A17 | Automotive antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Hamilton, Jean-Christophe | 18 Mar 2020 | 11:00 | 11:20 | The Optical Combiner of QUBIC: The Q & U Bolometric Interferometer for Cosmology | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Hammond, Hussein | 16 Mar 2020 | 13:30 | 13:50 | 60 GHz V2I Channel Variability for Different Elevation Angle Switching Strategies | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Han, Chong Zhi | 18 Mar 2020 | 13:20 | 13:20 | Wideband 8-Antenna Array with High Isolation for Sub-6 GHz MIMO Applications | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Han, Qinglong | 16 Mar 2020 | 17:40 | 18:00 | Frequency Diverse Array Information Geometry Analysis | B5 | T08-A17 | Antennas and techniques for positioning and direction finding | T08 Positioning, localization & tracking / Regular Session / Antennas |
| Han, Sang Hyuck | 19 Mar 2020 | 13:20 | 13:20 | Holographic Antenna Using Slotted Hologram Patterns for High Efficiency | Exhibition Hall | Poster3-A23 | Poster Session 3: Other antenna topics | Antennas |
| Haneda, Katsuyuki | 17 Mar 2020 | 17:20 | 17:40 | Real-Time Demonstration of Antenna Effects on Emulated Wireless Capsule Endoscope Links | B6 | SW01 | COST Session CA15104 (IRACON): Measurements and Simulations in Channel Modelling in Wireless Body Area Networks | T05 Biomedical and health / Convened Session / Propagation |
| Haneda, Katsuyuki | 19 Mar 2020 | 17:40 | 18:00 | A Dual-band Repeater Antenna for On-Body Receiver Unit of Wireless Capsule Endoscope | B6 | T05-A12/3 | Body area antennas and sensor systems | T05 Biomedical and health / Regular Session / Antennas |
| Hannan, Mohammad | 17 Mar 2020 | 13:20 | 13:20 | Modeling of a Realistic Hybrid Metal-Plasma Transmit-array with Beam-scanning Capabilities | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Hannan, Mohammad | 18 Mar 2020 | 11:00 | 11:20 | Advanced Teaching in Electromagnetics at the ELEDIA Research Center | B4 | CS26 | Education in Electromagnetics, Antennas, and Microwaves | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Hannan, Mohammad | 18 Mar 2020 | 13:20 | 13:20 | Direction of Clutter Estimation by Total-Variation Compressive Sensing | A2 (Poster Area) | Convened Poster 2-CS61 | Signal Processing Techniques for Advanced Electromagnetics Synthesis, Analysis, and Measurements | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Hannula, Jari-Matti | 19 Mar 2020 | 12:00 | 12:20 | Comparison of Different Antenna Cluster Weighting Methods | A2 | T01-A02 | Terminal antennas and interactions with surroundings | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Hanpinitsak, Panawit | 18 Mar 2020 | 13:20 | 13:20 | Cluster Intensity and Spread Characteristics in Classroom Scenario at 10 and 28 GHz Bands | Exhibition Hall | Poster2-P05 | Poster Session 2: Mm-wave and UWB propagation | Propagation |
| Hanpinitsak, Panawit | 20 Mar 2020 | 11:00 | 11:20 | A Kirchhoff Approximation Based Spectrum Availability Prediction Method at Millimeter Wave | A3 | CS37 | IRACON Spectrum Sharing: Challenges and Opportunities for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Hansen, Hedley J | 18 Mar 2020 | 11:40 | 12:00 | Aircraft Measurements of the Marine Surface Layer Refractive Index During the TAPS Campaign | B10 | T11-P04 | Experimental methods and campaigns | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Hansen, Hedley J | 18 Mar 2020 | 12:00 | 12:20 | Observations and Modelling of Propagation Loss in the Turbulent Sea Surface Environment | B10 | T11-P04 | Experimental methods and campaigns | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Hao, Bowen | 19 Mar 2020 | 13:20 | 13:20 | Field Emulator for Wireless Communication Devices Base on Programmable Metasurface | Exhibition Hall | Poster3-M09 | Poster Session 3: MIMO and OTA testing | Measurements |

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|------------------------|-------------|-------|-------|--|------------------|------------------------|---|---|
| Hao, Yang | 17 Mar 2020 | 16:40 | 17:00 | Water-Based Microwave Absorber | B4 | CS67 | Water-Based Microwave Devices | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Hao, Yang | 18 Mar 2020 | 09:30 | 09:50 | An Ultrawideband Conformal Antenna for Implantable Drug Delivery Device | B2 | CS62 | Small Antenna in a Human Body Environment | T04 IoT and M2M / Convened Session / Antennas |
| Hao, Yang | 18 Mar 2020 | 13:20 | 13:20 | An Ultra-thin Wide-Angle Scanned Planar Array Antenna for Satellite Communication | A2 (Poster Area) | Convened Poster 2-CS41 | Metasurfaces for Mobile (5G and Beyond) and Satellite Communication Systems | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Hao, Yang | 18 Mar 2020 | 13:20 | 13:20 | Quasi-Periodic Metasurfaces and Their Equivalent Dielectric Models | A2 (Poster Area) | Convened Poster 2-CS41 | Metasurfaces for Mobile (5G and Beyond) and Satellite Communication Systems | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Hao, Yang | 18 Mar 2020 | 13:20 | 13:20 | Modelling of the Mechanical Antenna Using the Biot-Savart Law | Exhibition Hall | Poster2-E03 | Poster Session 2: Computational and numerical techniques | Electromagnetics |
| Harari, Diego | 18 Mar 2020 | 11:00 | 11:20 | The Optical Combiner of QUBIC: The Q & U Bolometric Interferometer for Cosmology | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Haridim, Motti | 18 Mar 2020 | 13:20 | 13:20 | A Very Compact Implantable Antenna for Wireless Biotelemetry Applications in the MedRadio Band | Exhibition Hall | Poster2-A08 | Poster Session 2: Electrically small antennas | Antennas |
| Hariharan, Arjun | 20 Mar 2020 | 08:30 | 08:50 | Channel Measurements and Path Loss Modeling for Indoor THz Communication | A3 | CS37 | IRACON Spectrum Sharing: Challenges and Opportunities for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Harrell, Jefferson | 17 Mar 2020 | 11:40 | 12:00 | NISAR Flight Feed Passive Antenna Measurements | B5 | CS01 | Active Antennas for Onboard Space Applications | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Harriague, Rodrigo | 17 Mar 2020 | 13:20 | 13:20 | Cloud Detection Models and Their Effect on the Calculation of Cloud Attenuation: Assessment at Ka- And Q-band at 4065 Meters of Altitude | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Hartogh, Paul | 18 Mar 2020 | 11:20 | 11:40 | Optics for the Submillimeter Wave Instrument on Jupiter Mission JUICE | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Hasani, Hamed | 18 Mar 2020 | 13:20 | 13:20 | Remote Characterization of Small Antennas Using Waveguide | Exhibition Hall | Poster2-A08 | Poster Session 2: Electrically small antennas | Antennas |
| Hashimoto, Koh | 18 Mar 2020 | 13:20 | 13:20 | Practical Design of Radiating Part of Post-Wall Waveguide-Fed Parallel Plate Slot Array Antenna by Method of Moments | Exhibition Hall | Poster2-A10 | Poster Session 2: Slotted-waveguide and leaky- wave antennas | Antennas |
| Hashimoto, Osamu | 18 Mar 2020 | 13:20 | 13:20 | Proposal on Hybrid Propagation Analysis of Aperture Field Integration Method and Ray Tracing Method Suitable for Airport Surface in VHF Band | Exhibition Hall | Poster2-E02 | Poster Session 2: EM theory and analytical techniques | Electromagnetics |
| Hashmi, Raheel Maqsood | 16 Mar 2020 | 14:30 | 14:50 | Robustness Analysis of the Polymer-Conductive-Mesh Composite for the Realization of Transparent and Flexible Wearable Antennas | B6 | T05-A12/1 | Wearable and implantable antennas | T05 Biomedical and health / Regular Session / Antennas |
| Hashmi, Raheel Maqsood | 18 Mar 2020 | 11:20 | 11:40 | A Low-Profile and Efficient Front-End Antenna for Point-to-Point Wireless Communication Links | A2 | T09-A19 | Reflect arrays and transmit arrays | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Hasnain, Syed Naser | 19 Mar 2020 | 16:40 | 17:00 | Interference Mitigation for Robust Automotive Satellite Navigation Achieved with Compact Distributed Antenna Sub- Arrays | B5 | CS31 | GNSS Antennas and Systems for Challenged RF Environment | T08 Positioning, localization & tracking / Convened Session / Antennas |
| Hassan, Abdelmoniem | 16 Mar 2020 | 14:50 | 15:10 | Circularly Polarized Antenna Array Based on Microstrip Ridge Gap Waveguide at 60 GHz | A2 | CS02 | Advanced Antenna Arrays for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Antennas |
| Hassan, Nina | 18 Mar 2020 | 13:20 | 13:20 | In-Stationary Tapped Delay Line Channel Modeling and Simulation | Exhibition Hall | Poster2-P09 | Poster Session 2: Propagation for vehicular communications | Propagation |
| Hassan, Noha | 19 Mar 2020 | 11:40 | 12:00 | A Single Port Orthogonally Polarized Antenna for Handsets, IoT Terminals and Vehicles | A2 | T01-A02 | Terminal antennas and interactions with surroundings | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Hassani, Hamid Reza | 18 Mar 2020 | 13:20 | 13:20 | Pulse Propagation in Human Head: Analysis and Design for UWB Radar Imaging | Exhibition Hall | Poster2-P05 | Poster Session 2: Mm-wave and UWB propagation | Propagation |
| Hassona, Ahmed | 17 Mar 2020 | 13:20 | 13:20 | Packaging Technique of Highly Integrated Circuits Based on EBG Structure for +100 GHz Applications | A2 (Poster Area) | Convened Poster 1-CS18 | Applications of mm-Wave Gap Waveguide Technology-I | T02 Millimetre wave 5G / Convened Session / Antennas |
| Hausman, Slawomir | 17 Mar 2020 | 16:40 | 17:00 | Human Body Modelling for Wireless Body Area Network Optimization | B6 | SW01 | COST Session CA15104 (IRACON): Measurements and Simulations in Channel Modelling in Wireless Body Area Networks | T05 Biomedical and health / Convened Session / Propagation |
| Hayashi, Takahiro | 18 Mar 2020 | 08:50 | 09:10 | Study on Radio Propagation Prediction by Machine Learning Using Urban Structure Maps | B10 | T11-P02/2 | Machine Learning in Radio Propagation | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Hayashi, Takahiro | 18 Mar 2020 | 09:30 | 09:50 | A Study on the Variety and Size of Input Data for Radio Propagation Prediction Using a Deep Neural Network | B10 | T11-P02/2 | Machine Learning in Radio Propagation | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Haydhah, Saeed A. | 19 Mar 2020 | 13:20 | 13:20 | A Compact Pattern Reconfigurable Antenna for UHF Internet of Things Applications | Exhibition Hall | Poster3-A13 | Poster Session 3: Adaptive and reconfigurable antennas | Antennas |
| Haykir, Yigit | 18 Mar 2020 | 09:30 | 09:50 | Use of Characteristic Modes in the CBFM for the Analysis of Large Arrays | B1 | CS45 | New Perspectives and Applications of Characteristic Mode Analysis in Antenna Design | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Hazdra, Pavel | 17 Mar 2020 | 13:20 | 13:20 | Optimization of Excitation and Geometry of Linear Dipole Array Above PEC Ground Plane for Directivity Maximization | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |

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| Hazmi, Ali | 19 Mar 2020 | 13:20 | 13:20 | Throughput and Spherical Coverage Performance of mmWave Dual Polarized Antenna Arrays | Exhibition Hall | Poster3-M09 | Poster Session 3: MIMO and OTA testing | Measurements |
| He, Danping | 16 Mar 2020 | 14:50 | 15:10 | Millimeter-Wave Channel Characterization for Vehicle-to-Infrastructure Communication | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| He, Danping | 17 Mar 2020 | 09:50 | 10:10 | Hybrid Channel Modeling for Intra-Wagon Communication in Millimeter-Wave Band | A3 | CS35 | IET/IRACON Session: Propagation Measurements and Modelling for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| He, Danping | 17 Mar 2020 | 12:00 | 12:20 | Wideband Dual-Polarized Patch Antenna with Capacitive Coupling for mm-Wave Bands | A2 | T02-A04/2 | Millimetre wave arrays for mobile terminals | T02 Millimetre wave 5G / Regular Session / Antennas |
| He, Danping | 20 Mar 2020 | 09:10 | 09:30 | The Influence of Self-User Shadowing in the Intra-Metro Communication Scenario at 28 GHz | B11 | CS20 | Assessment and Modeling of Antennas and Radio Channels Jointly | T10 EM modelling and simulation tools / Convened Session / Antennas |
| He, Danping | 20 Mar 2020 | 09:50 | 10:10 | Implementation and Evaluation of Ray-Tracing Acceleration Methods in Wireless Communication | B9 | T10-P02 | Propagation modelling and simulation | T10 EM modelling and simulation tools / Regular Session / Propagation |
| He, Han | 16 Mar 2020 | 17:20 | 17:40 | Protective Coating Methods for Glove-Integrated RFID Tags - A Preliminary Study | B6 | T05-A12/1 | Wearable and implantable antennas | T05 Biomedical and health / Regular Session / Antennas |
| He, Han | 19 Mar 2020 | 17:20 | 17:40 | Passive RFID-based Textile Touchpad | B6 | T05-A12/3 | Body area antennas and sensor systems | T05 Biomedical and health / Regular Session / Antennas |
| He, Ruiqi | 16 Mar 2020 | 17:40 | 18:00 | Measurement and Diffuse Multipath Analysis of V2V Propagation Channel at 5.9 GHz in Tunnel Area | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| He, Ruiqi | 18 Mar 2020 | 13:20 | 13:20 | Clustering Performance Evaluation Algorithm for Vehicle-to-Vehicle Radio Channels | Exhibition Hall | Poster2-P09 | Poster Session 2: Propagation for vehicular communications | Propagation |
| He, Sailing | 19 Mar 2020 | 08:50 | 09:10 | Incident Power Density Assessment Study for 5G Millimeter-Wave Handset Based on Equivalent Currents Method | A3 | CS34 | IET/AMTA Session: Test and Measurement Challenges for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Measurements |
| He, Shihai | 18 Mar 2020 | 13:20 | 13:20 | A Multiple-Feed Connected Leaky Slot Antenna for In-Antenna Power Combining in 0.13Um SiGe BiCMOS Technology | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| He, Wang | 19 Mar 2020 | 08:50 | 09:10 | Incident Power Density Assessment Study for 5G Millimeter-Wave Handset Based on Equivalent Currents Method | A3 | CS34 | IET/AMTA Session: Test and Measurement Challenges for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Measurements |
| He, Yejun | 17 Mar 2020 | 13:20 | 13:20 | An Ultra-wideband Reflectarray Antenna Using Connected Dipoles for Multifunctional Systems | Exhibition Hall | Poster1-A19 | Poster Session 1: Reflect arrays and transmit arrays | Antennas |
| He, Yejun | 19 Mar 2020 | 13:20 | 13:20 | An Ultra-Wideband Stacked Spiral-Helix Composite Antenna | Exhibition Hall | Poster3-A11 | Poster Session 3: Multiband and wideband antennas | Antennas |
| He, Yingran | 19 Mar 2020 | 13:20 | 13:20 | Roof/Side Mount Combination Antenna for LTE and Satellite Communication Applications | Exhibition Hall | Poster3-A11 | Poster Session 3: Multiband and wideband antennas | Antennas |
| He, Yongning | 19 Mar 2020 | 13:20 | 13:20 | Flangeless Waveguide Connection Based on Gap Waveguide Technology | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| He, Yongning | 19 Mar 2020 | 13:20 | 13:20 | Novel Compact Waveguide Flange Adapter for Passive Intermodulation Measurement Systems | Exhibition Hall | Poster3-M11 | Poster Session 3: Other measurement topics | Measurements |
| He, Zhongxia Simon | 19 Mar 2020 | 13:20 | 13:20 | A Compact Mass-producible E-band Bandpass Filter Based on Multi-layer Waveguide Technology | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Heath, Robert | 19 Mar 2020 | 09:30 | 09:50 | A MIMO Joint Communication-Radar Measurement Platform at the Millimeter-Wave Band | B5 | CS25 | Convergence of Mobile Radio and Radar | T08 Positioning, localization & tracking / Convened Session / Propagation |
| Heberling, Dirk | 17 Mar 2020 | 13:20 | 13:20 | Height Profiles of Typical Automotive Landmarks Using Tomographic Compact-Range Measurements | Exhibition Hall | Poster1-M03 | Poster Session 1: Near-field, far-field, compact and RCS range measurement techniques | Measurements |
| Heberling, Dirk | 17 Mar 2020 | 13:20 | 13:20 | On the Influence of the Transformation Matrix in Compressed Spherical Near-Field Measurements | Exhibition Hall | Poster1-M03 | Poster Session 1: Near-field, far-field, compact and RCS range measurement techniques | Measurements |
| Heberling, Dirk | 17 Mar 2020 | 13:20 | 13:20 | Interpretation of the Physical Layer Measurements of Smartphones as Measures of Exposure to Electromagnetic Fields | Exhibition Hall | Poster1-M04 | Poster Session 1: Data acquisition, imaging algorithms and processing methods | Measurements |
| Heberling, Dirk | 18 Mar 2020 | 08:50 | 09:10 | Optically Transparent Antenna Integrated Inside a Headlamp for Automotive Radar Application | B7 | T06-A17 | Automotive antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Heberling, Dirk | 19 Mar 2020 | 11:40 | 12:00 | Characterisation of a Fibre-Optic Active Probe for Compensation of the Test-Zone Field | B10 | CS07 | AMTA/EurAAP Session: Post Processing Techniques in Antenna Measurements | T11 Fundamental research and emerging technologies / Convened Session / Measurements |
| Heberling, Dirk | 19 Mar 2020 | 08:30 | 08:50 | Broadside Radiation Equalization Through Mode Coupling Balancing in Periodic Leaky-Wave Antennas | B2 | CS46 | New Trends in Leaky Wave Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Heckler, Marcos V. T. | 17 Mar 2020 | 13:20 | 13:20 | On the Use of Symmetry for Shaped-Beam Antennas Installed onto 8-U CubeSats | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Heckler, Marcos V. T. | 18 Mar 2020 | 13:20 | 13:20 | Compact UHF Printed Antennas for Nano-Satellites | Exhibition Hall | Poster2-A08 | Poster Session 2: Electrically small antennas | Antennas |
| Heckler, Marcos V. T. | 20 Mar 2020 | 12:00 | 12:20 | Performance Assessment of a Reconfigurable Circularly Polarized Reflectarray at K-Band | B8 | CS59 | Reconfigurable Reflectarray and Transmitarrays | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Hein, Matthias | 16 Mar 2020 | 14:10 | 14:30 | Accurate 3D Phase Recovery of Automotive Antennas Through LTE Power Measurements on A Cylindrical Surface | B7 | CS05 | AMTA Session: Automotive Antenna Measurements and Testing | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Convened Session / Measurements |

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| Hein, Matthias | 17 Mar 2020 | 13:20 | 13:20 | Advanced Calibration Method for Accurate Microwave Absorber Reflectivity Measurements at Oblique Illumination Angles | Exhibition Hall | Poster1-M01 | Poster Session 1: Material characterisation and non-destructive testing | Measurements |
| Hein, Matthias | 17 Mar 2020 | 16:40 | 17:00 | Bi-static Nearfield Calibration for RCS Measurements in the C-V2X Frequency Range | B7 | CS03 | Advanced Radar Measurements, Modelling and System Solutions for Vehicular Applications | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Convened Session / Measurements |
| Hein, Matthias | 19 Mar 2020 | 09:30 | 09:50 | Experimental Determination of the Total Radiated Power of Automotive Antennas in the Installed State | B10 | CS07 | AMTA/EurAAP Session: Post Processing Techniques in Antenna Measurements | T11 Fundamental research and emerging technologies / Convened Session / Measurements |
| Hein, Matthias | 19 Mar 2020 | 16:40 | 17:00 | Interference Mitigation for Robust Automotive Satellite Navigation Achieved with Compact Distributed Antenna Sub-Arrays | B5 | CS31 | GNSS Antennas and Systems for Challenged RF Environment | T08 Positioning, localization & tracking / Convened Session / Antennas |
| Heino, Mikko | 17 Mar 2020 | 17:20 | 17:40 | Real-Time Demonstration of Antenna Effects on Emulated Wireless Capsule Endoscope Links | B6 | SW01 | COST Session CA15104 (IRACON): Measurements and Simulations in Channel Modelling in Wireless Body Area Networks | T05 Biomedical and health / Convened Session / Propagation |
| Heino, Mikko | 20 Mar 2020 | 09:10 | 09:30 | The Influence of Self-User Shadowing in the Intra-Metro Communication Scenario at 28 GHz | B11 | CS20 | Assessment and Modeling of Antennas and Radio Channels Jointly | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Heino, Petteri | 19 Mar 2020 | 11:00 | 11:20 | Fading Channel Emulation for Massive MIMO Testing Using a Conductive Phase Matrix Setup | A3 | CS34 | IET/AMTA Session: Test and Measurement Challenges for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Measurements |
| Hejselbæk, Johannes | 18 Mar 2020 | 13:20 | 13:20 | Cluster Intensity and Spread Characteristics in Classroom Scenario at 10 and 28 GHz Bands | Exhibition Hall | Poster2-P05 | Poster Session 2: Mm-wave and UWB propagation | Propagation |
| Helander, Jakob | 18 Mar 2020 | 10:40 | 11:00 | Measurement Characterization of Aperture Correction Technique for EMF | A3 | CS06 | AMTA/IRACON Session: Over-The-Air Testing of 5G Radios | T02 Millimetre wave 5G / Convened Session / Measurements |
| Helbig, Marko | 17 Mar 2020 | 11:40 | 12:00 | Investigation of Influences on the Detectability of Magnetic Nanoparticles by Means of Microwaves for Biomedical Applications | B6 | CS60 | Sensors and Systems for Microwave Biomedical Imaging and Sensing | T05 Biomedical and health / Convened Session / Antennas |
| Helbig, Marko | 18 Mar 2020 | 09:30 | 09:50 | Advanced Temperature Dielectric Spectroscopy of Muscle Phantom at Microwave Frequencies | B6 | SW03 | COST Session CA17115 (MyWAVE): Supporting Medical Device Development via Dielectric and Thermal Tissue Characterization | T05 Biomedical and health / Convened Session / Measurements |
| Helbig, Marko | 20 Mar 2020 | 11:20 | 11:40 | Temperature Dependent Dielectric Properties of Tissue Mimicking Phantom Material in the Microwave Frequency Range | B6 | SW06 | H2020 Session ID764479 (EMERALD): Electromagnetic Imaging for a Novel Generation of Medical Devices | T05 Biomedical and health / Convened Session / Electromagnetics |
| Helena, Diogo | 16 Mar 2020 | 17:00 | 17:20 | Inexpensive 3D-Printed Radiating Horns for Customary Things in IoT Scenarios | B2 | T04-A08 | IoT antennas | T04 IoT and M2M / Regular Session / Antennas |
| Héliot, Fabien | 19 Mar 2020 | 09:30 | 09:50 | An Assessment of the Radio Frequency Electromagnetic Field Exposure from A Massive MIMO 5G Testbed | A3 | CS34 | IET/AMTA Session: Test and Measurement Challenges for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Measurements |
| Helmreich, Klaus | 19 Mar 2020 | 13:20 | 13:20 | 3D Printed Helix Antenna for 77 GHz | Exhibition Hall | Poster3-A21 | Poster Session 3: Additive manufacturing | Antennas |
| Helsing, Johan | 17 Mar 2020 | 11:40 | 12:00 | A False-Resonance-Free Integral Equation Formulation for the Electromagnetic Transmission Problem | B11 | T10-E03/1 | Computational and numerical techniques 1 | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Henderson, James R | 18 Mar 2020 | 13:20 | 13:20 | Practical Low-Loss Substrate-Integrated-Waveguide Feed Network for mm-Wave PCB Antenna Designs | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Henderson, Kendrick Q | 20 Mar 2020 | 08:50 | 09:10 | Steerable Reflectarray Using Tunable Height Dielectric for High-Power Applications | B8 | CS59 | Reconfigurable Reflectarray and Transmitarrays | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Hendrantoro, Gamantyo | 18 Mar 2020 | 12:00 | 12:20 | Wide-Angular Scanning Performance Enhancement in Linear Arrays via Combining Integrated In-line Subarrays and Amplitude Tapering | B7 | T06-A17 | Automotive antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Heng, Zhou | 17 Mar 2020 | 13:20 | 13:20 | Zero Index Metamaterial for High Gain Array | Exhibition Hall | Poster1-A09 | Poster Session 1: Lens antennas | Antennas |
| Heng, Zhou | 19 Mar 2020 | 13:20 | 13:20 | Electric Field Analysis and Measurement for a Resistively Loaded Monocone | Exhibition Hall | Poster3-M10 | Poster Session 3: General antenna measurements | Measurements |
| Henkel, Patrick | 17 Mar 2020 | 13:20 | 13:20 | Precise 6D RTK Positioning System for UAV-based Near-Field Antenna Measurements | Exhibition Hall | Poster1-M03 | Poster Session 1: Near-field, far-field, compact and RCS range measurement techniques | Measurements |
| Henrot-Versille, Sophie | 18 Mar 2020 | 11:00 | 11:20 | The Optical Combiner of QUBIC: The Q & U Bolometric Interferometer for Cosmology | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Henthorn, Stephen | 20 Mar 2020 | 11:20 | 11:40 | Direct Antenna Modulator for m-QAM Applications | B1 | CS33 | IET Session: New Antenna Systems Involving Application of Metamaterials and Metasurfaces | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Herasymova, Dariia O. | 18 Mar 2020 | 13:20 | 13:20 | Electromagnetic Design of Beam Position Monitor Based on Diffraction Radiation from Twin Dielectric Nanowires | Exhibition Hall | Poster2-E03 | Poster Session 2: Computational and numerical techniques | Electromagnetics |
| Heredia, Miguel | 17 Mar 2020 | 13:20 | 13:20 | Cloud Detection Models and Their Effect on the Calculation of Cloud Attenuation: Assessment at Ka- And Q-band at 4065 Meters of Altitude | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Hérique, Alain | 19 Mar 2020 | 09:30 | 09:50 | Towards Asteroid Tomography: Modellings and Measurements Using an Analogue Model | B9 | T10-E05/1 | Electromagnetic Methods for Direct and Inverse Scattering Involving Stratified Media | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |

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| Hernandez Figueroa, Hugo Enrique | 19 Mar 2020 | 13:20 | 13:20 | The Influence of Lattice Constant on Tuning EBG Waveguide | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Hernandez-Tamames, Juan | 17 Mar 2020 | 09:10 | 09:30 | Influence of the BSD-2000 3D/MR Hyperthermia Applicator on MR Image Quality: A Quantitative Assessment | B7 | SW02 | COST Session CA17115 (MyWAVE): Developments in Electromagnetic-Based Medical Technologies | T05 Biomedical and Health / Convened Session / Electromagnetics |
| Herold, Christoph | 19 Mar 2020 | 11:00 | 11:20 | Generation of Realistic Railway Based Mobility Scenarios | B1 | T01-P02 | Propagation modelling and simulation | T01 LTE and Sub-6GHz 5G / Regular Session / Propagation |
| Herran, Luis Fernando | 16 Mar 2020 | 15:10 | 15:30 | Design of Antenna Arrays Using Groove Gap Waveguide Technology Implemented with Glide Symmetric Holes | B1 | SW04 | COST Session CA18223 (SyMat): Periodic Structures with Higher Symmetries | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Herran, Luis Fernando | 17 Mar 2020 | 13:20 | 13:20 | Dual-Polarized Dual-Frequency Ka-band Transmitarray Lens | Exhibition Hall | Poster1-A19 | Poster Session 1: Reflect arrays and transmit arrays | Antennas |
| Herranz-Alpanseque, Javier | 18 Mar 2020 | 13:20 | 13:20 | Dual Circularly Polarized Waveguide Array Antenna Formed by Full-Metallic Bow-tie Radiating Cavities | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Herranz-Herruzo, José Ignacio | 17 Mar 2020 | 13:20 | 13:20 | Mechanical Phase Shifter in Gap-Waveguide Technology | A2 (Poster Area) | Convened Poster 1-CS19 | Applications of mm-Wave Gap Waveguide Technology-II | T02 Millimetre wave 5G / Convened Session / Antennas |
| Herranz-Herruzo, José Ignacio | 18 Mar 2020 | 13:20 | 13:20 | A Novel Circularly-Polarized T-shaped Slot Array Antenna in Ka-band | Exhibition Hall | Poster2-A10 | Poster Session 2: Slotted-waveguide and leaky-wave antennas | Antennas |
| Hertel, Thorsten | 19 Mar 2020 | 13:20 | 13:20 | Recent Developments in Radiated Two-Stage MIMO OTA Test Method | Exhibition Hall | Poster3-M09 | Poster Session 3: MIMO and OTA testing | Measurements |
| Hesselbarth, Jan | 19 Mar 2020 | 13:20 | 13:20 | A Single-Layer Planar Antenna Unaffected by a Possibly Close-by Metal Surface | Exhibition Hall | Poster3-A13 | Poster Session 3: Adaptive and reconfigurable antennas | Antennas |
| Heyman, Ehud | 18 Mar 2020 | 09:30 | 09:50 | Beam Frame Representations: New Alternatives to the Plane Wave and Green Function Representations in the Frequency and Time Domains | B11 | BC/2 | History of Electromagnetism 2 | T13 Bicentennial Session / Electromagnetics |
| Hibbins, Alastair | 16 Mar 2020 | 14:30 | 14:50 | Experimental Demonstration of Artificial Magnetic Conductors Constructed of Magnetically Coupled Helices | B4 | T07-A | Antenna theory and system design | T07 Defence and security / Regular Session / Antennas |
| Higaki, Makoto | 18 Mar 2020 | 13:20 | 13:20 | Practical Design of Radiating Part of Post-Wall Waveguide-Fed Parallel Plate Slot Array Antenna by Method of Moments | Exhibition Hall | Poster2-A10 | Poster Session 2: Slotted-waveguide and leaky-wave antennas | Antennas |
| Hijazi, Hadi | 17 Mar 2020 | 13:20 | 13:20 | 4-40 GHz In-Phase/180° Out-of-Phase Power Dividers with Enhanced Isolation | Exhibition Hall | Poster1-A18 | Poster Session 1: Reflector, feed systems, and components | Antennas |
| Hilger, Ingrid | 17 Mar 2020 | 11:40 | 12:00 | Investigation of Influences on the Detectability of Magnetic Nanoparticles by Means of Microwaves for Biomedical Applications | B6 | CS60 | Sensors and Systems for Microwave Biomedical Imaging and Sensing | T05 Biomedical and health / Convened Session / Antennas |
| Hill, Jonathan | 17 Mar 2020 | 09:10 | 09:30 | Active Antennas Radiated Spurious | B5 | CS01 | Active Antennas for Onboard Space Applications | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Himdi, Mohamed | 18 Mar 2020 | 13:20 | 13:20 | Beamwidth Control of a Helical Antenna Using Truncated Conical Plasma Reflectors | Exhibition Hall | Poster2-A01 | Poster Session 2: Antenna theory | Antennas |
| Hirano, Takuichi | 19 Mar 2020 | 13:20 | 13:20 | Single-Chip Impulse-Radar Integrated Circuits for Microwave-Imaging | Exhibition Hall | Poster3-A16 | Poster Session 3: UWB antennas and time-domain techniques | Antennas |
| Hirata, Akihiko | 16 Mar 2020 | 16:20 | 16:40 | Near-field Measurement and Far-field Characterization of a J-band Antenna Based on an Electro-optic Sensing | B7 | T06-M03 | Near-field, far-field, compact and RCS range measurement techniques | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Measurements |
| Hirokawa, Jiro | 17 Mar 2020 | 16:40 | 17:00 | Floquet Mode Analysis on Groove Gap Waveguide | B11 | T10-E03/2 | Computational and numerical techniques 2 | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Hirokawa, Jiro | 18 Mar 2020 | 13:20 | 13:20 | A 16x16-Element Single-Layer Full-Corporate-Fed SIW Slot Array Antenna | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Hirokawa, Jiro | 19 Mar 2020 | 13:20 | 13:20 | All-Dielectric Huygens' Metasurface Pair for mm-Wave Circularly-Polarized Beam-Forming | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Hirokawa, Jiro | 19 Mar 2020 | 17:00 | 17:20 | Radial Line Slot Array Antenna for 5.8-GHz-Band Beam-Type Wireless Power Transmission | B2 | T02-A10 | Leaky-wave and Traveling-wave Antennas | T02 Millimetre wave 5G / Regular Session / Antennas |
| Hirose, Masanobu | 16 Mar 2020 | 16:40 | 17:00 | A New Method to Measure the Absolute Gain Patterns of a Log-Periodic Antenna at a Reduced Distance Without Considering the Phase Center in a Single-Cut Near-Field Far-Field Transformation | B7 | T06-M03 | Near-field, far-field, compact and RCS range measurement techniques | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Measurements |
| Hirose, Masanobu | 19 Mar 2020 | 09:10 | 09:30 | Single-Cut Near-Field Far-Field Transformation and Implicit Plane-Wave Synthesis for RCS Prediction Including Multiple Scattering Effects | B10 | CS07 | AMTA/EurAAP Session: Post Processing Techniques in Antenna Measurements | T11 Fundamental research and emerging technologies / Convened Session / Measurements |
| Hisatake, Shintaro | 16 Mar 2020 | 16:20 | 16:40 | Near-field Measurement and Far-field Characterization of a J-band Antenna Based on an Electro-optic Sensing | B7 | T06-M03 | Near-field, far-field, compact and RCS range measurement techniques | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Measurements |
| Hisatake, Shintaro | 18 Mar 2020 | 13:20 | 13:20 | High-gain and Low-profile Dielectric Cuboid Antenna at J-band | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Hoang, Thi Quynh Van | 19 Mar 2020 | 13:20 | 13:20 | Ultra-broadband Multilayer Microwave Absorber by Multimaterial 3D Printing | Exhibition Hall | Poster3-A21 | Poster Session 3: Additive manufacturing | Antennas |
| Hoebeker, Jeroen | 16 Mar 2020 | 14:30 | 14:50 | Phase-based Variant Maximum Likelihood Positioning for Passive UHF-RFID Tags | B5 | T08-A17 | Antennas and techniques for positioning and direction finding | T08 Positioning, localization & tracking / Regular Session / Antennas |
| Hoel, Karina | 16 Mar 2020 | 14:50 | 15:10 | 3D Printed Broadband Double-Ridged Waveguide to Coax Transition | B4 | T07-A | Antenna theory and system design | T07 Defence and security / Regular Session / Antennas |

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|-------------------------------|-------------|-------|-------|--|-----------------|-------------|--|--|
| Hofer, Markus | 16 Mar 2020 | 13:30 | 13:50 | 60 GHz V2I Channel Variability for Different Elevation Angle Switching Strategies | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Hoffmann, Friedrich | 18 Mar 2020 | 13:20 | 13:20 | Highly Decoupled Compact SDARS WLAN Antennas for Automotive | Exhibition Hall | Poster2-A02 | Poster Session 2: Antenna interactions and coupling | Antennas |
| Hofmann, Willi | 17 Mar 2020 | 13:20 | 13:20 | Advanced Calibration Method for Accurate Microwave Absorber Reflectivity Measurements at Oblique Illumination Angles | Exhibition Hall | Poster1-M01 | Poster Session 1: Material characterisation and non-destructive testing | Measurements |
| Hofmann, Willi | 17 Mar 2020 | 16:40 | 17:00 | Bi-static Nearfield Calibration for RCS Measurements in the C-V2X Frequency Range | B7 | CS03 | Advanced Radar Measurements, Modelling and System Solutions for Vehicular Applications | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Convened Session / Measurements |
| Holc, Katarzyna | 17 Mar 2020 | 13:20 | 13:20 | H-band Quartz-Cavity Leaky-Wave Lens Feeder with Novel Chip Interconnect | Exhibition Hall | Poster1-A09 | Poster Session 1: Lens antennas | Antennas |
| Holopainen, Jari | 19 Mar 2020 | 13:20 | 13:20 | Concept of Beam Steerable Transponder Based on Load Modulation | Exhibition Hall | Poster3-A15 | Poster Session 3: RFID antennas/sensors and systems | Antennas |
| Holzwarth, Sybille | 17 Mar 2020 | 13:20 | 13:20 | Compact and Modular Ka-Band Front-end Concept for SATCOM and 5G | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Hong, Ic Pyo | 19 Mar 2020 | 13:20 | 13:20 | A Study on Effect of Building Wall Structure on UWB SAR Image | Exhibition Hall | Poster3-M11 | Poster Session 3: Other measurement topics | Measurements |
| Hong, Wei | 18 Mar 2020 | 13:20 | 13:20 | Double-Layer Machine Learning Assisted Optimization for Antenna Sensitivity Analysis | Exhibition Hall | Poster2-A01 | Poster Session 2: Antenna theory | Antennas |
| Hong, Wonbin | 17 Mar 2020 | 11:00 | 11:20 | Metal Stamped Antenna-in-Package for Millimeter-wave Large-scale Phased-array Applications Using Multiphysics Analysis | B1 | CS38 | ISAP Session: Recent Advances in Asian Antennas and Propagation Research | T02 Millimetre wave 5G / Convened Session / Antennas |
| Hong, Wonbin | 20 Mar 2020 | 08:30 | 08:50 | On the Design of Multiband Antenna Employing AFSR Structure as Ground Plane for Low Out-of-Band RCS | B8 | CS59 | Reconfigurable Reflectarray and Transmitarrays | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Honganally Nagaraju, Abhishek | 19 Mar 2020 | 09:10 | 09:30 | Clustering of Dielectric and Colour Profiles of an Ex-vivo Burnt Human Skin Sample | B6 | T05-A12/2 | Point of Care Microwave Sensors | T05 Biomedical and health / Regular Session / Antennas |
| Höök, Anders | 20 Mar 2020 | 11:20 | 11:40 | Edge Truncation Effects in a Wide-Scan Phased Array of Connected Bowtie Antenna Elements | B7 | T06-A11 | Aircraft antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Hördemann, Christian | 18 Mar 2020 | 08:50 | 09:10 | Optically Transparent Antenna Integrated Inside a Headlamp for Automotive Radar Application | B7 | T06-A17 | Automotive antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Horestani, Ali K. | 18 Mar 2020 | 13:20 | 13:20 | A New Feed Network for the Communication Signal and Excitation of Surface-Wave-Driven Plasma Antennas | Exhibition Hall | Poster2-A01 | Poster Session 2: Antenna theory | Antennas |
| Horestani, Ali K. | 18 Mar 2020 | 13:20 | 13:20 | Beamwidth Control of a Helical Antenna Using Truncated Conical Plasma Reflectors | Exhibition Hall | Poster2-A01 | Poster Session 2: Antenna theory | Antennas |
| Horne, Robert J | 17 Mar 2020 | 16:40 | 17:00 | Tag Design for RFID AC Current Sensing System | B2 | T04-A15 | RFID and backscattering antennas | T04 IoT and M2M / Regular Session / Antennas |
| Hossain, Alamgir | 17 Mar 2020 | 13:20 | 13:20 | Effect of a Clutter Behind Building on a Building Entry Loss (BEL) over a nLoS Path | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Hosseinzadegan, Samar | 17 Mar 2020 | 09:50 | 10:10 | Integrating Nodal Adjoint Jacobian Method in the Discrete Dipole Approximation-based Image Reconstruction Algorithm | B6 | CS60 | Sensors and Systems for Microwave Biomedical Imaging and Sensing | T05 Biomedical and health / Convened Session / Antennas |
| Hrbar, Silvio | 16 Mar 2020 | 16:20 | 16:40 | Stable Positive/negative Capacitor for Use in Active Artificial Structures | B10 | CS24 | Controlling EM Waves with Low- and High-Dimensional Metamaterials | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Hrbar, Silvio | 18 Mar 2020 | 13:20 | 13:20 | A Novel Design Methodology for Non-Foster Elements with Application in Broadband Self-oscillating Antennas | Exhibition Hall | Poster2-A08 | Poster Session 2: Electrically small antennas | Antennas |
| Hrbar, Silvio | 19 Mar 2020 | 13:20 | 13:20 | Preliminary Investigation of B-dot Wire Concept | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Hrovat, Andrej | 17 Mar 2020 | 10:40 | 11:00 | Statistical Analysis of Satellite Communication Experimental Time Diversity in Slovenia | B8 | T09-P08 | Satellite propagation | T09 Space (incl. cubesat) / Regular Session / Propagation |
| Hsu, Shuohung | 16 Mar 2020 | 17:00 | 17:20 | A Novel Duplexing Antenna for Feedback Wireless Power Transfer | B9 | CS43 | Near- and Far-Field Wireless Power Transfer | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Hu, Jun | 17 Mar 2020 | 13:20 | 13:20 | 2-D Wide-Scanning Flat Luneburg Lens Antenna for 5G Communication | Exhibition Hall | Poster1-A09 | Poster Session 1: Lens antennas | Antennas |
| Hu, Jun | 17 Mar 2020 | 13:20 | 13:20 | An Irregular Tightly Coupled Dipole Array with Wide Scanning Angles | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Hu, Jun | 17 Mar 2020 | 13:20 | 13:20 | Improving Physical Layer Security Technique Based on 4-D Antenna Arrays with Pre-Modulation | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Hu, Shaoqing | 16 Mar 2020 | 14:50 | 15:10 | Element Mutual Coupling Effect in a Wideband Planar Aperiodic Sparse Phased Array | B5 | T08-A17 | Antennas and techniques for positioning and direction finding | T08 Positioning, localization & tracking / Regular Session / Antennas |
| Hu, Tao | 17 Mar 2020 | 13:20 | 13:20 | Convergence of OAM Beams Using Time-Modulated Concentric Circular Arrays | Exhibition Hall | Poster1-A22 | Poster Session 1: MIMO, diversity, smart antennas & signal processing | Antennas |
| Hu, Tao | 17 Mar 2020 | 13:20 | 13:20 | Propagation Model for UCA-based OAM Communications in Six-Ray Canyon Channels | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Hu, Tao | 17 Mar 2020 | 13:20 | 13:20 | Mode Modulation Based Multi-Mode Transmitter for Line-of-Sight Propagation | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Hu, Wei | 16 Mar 2020 | 15:10 | 15:30 | A Broadband Circularly Polarized Antenna with Triple-Mode Characteristics | B5 | T08-A17 | Antennas and techniques for positioning and direction finding | T08 Positioning, localization & tracking / Regular Session / Antennas |

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| Hu, Xiaomu | 18 Mar 2020 | 09:50 | 10:10 | A Multi-Functional Compact Button Antenna for Wearable Applications | B2 | CS62 | Small Antenna in a Human Body Environment | T04 IoT and M2M / Convened Session / Antennas |
| Hu, Zhirun | 18 Mar 2020 | 13:20 | 13:20 | Ultra-wideband Polarization-insensitive Thin Microwave Absorber Composed of Triple-layer Resistive Surfaces | Exhibition Hall | Poster2-E07 | Poster Session 2: Frequency and polarization selective surfaces | Electromagnetics |
| Hu, Zhirun | 19 Mar 2020 | 13:20 | 13:20 | Graphene Printed Flexible and Conformal Array Antenna on Paper Substrate for 5.8GHz Wireless Communications | Exhibition Hall | Poster3-A12 | Poster Session 3: Wearable and implantable antennas | Antennas |
| Hu, Zhirun | 20 Mar 2020 | 11:40 | 12:00 | Non-invasive Blood Glucose Measurement Based on Microwave Resonator | B5 | T11-M01 | Material characterisation and non-destructive testing | T11 Fundamental research and emerging technologies / Regular Session / Measurements |
| Hua, Boyu | 18 Mar 2020 | 13:20 | 13:20 | Modeling and Simulation for UAV Air-to-Ground mmWave Channels | Exhibition Hall | Poster2-P09 | Poster Session 2: Propagation for vehicular communications | Propagation |
| Hua, Qiang | 17 Mar 2020 | 09:30 | 09:50 | A Dual-Polarized 5G Base Station Antenna Using Machine-Learning Based Optimization Method | B10 | CS39 | Machine Learning in Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Huang, Chen | 18 Mar 2020 | 13:20 | 13:20 | Clustering Performance Evaluation Algorithm for Vehicle-to-Vehicle Radio Channels | Exhibition Hall | Poster2-P09 | Poster Session 2: Propagation for vehicular communications | Propagation |
| Huang, Guan-Long | 18 Mar 2020 | 13:20 | 13:20 | A 16x16-Element Single-Layer Full-Corporate-Fed SIW Slot Array Antenna | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Huang, Guan-Long | 18 Mar 2020 | 13:20 | 13:20 | A Low-Profile Millimeter-Wave Circularly-Polarized Multilayer Waveguide Antenna Array for Satellite Communication Application | Exhibition Hall | Poster2-A10 | Poster Session 2: Slotted-waveguide and leaky-wave antennas | Antennas |
| Huang, Huan-Chu | 17 Mar 2020 | 09:30 | 09:50 | Embedded 60-GHz mm-Wave Antennas in Non-mm-Wave Antennas Integrating a Package (AiAiP) for Motion Recognition in a Full-Screen Metal-Framed Cell Phone | A2 | T02-A04/2 | Millimetre wave arrays for mobile terminals | T02 Millimetre wave 5G / Regular Session / Antennas |
| Huang, Huan-Chu | 17 Mar 2020 | 09:50 | 10:10 | Embedded 5G Wideband Dual-Polarized mm-Wave Antennas in Non-mm-Wave Antennas Integrating a Package (AiAiP) for a Metal-Framed Cell Phone | A2 | T02-A04/2 | Millimetre wave arrays for mobile terminals | T02 Millimetre wave 5G / Regular Session / Antennas |
| Huang, Huilin | 20 Mar 2020 | 08:50 | 09:10 | Characterization of Stirrer Performance in Reverberation Chamber Using Characteristic Modes | B5 | T11-M05 | EMI/EMC/PIM chambers, instrumentation, and measurements | T11 Fundamental research and emerging technologies / Regular Session / Measurements |
| Huang, Huilin | 20 Mar 2020 | 09:10 | 09:30 | Evaluation of the Purity of OAM Modes Using the Reverberation Chamber Technique | B5 | T11-M05 | EMI/EMC/PIM chambers, instrumentation, and measurements | T11 Fundamental research and emerging technologies / Regular Session / Measurements |
| Huang, Jingjing | 18 Mar 2020 | 13:20 | 13:20 | Switched Beam Lens Antennas Fed with Magneto-Electric Dipoles | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Huang, Mo | 19 Mar 2020 | 13:20 | 13:20 | High-Efficiency Rectifiers with Wide Input Power Range and Application on Powering Wireless Sensors | Exhibition Hall | Poster3-A20 | Poster Session 3: Antennas for wireless power transmission and harvesting | Antennas |
| Huang, Tao | 19 Mar 2020 | 13:20 | 13:20 | Deployable Helix Antennas for Nano and Micro Satellites | Exhibition Hall | Poster3-M07 | Poster Session 3: Satellite and aerospace antenna characterisation | Measurements |
| Huang, Yi | 16 Mar 2020 | 17:00 | 17:20 | A Novel Duplexing Antenna for Feedback Wireless Power Transfer | B9 | CS43 | Near- and Far-Field Wireless Power Transfer | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Huang, Yi | 17 Mar 2020 | 09:30 | 09:50 | A Dual-Polarized 5G Base Station Antenna Using Machine-Learning Based Optimization Method | B10 | CS39 | Machine Learning in Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Huang, Yi | 18 Mar 2020 | 12:00 | 12:20 | Broadband Metasurface-Based Antenna Using Hexagonal Loop Elements | B1 | CS45 | New Perspectives and Applications of Characteristic Mode Analysis in Antenna Design | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Huang, Yi | 19 Mar 2020 | 13:20 | 13:20 | A Dual-Element Folded Strip Monopole with SRR Loading for Multiband Handset MIMO Applications | Exhibition Hall | Poster3-A11 | Poster Session 3: Multiband and wideband antennas | Antennas |
| Huang, Yi | 19 Mar 2020 | 13:20 | 13:20 | A Dual-Port, Dual-Polarized and Wideband Slot Rectenna for Ambient RF Energy Harvesting | Exhibition Hall | Poster3-A20 | Poster Session 3: Antennas for wireless power transmission and harvesting | Antennas |
| Huang, Zeyu | 19 Mar 2020 | 09:30 | 09:50 | Performance of 5G Terrestrial Network Deployments for Serving UAV Communications | B7 | T06-P09 | Propagation for Unmanned Aerial Vehicles (UAVs) | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Propagation |
| Huber, Sigurd | 17 Mar 2020 | 13:20 | 13:20 | Contingency Mitigation Aspects for Reflector Based Satellite SAR Systems | Exhibition Hall | Poster1-A18 | Poster Session 1: Reflector, feed systems, and components | Antennas |
| Hügler, Philipp | 20 Mar 2020 | 11:40 | 12:00 | A Wideband 122 GHz Cavity-Backed Dipole Antenna for Millimeter-Wave Radar Altimetry | B7 | T06-A11 | Aircraft antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Hui, Ning | 17 Mar 2020 | 13:20 | 13:20 | Zero Index Metamaterial for High Gain Array | Exhibition Hall | Poster1-A09 | Poster Session 1: Lens antennas | Antennas |
| Huitema, Laure | 18 Mar 2020 | 13:20 | 13:20 | Compact Circular Polarized Antenna for Multi-band Operation | Exhibition Hall | Poster2-A08 | Poster Session 2: Electrically small antennas | Antennas |
| Huitema, Laure | 19 Mar 2020 | 17:00 | 17:20 | Polarization Reconfiguration of a Millimeter-Waves Antenna Using the Optical Control of Phase Change Materials | A3 | CS49 | Novel Techniques for Beam Manipulation at Millimeter | T02 Millimetre wave 5G / Convened Session / Antennas |
| Hum, Sean V | 16 Mar 2020 | 13:30 | 13:50 | Dual-band Anomalous Reflection with Interleaved Metagratings | B11 | T11-E08 | Metamaterials, metasurfaces and advanced materials | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Huo, Peng | 19 Mar 2020 | 13:20 | 13:20 | Field Emulator for Wireless Communication Devices Base on Programmable Metasurface | Exhibition Hall | Poster3-M09 | Poster Session 3: MIMO and OTA testing | Measurements |
| Hurshkainen, Anna | 17 Mar 2020 | 08:30 | 08:50 | Metasurface for Dense Dipole Array Decoupling in Ultra-High Field MRI | B9 | CS09 | Analytical and Numerical Methods for Metasurface Analysis and Design | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Hurshkainen, Anna | 17 Mar 2020 | 11:20 | 11:40 | An Artificial Shield for MRI Birdcage Coil with Constructive Interference | B9 | CS09 | Analytical and Numerical Methods for Metasurface Analysis and Design | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Huss, Fredrik RM | 19 Mar 2020 | 09:10 | 09:30 | Clustering of Dielectric and Colour Profiles of an Ex-vivo Burnt Human Skin Sample | B6 | T05-A12/2 | Point of Care Microwave Sensors | T05 Biomedical and health / Regular Session / Antennas |

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|-----------------------------|-------------|-------|-------|---|-----------------|-------------|---|---|
| Hussain, Rifaqat | 16 Mar 2020 | 16:20 | 16:40 | A Wide-band Slot-based Frequency Agile Yagi-Like MIMO Antenna System | B6 | T05-A12/1 | Wearable and implantable antennas | T05 Biomedical and health / Regular Session / Antennas |
| Hussain, Rifaqat | 19 Mar 2020 | 13:20 | 13:20 | A Novel Frequency Reconfigurable Yagi-Like MIMO Antenna System | Exhibition Hall | Poster3-A13 | Poster Session 3: Adaptive and reconfigurable antennas | Antennas |
| Hussain, Sajjad | 19 Mar 2020 | 08:50 | 09:10 | A Dynamic Visibility Algorithm for Ray Tracing in Outdoor Environments with Moving Transmitters and Scatterers | B1 | T02-P02 | Millimetre wave propagation modelling | T02 Millimetre wave 5G / Regular Session / Propagation |
| Huttunen, Heikki | 19 Mar 2020 | 17:20 | 17:40 | Passive RFID-based Textile Touchpad | B6 | T05-A12/3 | Body area antennas and sensor systems | T05 Biomedical and health / Regular Session / Antennas |
| Hutu, Florin | 20 Mar 2020 | 09:30 | 09:50 | Full Duplex Spatial Modulation System Performance Depending on Self-interference Cancellation Accuracy | A2 | T01-A22 | MIMO, diversity, smart antennas & signal processing | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Huynen, Isabelle | 17 Mar 2020 | 12:00 | 12:20 | Dual-Band Beams Generation with Metasurface Based on the EFIE | B9 | CS09 | Analytical and Numerical Methods for Metasurface Analysis and Design | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Hyjazie, Fayez | 17 Mar 2020 | 11:40 | 12:00 | Substrate Integrated Dual Linearly Polarized End-Fire Antenna Array Operating at 28GHz | A2 | T02-A04/2 | Millimetre wave arrays for mobile terminals | T02 Millimetre wave 5G / Regular Session / Antennas |
| Hyjazie, Fayez | 19 Mar 2020 | 13:20 | 13:20 | Multi-Band/Wide Band Printed Quad Helical Antenna | Exhibition Hall | Poster3-A11 | Poster Session 3: Multiband and wideband antennas | Antennas |
| Hyjazie, Fayez | 19 Mar 2020 | 16:40 | 17:00 | Dual Polarized Dual Band Collocated Beam Switching Antennas for WLAN Applications | B1 | T03-A11 | Antennas for WLAN Applications | T03 Wireless LANs / Regular Session / Antennas |
| Hynes, Christopher G | 16 Mar 2020 | 17:40 | 18:00 | On the Accuracy of Standard Gain Horn Measurement | B7 | T06-M03 | Near-field, far-field, compact and RCS range measurement techniques | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Measurements |
| Hynes, Christopher G | 17 Mar 2020 | 13:20 | 13:20 | Off-the-shelf Optical Antenna Feed System | Exhibition Hall | Poster1-M03 | Poster Session 1: Near-field, far-field, compact and RCS range measurement techniques | Measurements |
| Hynes, Christopher G | 20 Mar 2020 | 11:00 | 11:20 | 3D Simulation of Infinite Baffle Diffraction | B9 | T10-P02 | Propagation modelling and simulation | T10 EM modelling and simulation tools / Regular Session / Propagation |
| Ian, Harrison | 19 Mar 2020 | 13:20 | 13:20 | Green Coordinates for Generation of Conformal Antenna Geometries | Exhibition Hall | Poster3-A06 | Poster Session 3: Conformal antennas | Antennas |
| Icheln, Clemens | 17 Mar 2020 | 17:20 | 17:40 | Real-Time Demonstration of Antenna Effects on Emulated Wireless Capsule Endoscope Links | B6 | SW01 | COST Session CA15104 (IRACON): Measurements and Simulations in Channel Modelling in Wireless Body Area Networks | T05 Biomedical and health / Convened Session / Propagation |
| Icheln, Clemens | 19 Mar 2020 | 17:40 | 18:00 | A Dual-band Repeater Antenna for On-Body Receiver Unit of Wireless Capsule Endoscope | B6 | T05-A12/3 | Body area antennas and sensor systems | T05 Biomedical and health / Regular Session / Antennas |
| Ijjeh, Abdelrahman Abdallah | 17 Mar 2020 | 17:40 | 18:00 | Time-Domain Modeling and Simulation of EM-Fields Propagation in Anisotropic Dispersive Media with Non-Conformal Meshing | B11 | T10-E03/2 | Computational and numerical techniques 2 | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Ilioudis, Christos V. | 17 Mar 2020 | 09:50 | 10:10 | On Models and Approaches for Human Vital Signs Extraction from Short Range Radar Signals | B4 | T11-M02 | Radar scattering measurement and calibration techniques | T11 Fundamental research and emerging technologies / Regular Session / Measurements |
| Imamura, Toshifumi | 19 Mar 2020 | 13:20 | 13:20 | Single-Chip Impulse-Radar Integrated Circuits for Microwave-Imaging | Exhibition Hall | Poster3-A16 | Poster Session 3: UWB antennas and time-domain techniques | Antennas |
| Imberg, Ulrik | 16 Mar 2020 | 14:10 | 14:30 | On the Design of a 27-dBi Phased Array for 5G Point-to-Point Communications | A2 | CS02 | Advanced Antenna Arrays for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Antennas |
| Imran, Muhammad Ali | 17 Mar 2020 | 13:20 | 13:20 | A Recursive Calibration Approach for Smart Antenna Beamforming Frontend | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Imran, Muhammad Ali | 17 Mar 2020 | 13:20 | 13:20 | Direction of Arrival Estimation Using Hybrid Spatial Cross-Cumulants and Root-MUSIC | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Imran, Muhammad Ali | 17 Mar 2020 | 13:20 | 13:20 | Non-Gaussian Colored Noise Generation for Wireless Channel Simulation with Particle Swarm Optimizer | Exhibition Hall | Poster1-A22 | Poster Session 1: MIMO, diversity, smart antennas & signal processing | Antennas |
| Inca, Saúl | 17 Mar 2020 | 11:40 | 12:00 | Channel Modelling Based on Game Engines Light Physics for mmW in Indoor Scenarios | A3 | CS35 | IET/IRACON Session: Propagation Measurements and Modelling for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Incorvaia, Gabriele | 19 Mar 2020 | 18:00 | 18:20 | Tracking Targets from Indirect Through-The-Wall Radar Observations | B9 | T10-E05/2 | Imaging and inverse scattering | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Inomata, Minoru | 18 Mar 2020 | 08:30 | 08:50 | Transparent Glass Antenna for 28 GHz and Its Signal Reception Characteristics in Urban Environment | B7 | T06-A17 | Automotive antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Iqbal, Amjad | 17 Mar 2020 | 09:10 | 09:30 | Compact Millimeter-Wave MIMO Antenna for 5G Applications | B10 | CS39 | Machine Learning in Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| İrgin, Ümit | 17 Mar 2020 | 13:20 | 13:20 | An Improved Receiver for Harmonic Motion Microwave Doppler Imaging | Exhibition Hall | Poster1-M04 | Poster Session 1: Data acquisition, imaging algorithms and processing methods | Measurements |
| Iriarte, JuanCarlos | 17 Mar 2020 | 13:20 | 13:20 | New Hexagonal CORPS-BFN for Multibeam Antenna Applications | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Iriarte, JuanCarlos | 19 Mar 2020 | 13:20 | 13:20 | Design of Multiband Conformal Antenna for Sounding Rocket | Exhibition Hall | Poster3-A06 | Poster Session 3: Conformal antennas | Antennas |
| Isernia, Tommaso | 17 Mar 2020 | 09:10 | 09:30 | Qualitative Techniques for Generating Spatial Prior Information for Biomedical Microwave Imaging | B6 | CS60 | Sensors and Systems for Microwave Biomedical Imaging and Sensing | T05 Biomedical and health / Convened Session / Antennas |
| Isernia, Tommaso | 17 Mar 2020 | 11:40 | 12:00 | Potentialities of Inverse Scattering Techniques for Breast Cancer Imaging at Millimeter-Waves Frequencies | B7 | SW02 | COST Session CA17115 (MyWAVE): Developments in Electromagnetic-Based Medical Technologies | T05 Biomedical and Health / Convened Session / Electromagnetics |

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|--------------------|-------------|-------|-------|---|------------------|------------------------|---|---|
| Isernia, Tommaso | 18 Mar 2020 | 13:20 | 13:20 | Towards an Effective Inverse Design of Artificial Materials Based Devices Through the Scattering Matrix Method | Exhibition Hall | Poster2-E05 | Poster Session 2: Imaging and inverse scattering | Electromagnetics |
| Isernia, Tommaso | 19 Mar 2020 | 10:40 | 11:00 | Towards 3-D Vector Intensity Focusing of near and Far Fields | B4 | CS44 | Near-Field Focusing and Pulse Generation Through Localized Waves | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Isernia, Tommaso | 19 Mar 2020 | 11:00 | 11:20 | Qualitative Imaging of Experimental Multistatic Ground Penetrating Radar Data | B9 | T10-E05/1 | Electromagnetic Methods for Direct and Inverse Scattering Involving Stratified Media | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Isernia, Tommaso | 19 Mar 2020 | 11:40 | 12:00 | Re-moving the Scattered Energy from Dielectric Objects in Spatial and Frequency Domain for Cloaking Techniques | B11 | T11-E01 | EM Theory | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Isernia, Tommaso | 19 Mar 2020 | 17:20 | 17:40 | Inverse Scattering by Means of a New Rewriting of the Integral Equations | B9 | T10-E05/2 | Imaging and inverse scattering | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Islam, Md Zahidul | 18 Mar 2020 | 11:20 | 11:40 | A Low-Profile and Efficient Front-End Antenna for Point-to-Point Wireless Communication Links | A2 | T09-A19 | Reflect arrays and transmit arrays | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Islam, Md. Rafiqul | 18 Mar 2020 | 13:20 | 13:20 | Depolarization Due to Wedge Diffraction in Satellite Radiowave Communication | Exhibition Hall | Poster2-E06 | Poster Session 2: Scattering and diffraction | Electromagnetics |
| Israel, Jonathan | 17 Mar 2020 | 08:50 | 09:10 | A Physical-Statistical Hybrid Model for Land Mobile Satellite Propagation Channel at Ku/Ka Band | B8 | T09-P08 | Satellite propagation | T09 Space (incl. cubesat) / Regular Session / Propagation |
| Israel, Jonathan | 17 Mar 2020 | 13:20 | 13:20 | Propagation Channel Characterization for Ka Mobile Communication Systems | Exhibition Hall | Poster1-P03 | Poster Session 1: Channel sounding and parameter estimation techniques | Propagation |
| Issakov, Vadim | 17 Mar 2020 | 08:50 | 09:10 | Breast Cancer Imaging Using a 24 GHz Ultra-Wideband MIMO FMCW Radar: System Considerations and First Imaging Results | B6 | CS60 | Sensors and Systems for Microwave Biomedical Imaging and Sensing | T05 Biomedical and health / Convened Session / Antennas |
| Ištuk, Niko | 18 Mar 2020 | 09:10 | 09:30 | Fast Measurements of Dielectric Properties with Small Size Microwave Transceiver | B6 | SW03 | COST Session CA17115 (MyWAVE): Supporting Medical Device Development via Dielectric and Thermal Tissue Characterization | T05 Biomedical and health / Convened Session / Measurements |
| Ištuk, Niko | 20 Mar 2020 | 08:30 | 08:50 | Detailed Dielectric Characterisation of the Heart and Great Vessels | B6 | SW06 | H2020 Session ID764479 (EMERALD): Electromagnetic Imaging for a Novel Generation of Medical Devices | T05 Biomedical and health / Convened Session / Electromagnetics |
| Ito, Hiroyuki | 19 Mar 2020 | 13:20 | 13:20 | Single-Chip Impulse-Radar Integrated Circuits for Microwave-Imaging | Exhibition Hall | Poster3-A16 | Poster Session 3: UWB antennas and time-domain techniques | Antennas |
| Ito, Satoshi | 18 Mar 2020 | 09:30 | 09:50 | A Study on the Variety and Size of Input Data for Radio Propagation Prediction Using a Deep Neural Network | B10 | T11-P02/2 | Machine Learning in Radio Propagation | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Iupikov, Oleg | 20 Mar 2020 | 08:30 | 08:50 | Integrated Doherty Power Amplifier - Antenna Element with Active Impedance Modulation: Efficiency vs. Bandwidth Trade-Offs | A2 | T01-A22 | MIMO, diversity, smart antennas & signal processing | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Iustin, Roman | 18 Mar 2020 | 10:40 | 11:00 | A Triband Wire Antenna for All Radio and TV Bands | B7 | T06-A17 | Automotive antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Ivanenko, Yevhen | 19 Mar 2020 | 12:00 | 12:20 | On the Optical Theorem and Optimal Extinction, Scattering and Absorption in Lossy Media | B11 | T11-E01 | EM Theory | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Ivashina, Marianna | 17 Mar 2020 | 13:20 | 13:20 | High Power mm-Wave Spatial Power Combiner Employing On-Chip Isolation Resistors | A2 (Poster Area) | Convened Poster 1-CS17 | Antennas with Multi-Port/Distributed Feeding and On-Antenna Power-Combining for Efficient Integration and Reconfigurability | T02 Millimetre wave 5G / Convened Session / Antennas |
| Ivashina, Marianna | 18 Mar 2020 | 13:20 | 13:20 | Antenna Mutual Coupling Effects in Highly Integrated Transmitter Arrays | Exhibition Hall | Poster2-A02 | Poster Session 2: Antenna interactions and coupling | Antennas |
| Ivashina, Marianna | 19 Mar 2020 | 11:40 | 12:00 | Design and Simulation of a 28 GHz Plane Wave Generator for NR Measurements | A3 | CS34 | IET/AMTA Session: Test and Measurement Challenges for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Measurements |
| Ivashina, Marianna | 20 Mar 2020 | 08:30 | 08:50 | Integrated Doherty Power Amplifier - Antenna Element with Active Impedance Modulation: Efficiency vs. Bandwidth Trade-Offs | A2 | T01-A22 | MIMO, diversity, smart antennas & signal processing | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Ivashina, Marianna | 20 Mar 2020 | 10:40 | 11:00 | Array Configuration Effect on the Spatial Correlation of MU-MIMO Channels in NLoS Environments | A2 | T01-A22 | MIMO, diversity, smart antennas & signal processing | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Ivashina, Marianna | 20 Mar 2020 | 11:20 | 11:40 | Edge Truncation Effects in a Wide-Scan Phased Array of Connected Bowtie Antenna Elements | B7 | T06-A11 | Aircraft antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Iversen, Per | 16 Mar 2020 | 14:50 | 15:10 | Experimental Comparison of Vehicular Antenna Measurements Performed over Different Floors | B7 | CS05 | AMTA Session: Automotive Antenna Measurements and Testing | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Convened Session / Measurements |
| Iversen, Per | 16 Mar 2020 | 16:00 | 16:20 | Experimental Validation of the Translated-SWE Technique Applied to Automotive Measurements over PEC-Floor at Arbitrary Height | B7 | T06-M03 | Near-field, far-field, compact and RCS range measurement techniques | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Measurements |
| Iversen, Per | 18 Mar 2020 | 11:00 | 11:20 | OTA Testing of Antennas & Devices Using Plane Wave Generator or Synthesizer | A3 | CS06 | AMTA/IRACON Session: Over-The-Air Testing of 5G Radios | T02 Millimetre wave 5G / Convened Session / Measurements |
| Ivšić, Branimir | 17 Mar 2020 | 13:20 | 13:20 | Analysis of Safe Ultrawideband Human-Robot Communication in Automated Collaborative Warehouse | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Iwasaki, Masaki | 19 Mar 2020 | 13:20 | 13:20 | Transmit and Receive Module with a Fully-Digital Interface | Exhibition Hall | Poster3-A14 | Poster Session 3: Active and integrated antennas | Antennas |
| Iwata, Atsushi | 19 Mar 2020 | 13:20 | 13:20 | Single-Chip Impulse-Radar Integrated Circuits for Microwave-Imaging | Exhibition Hall | Poster3-A16 | Poster Session 3: UWB antennas and time-domain techniques | Antennas |

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|------------------------------|-------------|-------|-------|---|------------------|------------------------|---|--|
| Iyer, Ashwin K. | 16 Mar 2020 | 16:20 | 16:40 | Design and Simulation of Polarization-Sensitive ENNZ-Lined Apertures for Visible-Light Metasurfaces | B11 | T11-E08 | Metamaterials, metasurfaces and advanced materials | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Iyer, Ashwin K. | 18 Mar 2020 | 10:40 | 11:00 | Modern Challenges for EE Students Pursuing Fundamental Research in Metamaterials | B4 | CS26 | Education in Electromagnetics, Antennas, and Microwaves | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Iyer, Ashwin K. | 19 Mar 2020 | 13:20 | 13:20 | Mechanically Tunable MTM-EBG-based Bandstop Filter | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Iyer, Ashwin K. | 19 Mar 2020 | 17:40 | 18:00 | Embedded MTM-EBGs in Patch Antenna for Simultaneously Dual-Band and Dual-Polarized Operation | B1 | T03-A11 | Antennas for WLAN Applications | T03 Wireless LANs / Regular Session / Antennas |
| Ja'afar, Hajar | 18 Mar 2020 | 13:20 | 13:20 | A New Feed Network for the Communication Signal and Excitation of Surface-Wave-Driven Plasma Antennas | Exhibition Hall | Poster2-A01 | Poster Session 2: Antenna theory | Antennas |
| Jaafar, Hussein | 18 Mar 2020 | 11:20 | 11:40 | Systematic Approach to Design a Circularly Polarized Antenna Using the Characteristic Modes Theory | B1 | CS45 | New Perspectives and Applications of Characteristic Mode Analysis in Antenna Design | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Jabbari gargari, Farzad | 17 Mar 2020 | 13:20 | 13:20 | A Nesting Approach for the Numerical Analysis of MRI Birdcage Antennas in the Presence of the Human Head | A2 (Poster Area) | Convened Poster 1-CS27 | Electromagnetics in MRI Applications | T05 Biomedical and health / Convened Session / Electromagnetics |
| Jackson, Andrew D | 17 Mar 2020 | 08:30 | 08:50 | The Road to Electromagnetism | B11 | BC/1 | History of Electromagnetism 1 | T13 Bicentennial Session / Electromagnetics |
| Jackson, David R. | 19 Mar 2020 | 09:50 | 10:10 | History of Microstrip and Dielectric Resonator Antennas | B11 | BC/3 | History of Electromagnetism 3 | T13 Bicentennial Session / Electromagnetics |
| Jackson, David R. | 19 Mar 2020 | 16:40 | 17:00 | Review of Recent Advances in the Leaky-Wave Analysis of 2-D Leaky-Wave Antennas | B2 | T02-A10 | Leaky-wave and Traveling-wave Antennas | T02 Millimetre wave 5G / Regular Session / Antennas |
| Jacob, Karl | 18 Mar 2020 | 11:20 | 11:40 | Optics for the Submillimeter Wave Instrument on Jupiter Mission JUICE | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Jacobsen, Rasmus Elkjaer | 17 Mar 2020 | 17:00 | 17:20 | Water-Based Microwave Reflectarrays | B4 | CS67 | Water-Based Microwave Devices | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Jacobsen, Rasmus Elkjaer | 18 Mar 2020 | 13:20 | 13:20 | Water-Based Microwave Antennas | A2 (Poster Area) | Convened Poster 2-CS29 | Exotic Antennas from Nano to Macro Scales | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Jafari, Ahmadreza | 18 Mar 2020 | 11:20 | 11:40 | Harness Connection and Immediate Environment Impact on RF Automotive Receivers Antenna BW | B7 | T06-A17 | Automotive antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Jäger, Monika | 19 Mar 2020 | 09:10 | 09:30 | Analysis of 60-GHz In-street Backhaul Channel Measurements and LiDAR Ray-based Simulations | B1 | T02-P02 | Millimetre wave propagation modelling | T02 Millimetre wave 5G / Regular Session / Propagation |
| Jahanbakhsh Basherlou, Haleh | 17 Mar 2020 | 11:40 | 12:00 | A New Broadband MIMO Antenna System for Sub 6 GHz 5G Cellular Communications | B10 | CS39 | Machine Learning in Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Jahanbakhsh Basherlou, Haleh | 19 Mar 2020 | 13:20 | 13:20 | Multi-Mode Smartphone Antenna Array for 5G Massive MIMO Applications | Exhibition Hall | Poster3-A11 | Poster Session 3: Multiband and wideband antennas | Antennas |
| Jahanbakhsh Basherlou, Haleh | 19 Mar 2020 | 13:20 | 13:20 | Ultra-Wideband MIMO Diversity Antenna System for Future Handsets | Exhibition Hall | Poster3-A11 | Poster Session 3: Multiband and wideband antennas | Antennas |
| Jaisle, Kurt | 19 Mar 2020 | 12:00 | 12:20 | Image Radar Determining the Nominal Body Contour for Characterization of Concealed Person-Worn Explosives | B9 | T10-E05/1 | Electromagnetic Methods for Direct and Inverse Scattering Involving Stratified Media | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Jakobus, Ulrich | 18 Mar 2020 | 08:50 | 09:10 | Antenna Positioning for Bandwidth Optimization Using Characteristic Mode Analysis | B1 | CS45 | New Perspectives and Applications of Characteristic Mode Analysis in Antenna Design | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Jakoby, Rolf | 19 Mar 2020 | 13:20 | 13:20 | Temperature Characterization of High-Q Resonators of Different Materials for mm-Wave Indoor Localization Tag Landmarks | Exhibition Hall | Poster3-A21 | Poster Session 3: Additive manufacturing | Antennas |
| Jakoby, Rolf | 19 Mar 2020 | 18:00 | 18:20 | Fully Dielectric Phased Array for Beamsteering Using Liquid Crystal Technology at W-Band | A3 | CS49 | Novel Techniques for Beam Manipulation at Millimeter | T02 Millimetre wave 5G / Convened Session / Antennas |
| Jamaly, Nima | 19 Mar 2020 | 10:40 | 11:00 | Penetration Loss into Train Wagons: Q-factor Measurements | B1 | T01-P02 | Propagation modelling and simulation | T01 LTE and Sub-6GHz 5G / Regular Session / Propagation |
| James, Peter J | 18 Mar 2020 | 11:40 | 12:00 | Three Port Circular Patch Antenna with Pattern and Polarisation Agility | B7 | T06-A17 | Automotive antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Jana, Soumyajyoti | 19 Mar 2020 | 16:40 | 17:00 | Remote Sensing of Tropical Precipitation with Radar and Radiometric Measurements | B8 | T09-P13 | Propagation Aspects in Remote Sensing | T09 Space (incl. cubesat) / Regular Session / Propagation |
| Jandieri, Vakhtang | 17 Mar 2020 | 17:20 | 17:40 | Radiation Shaping by Using Lattice Modes in a Dual-feed Dielectric Structure | B9 | CS32 | High-Frequency Methods and Applications | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Jang, Byung Jun | 16 Mar 2020 | 17:40 | 18:00 | Design of an Array Antenna Consisting of Three Dual Antenna Sets with a Narrow Array Distance for Interference Mitigation | B2 | T04-A08 | IoT antennas | T04 IoT and M2M / Regular Session / Antennas |
| Jang, Jae-Hyung | 16 Mar 2020 | 15:10 | 15:30 | Frequency Reconfigurable Multi-Band Antenna Using 1-D EBG Structures with BST Chip Capacitors | B6 | T05-A12/1 | Wearable and implantable antennas | T05 Biomedical and health / Regular Session / Antennas |
| Janjic, Aleksandar | 20 Mar 2020 | 11:40 | 12:00 | Monitoring Tumor Response During Chemotherapy Treatment with Microwave Imaging | B6 | SW06 | H2020 Session ID764479 (EMERALD): Electromagnetic Imaging for a Novel Generation of Medical Devices | T05 Biomedical and health / Convened Session / Electromagnetics |
| Jankovic, Petar | 16 Mar 2020 | 14:30 | 14:50 | Rotman Lenses with Ridged Waveguides in Q-Band | B8 | T09-A09 | Millimetre wave lens antennas for space applications | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Jansen, Ivar | 19 Mar 2020 | 13:20 | 13:20 | Design and Evaluation of a Radio-Interferometry Antenna for the REXUS 25 Sounding Rocket | Exhibition Hall | Poster3-A06 | Poster Session 3: Conformal antennas | Antennas |

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|-----------------------|-------------|-------|-------|--|-----------------|-------------|---|--|
| Januszkiewicz, Lukasz | 17 Mar 2020 | 16:40 | 17:00 | Human Body Modelling for Wireless Body Area Network Optimization | B6 | SW01 | COST Session CA15104 (IRACON): Measurements and Simulations in Channel Modelling in Wireless Body Area Networks | T05 Biomedical and health / Convened Session / Propagation |
| Jarozewicz, Thomas | 19 Mar 2020 | 09:10 | 09:30 | Analytic Expressions for Matrix Elements of Integral Equation Operators and Aspects of Their Numerical Implementation | B8 | CS30 | Fundamental Challenges and Novel Methodologies in the Next-Generation Computational Electromagnetics | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Jauch, Alisa | 16 Mar 2020 | 16:00 | 16:20 | Dual-Polarized Dielectric Resonator Antenna Array for 5G Mobile Radio Base Stations | A2 | T02-A04/1 | Millimetre wave arrays for mobile communications | T02 Millimetre wave 5G / Regular Session / Antennas |
| Jáuregui-López, Irati | 19 Mar 2020 | 13:20 | 13:20 | Labyrinth Absorber Based on Metageometries Metasurface for Fungi Detection | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Javanbakht, Nima | 18 Mar 2020 | 13:20 | 13:20 | Electronic Beam Scanning Leaky-Wave Antenna Based on Delta Shape Half-Mode Substrate Integrated Waveguide | Exhibition Hall | Poster2-A10 | Poster Session 2: Slotted-waveguide and leaky-wave antennas | Antennas |
| Javanbakht, Nima | 19 Mar 2020 | 17:20 | 17:40 | Reducing Side-Lobe Level of Surface Mounted Printed Leaky-Wave Antenna | B2 | T02-A10 | Leaky-wave and Traveling-wave Antennas | T02 Millimetre wave 5G / Regular Session / Antennas |
| Jawad, Ourouk | 20 Mar 2020 | 09:50 | 10:10 | A Fast and Rigorous Assessment of the Specific Absorption Rate (SAR) for MIMO Cellular Equipment Based on Vector Near-Field Measurements | B2 | T05-M06 | Dosimetry, exposure, and SAR assessment | T05 Biomedical and health / Regular Session / Measurements |
| Jebbawi, Khodor | 17 Mar 2020 | 17:00 | 17:20 | Design of a Resistant Circularly Polarized Tag Antenna with High Performances in the EU UHF RFID Band | B2 | T04-A15 | RFID and backscattering antennas | T04 IoT and M2M / Regular Session / Antennas |
| Jeffrey, Ian | 17 Mar 2020 | 09:10 | 09:30 | Qualitative Techniques for Generating Spatial Prior Information for Biomedical Microwave Imaging | B6 | CS60 | Sensors and Systems for Microwave Biomedical Imaging and Sensing | T05 Biomedical and health / Convened Session / Antennas |
| Jehangir, Syed | 16 Mar 2020 | 16:20 | 16:40 | A Wide-band Slot-based Frequency Agile Yagi-Like MIMO Antenna System | B6 | T05-A12/1 | Wearable and implantable antennas | T05 Biomedical and health / Regular Session / Antennas |
| Jehangir, Syed | 19 Mar 2020 | 13:20 | 13:20 | A Novel Frequency Reconfigurable Yagi-Like MIMO Antenna System | Exhibition Hall | Poster3-A13 | Poster Session 3: Adaptive and reconfigurable antennas | Antennas |
| Jelinek, Lukas | 18 Mar 2020 | 13:20 | 13:20 | Feeding Positions Providing the Lowest TARC of Uncorrelated Channels | Exhibition Hall | Poster2-E03 | Poster Session 2: Computational and numerical techniques | Electromagnetics |
| Jelinek, Lukas | 18 Mar 2020 | 13:20 | 13:20 | Hybrid MoM/T-Matrix Method for Analysis of Interaction Between Objects | Exhibition Hall | Poster2-E03 | Poster Session 2: Computational and numerical techniques | Electromagnetics |
| Jelinek, Lukas | 20 Mar 2020 | 09:50 | 10:10 | Fundamental Bounds for Volumetric Structures and Their Feasibility | B10 | CS11 | Antenna Design and Fundamental Bounds with External Constraints | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Jemmeli, Sarra | 18 Mar 2020 | 13:20 | 13:20 | Compact Circular Polarized Antenna for Multi-band Operation | Exhibition Hall | Poster2-A08 | Poster Session 2: Electrically small antennas | Antennas |
| Jensen, Irene | 17 Mar 2020 | 13:20 | 13:20 | Electromagnetic Pipeline Coating Communication for IoT Condition Monitoring of Subsea O&G Pipelines | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Ji, Xiaoning | 16 Mar 2020 | 17:40 | 18:00 | Frequency Diverse Array Information Geometry Analysis | B5 | T08-A17 | Antennas and techniques for positioning and direction finding | T08 Positioning, localization & tracking / Regular Session / Antennas |
| Ji, Yilin | 16 Mar 2020 | 15:10 | 15:30 | Wideband Radio Channel Emulation Using Band-stitching Schemes | B7 | CS05 | AMTA Session: Automotive Antenna Measurements and Testing | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Convened Session / Measurements |
| Ji, Yilin | 18 Mar 2020 | 09:10 | 09:30 | On Noise and Interference Modeling for Over-the-air Testing of MIMO Terminals | A3 | CS06 | AMTA/IRACON Session: Over-The-Air Testing of 5G Radios | T02 Millimetre wave 5G / Convened Session / Measurements |
| Jia, Tianyuan | 17 Mar 2020 | 09:30 | 09:50 | A Dual-Polarized 5G Base Station Antenna Using Machine-Learning Based Optimization Method | B10 | CS39 | Machine Learning in Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Jia, Yuming | 17 Mar 2020 | 13:20 | 13:20 | Processing Azimuth-Time Domain Aliasing in Spaceborne Sliding-Spotlight SAR Imaging | Exhibition Hall | Poster1-M04 | Poster Session 1: Data acquisition, imaging algorithms and processing methods | Measurements |
| Jian, Chung-Chin | 19 Mar 2020 | 13:20 | 13:20 | Low Attenuation Dichroic Sub-Reflector for Wide Incident Angles for Ka/Ku Band Satellite Antenna Systems: An ECA Analysis | Exhibition Hall | Poster3-A11 | Poster Session 3: Multiband and wideband antennas | Antennas |
| Jian, Xianjing | 17 Mar 2020 | 09:50 | 10:10 | Embedded 5G Wideband Dual-Polarized mm-Wave Antennas in Non-mm-Wave Antennas Integrating a Package (AIAIP) for a Metal-Framed Cell Phone | A2 | T02-A04/2 | Millimetre wave arrays for mobile terminals | T02 Millimetre wave 5G / Regular Session / Antennas |
| Jiang, Di | 17 Mar 2020 | 13:20 | 13:20 | Frequency Diverse Array Beamforming Using Particle Swarm Optimization | Exhibition Hall | Poster1-A19 | Poster Session 1: Reflect arrays and transmit arrays | Antennas |
| Jiang, Jiachun | 19 Mar 2020 | 13:20 | 13:20 | An Ultra-Wideband Stacked Spiral-Helix Composite Antenna | Exhibition Hall | Poster3-A11 | Poster Session 3: Multiband and wideband antennas | Antennas |
| Jiang, Jin | 19 Mar 2020 | 09:30 | 09:50 | A Wideband Dual-Polarized Antenna with Enhanced Cross-Polarization Discrimination for Base Station Application | A2 | T01-A11 | Multiband and wideband antennas | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Jiang, Shan | 18 Mar 2020 | 13:20 | 13:20 | Modeling and Simulation for UAV Air-to-Ground mmWave Channels | Exhibition Hall | Poster2-P09 | Poster Session 2: Propagation for vehicular communications | Propagation |
| Jiang, Suying | 16 Mar 2020 | 17:40 | 18:00 | Measurement and Diffuse Multipath Analysis of V2V Propagation Channel at 5.9 GHz in Tunnel Area | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Jiang, Tao | 17 Mar 2020 | 13:20 | 13:20 | Analysis of Delay Characteristics at 4.9 GHz and 28 GHz in an Indoor Industrial Scenario | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Jiang, Tao | 18 Mar 2020 | 13:20 | 13:20 | Ray-tracing Based Channel Clustering and Analysis at 28 GHz in Conference Environment | Exhibition Hall | Poster2-P05 | Poster Session 2: Mm-wave and UWB propagation | Propagation |

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|-------------------------|-------------|-------|-------|--|------------------|------------------------|--|--|
| Jiang, Tao | 18 Mar 2020 | 13:20 | 13:20 | A Comparative Study for Indoor Factory Environments at 4.9 and 28 GHz | Exhibition Hall | Poster2-P05 | Poster Session 2: Mm-wave and UWB propagation | Propagation |
| Jiang, Zhi Hao | 18 Mar 2020 | 13:20 | 13:20 | Metasurface-Based Circularly-Polarized Multibeam Reflect-/Transmit-Arrays | A2 (Poster Area) | Convened Poster 2-CS41 | Metasurfaces for Mobile (5G and Beyond) and Satellite Communication Systems | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Jie, Wenjun | 17 Mar 2020 | 13:20 | 13:20 | Convergence of OAM Beams Using Time-Modulated Concentric Circular Arrays | Exhibition Hall | Poster1-A22 | Poster Session 1: MIMO, diversity, smart antennas & signal processing | Antennas |
| Jie, Wenjun | 17 Mar 2020 | 13:20 | 13:20 | Propagation Model for UCA-based OAM Communications in Six-Ray Canyon Channels | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Jiménez-Sáez, Alejandro | 19 Mar 2020 | 13:20 | 13:20 | Temperature Characterization of High-Q Resonators of Different Materials for mm-Wave Indoor Localization Tag Landmarks | Exhibition Hall | Poster3-A21 | Poster Session 3: Additive manufacturing | Antennas |
| Jin, Ming | 17 Mar 2020 | 13:20 | 13:20 | Compact Quasi-Optical Power Combiner with Single Shaped Reflector | Exhibition Hall | Poster1-A18 | Poster Session 1: Reflector, feed systems, and components | Antennas |
| Jin, Ronghong | 19 Mar 2020 | 13:20 | 13:20 | A Reconfigurable Antenna Array with Active Integrated Switching Network for 5G Communication | Exhibition Hall | Poster3-A14 | Poster Session 3: Active and integrated antennas | Antennas |
| Jin, Ya-Qiu | 18 Mar 2020 | 13:20 | 13:20 | Microwave Polarization Converter with Multilayer Metasurface | Exhibition Hall | Poster2-E07 | Poster Session 2: Frequency and polarization selective surfaces | Electromagnetics |
| Jing, Ya | 18 Mar 2020 | 08:50 | 09:10 | Mid-field OTA RF Test Method: New Developments and Performance Comparison with the Compact Antenna Test Range (CATR) | A3 | CS06 | AMTA/IRACON Session: Over-The-Air Testing of 5G Radios | T02 Millimetre wave 5G / Convened Session / Measurements |
| Jing, Ya | 19 Mar 2020 | 13:20 | 13:20 | Recent Developments in Radiated Two-Stage MIMO OTA Test Method | Exhibition Hall | Poster3-M09 | Poster Session 3: MIMO and OTA testing | Measurements |
| Joachimowicz, Nadine | 17 Mar 2020 | 11:20 | 11:40 | Portable 3-D Microwave Imaging System for Cerebrovascular Diseases Monitoring | B7 | SW02 | COST Session CA17115 (MyWAVE): Developments in Electromagnetic-Based Medical Technologies | T05 Biomedical and Health / Convened Session / Electromagnetics |
| Joachimowicz, Nadine | 20 Mar 2020 | 08:30 | 08:50 | Detailed Dielectric Characterisation of the Heart and Great Vessels | B6 | SW06 | H2020 Session ID764479 (EMERALD): Electromagnetic Imaging for a Novel Generation of Medical Devices | T05 Biomedical and health / Convened Session / Electromagnetics |
| Joachimowicz, Nadine | 20 Mar 2020 | 08:50 | 09:10 | Head Phantoms for Microwave Imaging of Brain Strokes | B6 | SW06 | H2020 Session ID764479 (EMERALD): Electromagnetic Imaging for a Novel Generation of Medical Devices | T05 Biomedical and health / Convened Session / Electromagnetics |
| Jofre, Luis | 17 Mar 2020 | 16:40 | 17:00 | Study on Beamforming V2I Scenarios for Sub-6 GHz and mmWave Channels | B10 | T11-P02/1 | Channel Modelling for Massive MIMO and Near-Field Communication Systems | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Jofre, Luis | 19 Mar 2020 | 11:00 | 11:20 | Optimal Probe Geometry for Microwave Monitoring During in-Lab Ex-Vivo Measurements | B6 | T05-A12/2 | Point of Care Microwave Sensors | T05 Biomedical and health / Regular Session / Antennas |
| Jofre, Luis | 19 Mar 2020 | 13:20 | 13:20 | Antenna Packaging for In-body Applications | Exhibition Hall | Poster3-A12 | Poster Session 3: Wearable and implantable antennas | Antennas |
| Johannsen, Ulf | 17 Mar 2020 | 13:20 | 13:20 | 64 Element Active Phased Array as Focal Plane Array Feed for Reflector Antennas for mm-Wave Wireless Communications | Exhibition Hall | Poster1-A18 | Poster Session 1: Reflector, feed systems, and components | Antennas |
| Johannsen, Ulf | 18 Mar 2020 | 13:20 | 13:20 | 5G Millimeter-Wave NLOS Coverage Using Specular Building Reflections | Exhibition Hall | Poster2-P05 | Poster Session 2: Mm-wave and UWB propagation | Propagation |
| Johannsen, Ulf | 19 Mar 2020 | 13:20 | 13:20 | Post-Manufacturing Calibration Procedure for Medium-Sized Silicon-Based Active Phased Arrays for mm-Wave Wireless Communications | Exhibition Hall | Poster3-A14 | Poster Session 3: Active and integrated antennas | Antennas |
| Johansen, Tom | 18 Mar 2020 | 13:20 | 13:20 | Wideband Tapered Slot Antenna for D-Band Applications | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Johansson, Martin | 19 Mar 2020 | 09:30 | 09:50 | On a Fresnel-Integrals-Based Back-Scattering Model at Millimeter-Waves | B1 | T02-P02 | Millimetre wave propagation modelling | T02 Millimetre wave 5G / Regular Session / Propagation |
| Johnson, William | 19 Mar 2020 | 09:30 | 09:50 | Reducing the Dimensionality of 6-D MoM Integrals Applying Twice the Divergence Theorem | B8 | CS30 | Fundamental Challenges and Novel Methodologies in the Next-Generation Computational Electromagnetics | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Jones, Ben I | 18 Mar 2020 | 13:20 | 13:20 | Modelling of the Mechanical Antenna Using the Biot-Savart Law | Exhibition Hall | Poster2-E03 | Poster Session 2: Computational and numerical techniques | Electromagnetics |
| Jones, Chris | 19 Mar 2020 | 13:20 | 13:20 | Impact of Lightning Diverter Strips on Antenna Radiation Patterns | Exhibition Hall | Poster3-M07 | Poster Session 3: Satellite and aerospace antenna characterisation | Measurements |
| Jonsson, Lars | 17 Mar 2020 | 09:10 | 09:30 | From Optimal to Industrial Antenna: The Designer Dilemma for Compact NB-IoT Terminal | B2 | CS16 | Antennas in IoT Wireless Devices: Modelling and Industrial Considerations | T04 IoT and M2M / Convened Session / Antennas |
| Jonsson, Lars | 17 Mar 2020 | 13:20 | 13:20 | Antenna-Amplifier Co-design: On a Method to Shape the Antenna Impedance | A2 (Poster Area) | Convened Poster 1-CS10 | Antenna Array and Integrated Systems for 5G Communication Applications | T02 Millimetre wave 5G / Convened Session / Antennas |
| Jonsson, Lars | 20 Mar 2020 | 11:00 | 11:20 | Experimental Assessment of Q-factor Bounds for Miniature Embedded Antenna | B10 | CS11 | Antenna Design and Fundamental Bounds with External Constraints | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Joosens, Dennis | 16 Mar 2020 | 17:00 | 17:20 | RSS-based AoA Estimation System for IoT Applications Using Rotman Lens | B5 | T08-A17 | Antennas and techniques for positioning and direction finding | T08 Positioning, localization & tracking / Regular Session / Antennas |
| Jordão, Marina | 16 Mar 2020 | 16:40 | 17:00 | 3D Antenna Array for SWIPT Sensing with WPT Capabilities | B9 | CS43 | Near- and Far-Field Wireless Power Transfer | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Jørgensen, Erik | 17 Mar 2020 | 13:20 | 13:20 | Full-wave Scattering from Reflector Antennas on Electrically Large Platforms Using low-Memory Computers | Exhibition Hall | Poster1-A18 | Poster Session 1: Reflector, feed systems, and components | Antennas |

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| Jørgensen, Erik | 18 Mar 2020 | 14:50 | 15:30 | Computational Electromagnetics in Space | A3 | IS-Wed 2/1 | Invited Speaker Session | Electromagnetics |
| Jørgensen, Erik | 19 Mar 2020 | 17:00 | 17:20 | Design of Advanced Reflectarrays for Future CubeSat Applications | B11 | SW05 | ESA Session: Selected Papers from the 40th ESA Workshop on Antenna Developments for Terrestrial and Small-Space Platforms | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Jornet, Josep M | 17 Mar 2020 | 13:20 | 13:20 | Design and Operation of a Smart Graphene-Metal Hybrid Reflectarray at THz Frequencies | Exhibition Hall | Poster1-A19 | Poster Session 1: Reflect arrays and transmit arrays | Antennas |
| Joseph, Laya | 19 Mar 2020 | 09:30 | 09:50 | Non-Invasive Transmission Based Tumor Detection Using Anthropomorphic Breast Phantom at 2.45 GHz | B6 | T05-A12/2 | Point of Care Microwave Sensors | T05 Biomedical and health / Regular Session / Antennas |
| Joseph, Laya | 19 Mar 2020 | 10:40 | 11:00 | Low Profile Implantable Antenna for Fat Intra-Body Communication | B6 | T05-A12/2 | Point of Care Microwave Sensors | T05 Biomedical and health / Regular Session / Antennas |
| Joseph, Sumin David | 16 Mar 2020 | 17:00 | 17:20 | A Novel Duplexing Antenna for Feedback Wireless Power Transfer | B9 | CS43 | Near- and Far-Field Wireless Power Transfer | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Joseph, Wout | 16 Mar 2020 | 13:50 | 14:10 | Multilayer Ultra-Miniature Loop Antenna for Insertable Pill Application | B6 | T05-A12/1 | Wearable and implantable antennas | T05 Biomedical and health / Regular Session / Antennas |
| Joseph, Wout | 16 Mar 2020 | 14:30 | 14:50 | Phase-based Variant Maximum Likelihood Positioning for Passive UHF-RFID Tags | B5 | T08-A17 | Antennas and techniques for positioning and direction finding | T08 Positioning, localization & tracking / Regular Session / Antennas |
| Joseph, Wout | 17 Mar 2020 | 13:20 | 13:20 | Combined Antenna-Channel Characterization for Wireless Communication from Horse Hoof to Base Station | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Joseph, Wout | 17 Mar 2020 | 13:20 | 13:20 | 60 GHz Path Loss Modelling Inside Ships | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Joseph, Wout | 18 Mar 2020 | 13:20 | 13:20 | Optimal Frequency of Operation and Radiation Efficiency Limitations of Implantable Antennas | A2 (Poster Area) | Convened Poster 2-CS14 | Antennas for Harsh Environment | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Joseph, Wout | 18 Mar 2020 | 13:20 | 13:20 | Estimation of the Number of Persons in a Reverberant Environment Using Bistatic Radar | Exhibition Hall | Poster2-P12 | Poster Session 2: Radar, localisation, and sensing | Propagation |
| Joseph, Wout | 20 Mar 2020 | 09:30 | 09:50 | Joint Antenna-Channel Modelling for in-to-out-Body Propagation of Dairy Cows at 868 MHz | B11 | CS20 | Assessment and Modeling of Antennas and Radio Channels Jointly | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Joseph, Wout | 20 Mar 2020 | 11:40 | 12:00 | Massive Radio Channel Sounder Architecture for 5G Mobility Scenarios: MaMIMOSA | B11 | CS20 | Assessment and Modeling of Antennas and Radio Channels Jointly | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Joshi, Rahil | 17 Mar 2020 | 08:50 | 09:10 | Design of a Quad Band CPW - Fed Compact Flexible Patch Antenna for Wearable Applications | B2 | CS16 | Antennas in IoT Wireless Devices: Modelling and Industrial Considerations | T04 IoT and M2M / Convened Session / Antennas |
| Joubert, Johan | 17 Mar 2020 | 13:20 | 13:20 | Optimized Polarization for Rotationally Tiled, Wideband, Dual-Polarized Vivaldi Arrays | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Jović, Slobodan | 19 Mar 2020 | 18:00 | 18:20 | Novel Wideband Antenna for GNSS and Satellite Communications | B5 | CS31 | GNSS Antennas and Systems for Challenged RF Environment | T08 Positioning, localization & tracking / Convened Session / Antennas |
| Juan-Llaser, Leandro | 17 Mar 2020 | 13:20 | 13:20 | Experimental Study of Dispersion/Attenuation by Trees from 1 to 40 GHz | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Jull, Edward V. | 18 Mar 2020 | 08:30 | 08:50 | History of URSI Commission B and the Young Scientist Program | B11 | BC/2 | History of Electromagnetism 2 | T13 Bicentennial Session / Electromagnetics |
| Jun, Sung Yun | 17 Mar 2020 | 09:30 | 09:50 | Penetration Loss at 60 GHz for Indoor-to-Indoor and Outdoor-to-Indoor Mobile Scenarios | A3 | CS35 | IET/IRACON Session: Propagation Measurements and Modelling for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Junghänel, Manuela | 18 Mar 2020 | 08:50 | 09:10 | Optically Transparent Antenna Integrated Inside a Headlamp for Automotive Radar Application | B7 | T06-A17 | Automotive antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Jung-Kubiak, Cecile | 17 Mar 2020 | 13:20 | 13:20 | On the Development of a Scanning Lens Phased Array at 550GHz | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Juntunen, Jaakko | 17 Mar 2020 | 10:40 | 11:00 | Requirements for Accurate Design of Matching Circuits at 5 GHz | B2 | CS16 | Antennas in IoT Wireless Devices: Modelling and Industrial Considerations | T04 IoT and M2M / Convened Session / Antennas |
| Juric Bellotti, Maja | 17 Mar 2020 | 13:20 | 13:20 | Global Optimization of Pencil Beams with Constrained Dynamic Range Ratio | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Juswardy, Budi | 17 Mar 2020 | 17:00 | 17:20 | Analysis of the Loading Effect of Faulty LNAs on Embedded Element Patterns in the Murchison Widefield Array | B8 | CS15 | Antennas for Radio Astronomy | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Juyal, Prateek | 17 Mar 2020 | 08:30 | 08:50 | Investigation of Resonance Based Propagation Loss Modeling for THz Chip-to-Chip Wireless Communications | A3 | CS35 | IET/IRACON Session: Propagation Measurements and Modelling for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Kaddour, Abdoul sattar | 18 Mar 2020 | 12:00 | 12:20 | A Reconfigurable Origami Reflectarray | A2 | T09-A19 | Reflect arrays and transmit arrays | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Kadosh, Maor | 18 Mar 2020 | 13:20 | 13:20 | Approximating the Directivities of Antenna Elements and Arrays | Exhibition Hall | Poster2-A01 | Poster Session 2: Antenna theory | Antennas |
| Kagaya, Osamu | 18 Mar 2020 | 08:30 | 08:50 | Transparent Glass Antenna for 28 GHz and Its Signal Reception Characteristics in Urban Environment | B7 | T06-A17 | Automotive antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Kahng, Sungtek | 17 Mar 2020 | 08:30 | 08:50 | A Small Metamaterial Dual-Band Dipole Antenna Fed by Small Metamaterial Balanced-Feed | B2 | CS16 | Antennas in IoT Wireless Devices: Modelling and Industrial Considerations | T04 IoT and M2M / Convened Session / Antennas |
| Kahng, Sungtek | 20 Mar 2020 | 08:30 | 08:50 | A Novel Metamaterial Dual-band GPS Antenna Extendable to Space Diversity Applications | B1 | CS33 | IET Session: New Antenna Systems Involving Application of Metamaterials and Metasurfaces | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Kaina, Nadège | 19 Mar 2020 | 13:20 | 13:20 | Robustness in Subwavelength Locally-Resonant Metamaterial Waveguides | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |

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| Kaiser, Thomas | 18 Mar 2020 | 13:20 | 13:20 | Simulation Validation of High Resolution Indoor Terahertz Synthetic Aperture Radar Imaging | Exhibition Hall | Poster2-P12 | Poster Session 2: Radar, localisation, and sensing | Propagation |
| Kalaagi, Mohammed | 19 Mar 2020 | 13:20 | 13:20 | Fano Resonance Based Multiple Angle Retrodirective Metasurface | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Kalantari Khandani, Arefeh | 18 Mar 2020 | 11:00 | 11:20 | Ka-Band Planar Magic-T Based on E-plane Groove Gap Waveguide for Monopulse Antenna System | B7 | T06-A17 | Automotive antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Kaliberda, Lubov | 19 Mar 2020 | 11:00 | 11:20 | Radiation of Planar Dielectric Waveguide Eigenwaves Scattered by Graphene Strip Grating in THz Range | B11 | T11-E01 | EM Theory | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Kaliberda, Mstyslav | 19 Mar 2020 | 11:00 | 11:20 | Radiation of Planar Dielectric Waveguide Eigenwaves Scattered by Graphene Strip Grating in THz Range | B11 | T11-E01 | EM Theory | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Kalishin, Alexey S | 17 Mar 2020 | 13:20 | 13:20 | Complex Sounding of the Ionosphere During the Intense Magnetic Substorm | Exhibition Hall | Poster1-P03 | Poster Session 1: Channel sounding and parameter estimation techniques | Propagation |
| Kalishin, Alexey S | 18 Mar 2020 | 10:40 | 11:00 | Possibility of Signal Reflection from the Northern Crest of EIA: Case Study | B10 | T11-P04 | Experimental methods and campaigns | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Kalogeropoulos, Andreas | 19 Mar 2020 | 08:30 | 08:50 | Electromagnetic Excitation of a Layered Medium by N Magnetic Dipoles | B9 | T10-E05/1 | Electromagnetic Methods for Direct and Inverse Scattering Involving Stratified Media | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Kalva, Nagalakshmaiah | 19 Mar 2020 | 10:40 | 11:00 | Isolation Enhancement of Closely Spaced MIMO System Using Inverted Fork Shaped Decoupling Structure | A2 | T01-A02 | Terminal antennas and interactions with surroundings | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Kamoun, Mohamed | 20 Mar 2020 | 12:00 | 12:20 | Smart Dipole Arrays for Radio Channel Enhancement | B11 | CS20 | Assessment and Modeling of Antennas and Radio Channels Jointly | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Kamphuis, Tonny | 17 Mar 2020 | 17:00 | 17:20 | Towards the Realization of the E-Wall Concept at Mm-Waves | A3 | CS56 | Recent Advances on Electronically Steerable Antenna Arrays at mm-Wave Frequencies | T02 Millimetre wave 5G / Convened Session / Antennas |
| Kampouridou, Despoina | 16 Mar 2020 | 13:50 | 14:10 | Leaky Wave Analysis of Periodic Corrugated Metallic Plates with Complex Shapes | B2 | CS21 | Challenges in Leaky Wave Antennas and Novel Approaches to Solve Them | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Kampouridou, Despoina | 17 Mar 2020 | 10:40 | 11:00 | Machine Learning-Driven Design Optimization for a Multi-Layer Metasurface Antenna | B10 | CS39 | Machine Learning in Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Kan, Duygu | 17 Mar 2020 | 08:50 | 09:10 | Machine Learning-Based Hybrid Random-Fuzzy Modeling Framework for Antenna Design | B10 | CS39 | Machine Learning in Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Kanatas, Athanasios G. | 19 Mar 2020 | 13:20 | 13:20 | Spherical Harmonic Theory Investigations for Spherical Antenna Arrays | Exhibition Hall | Poster3-A06 | Poster Session 3: Conformal antennas | Antennas |
| Kandasamy, Krishnamoorthy | 16 Mar 2020 | 16:00 | 16:20 | A Copper Strip Array Loaded Multiband Square Slot Antenna | B4 | T07-A17 | Multiband, wideband and array antennas | T07 Defence and security / Regular Session / Antennas |
| Kaneko, Keiko | 18 Mar 2020 | 12:00 | 12:20 | Design and Characterization of 275-500 GHz Corrugated Horns and Optics for a Wideband Radio Astronomy Receiver | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Kang, Le | 19 Mar 2020 | 13:20 | 13:20 | A Beam Steerable Resonant Cavity Antenna Based on Tunable Partially Reflective Surface | Exhibition Hall | Poster3-A13 | Poster Session 3: Adaptive and reconfigurable antennas | Antennas |
| Kang, Moon Soo | 17 Mar 2020 | 13:20 | 13:20 | Effect of a Clutter Behind Building on a Building Entry Loss (BEL) over a nLoS Path | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Kanno, Atsushi | 18 Mar 2020 | 13:20 | 13:20 | High-gain and Low-profile Dielectric Cuboid Antenna at J-band | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Kantova, Michaela | 18 Mar 2020 | 09:30 | 09:50 | Advanced Temperature Dielectric Spectroscopy of Muscle Phantom at Microwave Frequencies | B6 | SW03 | COST Session CA17115 (MyWAVE): Supporting Medical Device Development via Dielectric and Thermal Tissue Characterization | T05 Biomedical and health / Convened Session / Measurements |
| Kapitanova, Polina | 17 Mar 2020 | 17:20 | 17:40 | Water-assisted Metasurface for Wireless Power Transfer | B4 | CS67 | Water-Based Microwave Devices | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Kaplan, Jean | 18 Mar 2020 | 11:00 | 11:20 | The Optical Combiner of QUBIC: The Q & U Bolometric Interferometer for Cosmology | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Karabaş, Uygur | 18 Mar 2020 | 13:20 | 13:20 | On the Use of Adjoint Methods for Refractivity Estimation in the Troposphere | Exhibition Hall | Poster2-P13 | Poster Session 2: Radio science and remote sensing | Propagation |
| Karadima, Olympia | 20 Mar 2020 | 09:50 | 10:10 | Image Improvement Through Metamaterial Technology for Brain Stroke Detection | B6 | SW06 | H2020 Session ID764479 (EMERALD): Electromagnetic Imaging for a Novel Generation of Medical Devices | T05 Biomedical and health / Convened Session / Electromagnetics |
| Karampatea, Apostolia | 18 Mar 2020 | 13:20 | 13:20 | Multiband Patch Antenna Design for RF Energy Harvesting Applications Using Coyote Optimization Algorithm | A2 (Poster Area) | Convened Poster 2-CS61 | Signal Processing Techniques for Advanced Electromagnetics Synthesis, Analysis, and Measurements | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Karatsu, Kenichi | 16 Mar 2020 | 13:50 | 14:10 | Experimental Validation of the Beam Pattern of a Wide Band Quasi-Optical Super for DESHIMA Spectrometer | B8 | T09-A09 | Millimetre wave lens antennas for space applications | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Karatsu, Kenichi | 18 Mar 2020 | 13:20 | 13:20 | Wideband Superconducting Integrated Filter-bank for THz Astronomy | Exhibition Hall | Poster2-P13 | Poster Session 2: Radio science and remote sensing | Propagation |
| Kardaras, Konstantinos | 17 Mar 2020 | 13:20 | 13:20 | Design of Millimeter Wave True-Time-Delay Beam-formers for 5G Wireless Systems | A2 (Poster Area) | Convened Poster 1-CS10 | Antenna Array and Integrated Systems for 5G Communication Applications | T02 Millimetre wave 5G / Convened Session / Antennas |

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|------------------------|-------------|-------|-------|--|------------------|------------------------|---|--|
| Kari, Nadia | 18 Mar 2020 | 13:20 | 13:20 | Circularly Polarized Electrically Small Antenna Using Chiral Metamaterials and Based on Characteristic Modes Theory | Exhibition Hall | Poster2-A08 | Poster Session 2: Electrically small antennas | Antennas |
| Karlsson, Anders | 17 Mar 2020 | 11:40 | 12:00 | A False-Resonance-Free Integral Equation Formulation for the Electromagnetic Transmission Problem | B11 | T10-E03/1 | Computational and numerical techniques 1 | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Karlsson, Hanna | 17 Mar 2020 | 13:20 | 13:20 | Microstrip to Ridge Gap Waveguide Transition for 28 GHz Steerable Slot Array Antennas | A2 (Poster Area) | Convened Poster 1-CS18 | Applications of mm-Wave Gap Waveguide Technology-I | T02 Millimetre wave 5G / Convened Session / Antennas |
| Karlsson, Roger | 19 Mar 2020 | 13:20 | 13:20 | Design of Constant Width Branch Line Directional Coupler for the Microwave Sensing Application | Exhibition Hall | Poster3-M11 | Poster Session 3: Other measurement topics | Measurements |
| Kasahara, Yoshiaki | 16 Mar 2020 | 17:00 | 17:20 | Spatial and Spatio-Temporal Modulations for Advanced Wave Control with Metasurfaces | B10 | CS24 | Controlling EM Waves with Low- and High-Dimensional Metamaterials | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Kaslis, Kyriakos | 16 Mar 2020 | 17:20 | 17:40 | MetOp-SG Scatterometer Antenna Testing - Golden Standard Measurement 2019 | B7 | T06-M03 | Near-field, far-field, compact and RCS range measurement techniques | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Measurements |
| Kasper, Manuel | 18 Mar 2020 | 09:10 | 09:30 | Fast Measurements of Dielectric Properties with Small Size Microwave Transceiver | B6 | SW03 | COST Session CA17115 (MyWAVE): Supporting Medical Device Development via Dielectric and Thermal Tissue Characterization | T05 Biomedical and health / Convened Session / Measurements |
| Kasper, Manuel | 20 Mar 2020 | 10:40 | 11:00 | Investigation of S-parameter Calibration Effects on Image Reconstruction in Microwave Imaging Systems | B6 | SW06 | H2020 Session ID764479 (EMERALD): Electromagnetic Imaging for a Novel Generation of Medical Devices | T05 Biomedical and health / Convened Session / Electromagnetics |
| Kassi, Redha | 16 Mar 2020 | 13:50 | 14:10 | Emulation of End-To-End Communications Systems in Railway Scenarios: Physical Layer Results | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Kassouras, Vasilis | 17 Mar 2020 | 13:20 | 13:20 | Design of Millimeter Wave True-Time-Delay Beam-formers for 5G Wireless Systems | A2 (Poster Area) | Convened Poster 1-CS10 | Antenna Array and Integrated Systems for 5G Communication Applications | T02 Millimetre wave 5G / Convened Session / Antennas |
| Katare, Kranti Kumar | 18 Mar 2020 | 13:20 | 13:20 | Model Simplification and Validation of Virtual Prototypes for Vehicular Antenna Design | Exhibition Hall | Poster2-E03 | Poster Session 2: Computational and numerical techniques | Electromagnetics |
| Kataria, Cara Yang | 20 Mar 2020 | 09:50 | 10:10 | Signal-to-Noise Ratio Considerations for Secure Antenna Polarization Modulation | A2 | T01-A22 | MIMO, diversity, smart antennas & signal processing | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Katsinos, Konstantinos | 18 Mar 2020 | 13:20 | 13:20 | Volume Integral Equation Formulation for Electromagnetic Scattering by Highly Inhomogeneous Anisotropic Cylinders | Exhibition Hall | Poster2-E02 | Poster Session 2: EM theory and analytical techniques | Electromagnetics |
| Kaufmann, Thomas | 16 Mar 2020 | 14:10 | 14:30 | Adaptive GNSS Antenna Matching for Low-Cost Applications | B5 | T08-A17 | Antennas and techniques for positioning and direction finding | T08 Positioning, localization & tracking / Regular Session / Antennas |
| Kaverine, Evgueni | 18 Mar 2020 | 11:00 | 11:20 | OTA Testing of Antennas & Devices Using Plane Wave Generator or Synthesizer | A3 | CS06 | AMTA/IRACON Session: Over-The-Air Testing of 5G Radios | T02 Millimetre wave 5G / Convened Session / Measurements |
| Kazemi, Hamidreza | 19 Mar 2020 | 16:40 | 17:00 | Review of Recent Advances in the Leaky-Wave Analysis of 2-D Leaky-Wave Antennas | B2 | T02-A10 | Leaky-wave and Traveling-wave Antennas | T02 Millimetre wave 5G / Regular Session / Antennas |
| Kedze, Kam | 18 Mar 2020 | 13:20 | 13:20 | Compact Circularly Polarized E-Shaped Crossed-Dipole Antenna | Exhibition Hall | Poster2-A08 | Poster Session 2: Electrically small antennas | Antennas |
| Keivaan, Ali | 19 Mar 2020 | 13:20 | 13:20 | Wideband Vertically Polarized Dual-Beam Antenna Using Modulated Metasurfaces | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Kelly, Daniel | 18 Mar 2020 | 11:40 | 12:00 | Microwave Calcaneus Phantom for Bone Imaging Applications | B6 | SW03 | COST Session CA17115 (MyWAVE): Supporting Medical Device Development via Dielectric and Thermal Tissue Characterization | T05 Biomedical and health / Convened Session / Measurements |
| Kelmendi, Arsim | 17 Mar 2020 | 10:40 | 11:00 | Statistical Analysis of Satellite Communication Experimental Time Diversity in Slovenia | B8 | T09-P08 | Satellite propagation | T09 Space (incl. cubesat) / Regular Session / Propagation |
| Kerin, Michael | 17 Mar 2020 | 11:00 | 11:20 | Pilot Patient Study with the Wavelia Microwave Breast Imaging System for Breast Cancer Detection: Clinical Feasibility and Identified Technical Challenges | B6 | CS60 | Sensors and Systems for Microwave Biomedical Imaging and Sensing | T05 Biomedical and health / Convened Session / Antennas |
| Kerrmann, Marion | 18 Mar 2020 | 11:40 | 12:00 | Aircraft Measurements of the Marine Surface Layer Refractive Index During the TAPS Campaign | B10 | T11-P04 | Experimental methods and campaigns | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Kersten, Tobias | 19 Mar 2020 | 13:20 | 13:20 | Robot-based Calibration of Multi-GNSS Receiver Antennas Using Real Satellite Signals | Exhibition Hall | Poster3-M10 | Poster Session 3: General antenna measurements | Measurements |
| Keskin, Musa Furkan | 19 Mar 2020 | 11:20 | 11:40 | Stepped-Carrier OFDM V2V Resource Allocation for Sensing and Communication Convergence | B5 | CS25 | Convergence of Mobile Radio and Radar | T08 Positioning, localization & tracking / Convened Session / Propagation |
| Keusgen, Wilhelm | 17 Mar 2020 | 11:20 | 11:40 | Measurement and Characterization of an Indoor Industrial Environment at 3.7 and 28 GHz | A3 | CS35 | IET/IRACON Session: Propagation Measurements and Modelling for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Kexel, Christian | 17 Mar 2020 | 08:50 | 09:10 | Breast Cancer Imaging Using a 24 GHz Ultra-Wideband MIMO FMCW Radar: System Considerations and First Imaging Results | B6 | CS60 | Sensors and Systems for Microwave Biomedical Imaging and Sensing | T05 Biomedical and health / Convened Session / Antennas |
| Kezuka, Atsushi | 18 Mar 2020 | 13:20 | 13:20 | Proposal on Hybrid Propagation Analysis of Aperture Field Integration Method and Ray Tracing Method Suitable for Airport Surface in VHF Band | Exhibition Hall | Poster2-E02 | Poster Session 2: EM theory and analytical techniques | Electromagnetics |
| Khaleghi, Ali | 16 Mar 2020 | 13:30 | 13:50 | Low-Profile and High-Gain Linear Polarized Loop Antenna | B6 | T05-A12/1 | Wearable and implantable antennas | T05 Biomedical and health / Regular Session / Antennas |
| Khaleghi, Ali | 18 Mar 2020 | 13:20 | 13:20 | Wireless Link for Micro-scale Biomedical Implants Using Magnetolectric Antennas | Exhibition Hall | Poster2-A02 | Poster Session 2: Antenna interactions and coupling | Antennas |

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|----------------------------|-------------|-------|-------|---|------------------|------------------------|---|--|
| Khalily, Mohsen | 16 Mar 2020 | 16:00 | 16:20 | Integrated Design of Dual-Band Antenna with Uni-/Omni-Directional Radiations | B2 | T04-A08 | IoT antennas | T04 IoT and M2M / Regular Session / Antennas |
| Khalily, Mohsen | 18 Mar 2020 | 13:20 | 13:20 | Trapped Microstrip-Ridge Gap Waveguide for Standalone Millimeter Wave Structures | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Khalily, Mohsen | 18 Mar 2020 | 13:20 | 13:20 | Channel Measurement and Analysis for Polarimetric Wideband Outdoor Scenarios at 26 GHz: Directional Vs Omni-Directional | Exhibition Hall | Poster2-P05 | Poster Session 2: Mm-wave and UWB propagation | Propagation |
| Khalily, Mohsen | 19 Mar 2020 | 12:00 | 12:20 | Holographic-Based mmW-Wideband Bidirectional Frequency Scanning Leaky Wave Antenna | B2 | CS46 | New Trends in Leaky Wave Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Khalily, Mohsen | 20 Mar 2020 | 10:40 | 11:00 | Study on the Location of mmWave Antenna for the Autonomous Car's Detection and Ranging Sensors | B4 | T11-E06 | Scattering and diffraction | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Khamas, Salam | 18 Mar 2020 | 13:20 | 13:20 | Design of Efficient Photomixer-based Terahertz Dielectric Resonator Antenna | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Khan, Ahsan Noor | 18 Mar 2020 | 09:30 | 09:50 | An Ultrawideband Conformal Antenna for Implantable Drug Delivery Device | B2 | CS62 | Small Antenna in a Human Body Environment | T04 IoT and M2M / Convened Session / Antennas |
| Khan, Ahsan Noor | 18 Mar 2020 | 13:20 | 13:20 | An Ultra-thin Wide-Angle Scanned Planar Array Antenna for Satellite Communication | A2 (Poster Area) | Convened Poster 2-CS41 | Metasurfaces for Mobile (5G and Beyond) and Satellite Communication Systems | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Khan, Muhammad Saad | 19 Mar 2020 | 10:40 | 11:00 | EM-Thermal Co-Simulation of Microwave Ablation Applicator in Liver Tissue Phantom with Bowtie-Slot Surface Antenna | B7 | T11-P10 | Propagation in biological tissues | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Khan, Muhammad Umar | 16 Mar 2020 | 16:20 | 16:40 | A Wide-band Slot-based Frequency Agile Yagi-Like MIMO Antenna System | B6 | T05-A12/1 | Wearable and implantable antennas | T05 Biomedical and health / Regular Session / Antennas |
| Khan, Zahangir | 16 Mar 2020 | 17:20 | 17:40 | Protective Coating Methods for Glove-Integrated RFID Tags - A Preliminary Study | B6 | T05-A12/1 | Wearable and implantable antennas | T05 Biomedical and health / Regular Session / Antennas |
| Khanal, Prabhat | 19 Mar 2020 | 13:20 | 13:20 | Concept of Beam Steerable Transponder Based on Load Modulation | Exhibition Hall | Poster3-A15 | Poster Session 3: RFID antennas/sensors and systems | Antennas |
| Khanal, Prabhat | 20 Mar 2020 | 11:20 | 11:40 | Edge Truncation Effects in a Wide-Scan Phased Array of Connected Bowtie Antenna Elements | B7 | T06-A11 | Aircraft antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Kharbech, Sofiane | 16 Mar 2020 | 13:50 | 14:10 | Emulation of End-To-End Communications Systems in Railway Scenarios: Physical Layer Results | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Kharche, Shilpa | 19 Mar 2020 | 10:40 | 11:00 | Isolation Enhancement of Closely Spaced MIMO System Using Inverted Fork Shaped Decoupling Structure | A2 | T01-A02 | Terminal antennas and interactions with surroundings | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Khatibi Moghaddam, Maliheh | 16 Mar 2020 | 13:30 | 13:50 | A Subwavelength Microwave Bandpass Filter Based on a Chiral Waveguide | B10 | CS24 | Controlling EM Waves with Low- and High-Dimensional Metamaterials | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Kholodnyak, Dmitry | 18 Mar 2020 | 13:20 | 13:20 | A Novel Design Methodology for Non-Foster Elements with Application in Broadband Self-oscillating Antennas | Exhibition Hall | Poster2-A08 | Poster Session 2: Electrically small antennas | Antennas |
| Kienberger, Ferry | 18 Mar 2020 | 09:10 | 09:30 | Fast Measurements of Dielectric Properties with Small Size Microwave Transceiver | B6 | SW03 | COST Session CA17115 (MyWAVE): Supporting Medical Device Development via Dielectric and Thermal Tissue Characterization | T05 Biomedical and health / Convened Session / Measurements |
| Kienberger, Ferry | 20 Mar 2020 | 10:40 | 11:00 | Investigation of S-parameter Calibration Effects on Image Reconstruction in Microwave Imaging Systems | B6 | SW06 | H2020 Session ID764479 (EMERALD): Electromagnetic Imaging for a Novel Generation of Medical Devices | T05 Biomedical and health / Convened Session / Electromagnetics |
| Kihogo, Peter Mgya | 17 Mar 2020 | 13:20 | 13:20 | Theory, Design and Validation of a Tunable, Injection-Matched, 2-Port Antenna | A2 (Poster Area) | Convened Poster 1-CS17 | Antennas with Multi-Port/Distributed Feeding and On-Antenna Power-Combining for Efficient Integration and Reconfigurability | T02 Millimetre wave 5G / Convened Session / Antennas |
| Kihogo, Peter Mgya | 17 Mar 2020 | 13:20 | 13:20 | Circuit-antenna Interactions in Multi-port Active Antennas | A2 (Poster Area) | Convened Poster 1-CS17 | Antennas with Multi-Port/Distributed Feeding and On-Antenna Power-Combining for Efficient Integration and Reconfigurability | T02 Millimetre wave 5G / Convened Session / Antennas |
| Kikkawa, Takamaro | 19 Mar 2020 | 13:20 | 13:20 | Single-Chip Impulse-Radar Integrated Circuits for Microwave-Imaging | Exhibition Hall | Poster3-A16 | Poster Session 3: UWB antennas and time-domain techniques | Antennas |
| Kilic, Emre | 19 Mar 2020 | 17:00 | 17:20 | A Coarse-fine Mesh Approach for Improved Solution of 3-D Inverse Problems in Unbounded Media | B9 | T10-E05/2 | Imaging and inverse scattering | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Kim, Hongjoon | 20 Mar 2020 | 09:30 | 09:50 | Negative Reflection and Refraction and Filter Characteristics in the Leaky Wave-supportable Gratings - TE Polarization Case | B4 | T11-E06 | Scattering and diffraction | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Kim, Ilgyu | 16 Mar 2020 | 16:00 | 16:20 | Architecture and Performance of the Base Station Prototype for MN Systems | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Kim, Jeong-Wook | 19 Mar 2020 | 13:20 | 13:20 | A Gain-Enhanced Vivaldi Array Antenna with Corrugated Slots on Both Edges for Microwave Power Transmission | Exhibition Hall | Poster3-A20 | Poster Session 3: Antennas for wireless power transmission and harvesting | Antennas |
| Kim, Jeong-Wook | 19 Mar 2020 | 13:20 | 13:20 | CPW-Fed U-shaped Transparent Antenna for 5G Vehicle Sensor Application | Exhibition Hall | Poster3-A23 | Poster Session 3: Other antenna topics | Antennas |
| Kim, Jeong-Wook | 19 Mar 2020 | 13:20 | 13:20 | A Reverse Engineering Based on Insertion Loss for Estimating Sheet Resistance of Transparent Antenna | Exhibition Hall | Poster3-A23 | Poster Session 3: Other antenna topics | Antennas |
| Kim, Junhyeong | 16 Mar 2020 | 14:50 | 15:10 | Millimeter-Wave Channel Characterization for Vehicle-to-Infrastructure Communication | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |

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|------------------------|-------------|-------|-------|--|------------------|------------------------|--|--|
| Kim, Junhyeong | 16 Mar 2020 | 16:00 | 16:20 | Architecture and Performance of the Base Station Prototype for MN Systems | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Kim, Kwang-Seok | 19 Mar 2020 | 13:20 | 13:20 | A Gain-Enhanced Vivaldi Array Antenna with Corrugated Slots on Both Edges for Microwave Power Transmission | Exhibition Hall | Poster3-A20 | Poster Session 3: Antennas for wireless power transmission and harvesting | Antennas |
| Kim, Kwang-Seok | 19 Mar 2020 | 13:20 | 13:20 | CPW-Fed U-shaped Transparent Antenna for 5G Vehicle Sensor Application | Exhibition Hall | Poster3-A23 | Poster Session 3: Other antenna topics | Antennas |
| Kim, Kwang-Seok | 19 Mar 2020 | 13:20 | 13:20 | A Reverse Engineering Based on Insertion Loss for Estimating Sheet Resistance of Transparent Antenna | Exhibition Hall | Poster3-A23 | Poster Session 3: Other antenna topics | Antennas |
| Kim, Kyung-Won | 16 Mar 2020 | 14:30 | 14:50 | 28-GHz High-Speed Train Measurements and Propagation Characteristics Analysis | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Kim, Kyung-Won | 17 Mar 2020 | 09:10 | 09:30 | Multipath Characteristics of Outdoor-To-Indoor Propagation Based on 32-GHz Measurements | A3 | CS35 | IET/IRACON Session: Propagation Measurements and Modelling for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Kim, Minseok | 19 Mar 2020 | 09:10 | 09:30 | Reconfigurable Leaky-wave Antennas with Independent Control of the Leakage Constant and Radiation Angle | B2 | CS46 | New Trends in Leaky Wave Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Kim, Minseok | 20 Mar 2020 | 11:20 | 11:40 | Millimeter-Wave Indoor Channel Measurement and Intra-Cluster Modelling | B11 | CS20 | Assessment and Modeling of Antennas and Radio Channels Jointly | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Kim, Myung-Don | 16 Mar 2020 | 14:30 | 14:50 | 28-GHz High-Speed Train Measurements and Propagation Characteristics Analysis | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Kim, Myung-Don | 16 Mar 2020 | 17:20 | 17:40 | Shadowing and Multipath-fading Statistics at 2.4 GHz and 39 GHz in Vehicle-to-Vehicle Scenarios | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Kim, Myung-Don | 17 Mar 2020 | 09:10 | 09:30 | Multipath Characteristics of Outdoor-To-Indoor Propagation Based on 32-GHz Measurements | A3 | CS35 | IET/IRACON Session: Propagation Measurements and Modelling for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Kim, Seon-Ae | 16 Mar 2020 | 16:00 | 16:20 | Architecture and Performance of the Base Station Prototype for MN Systems | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Kim, Seoungjung | 17 Mar 2020 | 13:20 | 13:20 | Design of TCDA Avoiding Half-wavelength Limitation Using PC | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Kim, Seung-Han | 16 Mar 2020 | 15:10 | 15:30 | Frequency Reconfigurable Multi-Band Antenna Using 1-D EBG Structures with BST Chip Capacitors | B6 | T05-A12/1 | Wearable and implantable antennas | T05 Biomedical and health / Regular Session / Antennas |
| Kim, Sol | 19 Mar 2020 | 13:20 | 13:20 | A Gain-Enhanced Vivaldi Array Antenna with Corrugated Slots on Both Edges for Microwave Power Transmission | Exhibition Hall | Poster3-A20 | Poster Session 3: Antennas for wireless power transmission and harvesting | Antennas |
| Kim, Sol | 19 Mar 2020 | 13:20 | 13:20 | CPW-Fed U-shaped Transparent Antenna for 5G Vehicle Sensor Application | Exhibition Hall | Poster3-A23 | Poster Session 3: Other antenna topics | Antennas |
| Kim, Sol | 19 Mar 2020 | 13:20 | 13:20 | A Reverse Engineering Based on Insertion Loss for Estimating Sheet Resistance of Transparent Antenna | Exhibition Hall | Poster3-A23 | Poster Session 3: Other antenna topics | Antennas |
| Kim, Youngwook | 18 Mar 2020 | 13:20 | 13:20 | Compact Circularly Polarized E-Shaped Crossed-Dipole Antenna | Exhibition Hall | Poster2-A08 | Poster Session 2: Electrically small antennas | Antennas |
| Kim, Youngwook | 18 Mar 2020 | 13:20 | 13:20 | Human Motion Detection Using Planar Array FMCW Radar Through 3D Point Clouds | Exhibition Hall | Poster2-P12 | Poster Session 2: Radar, localisation, and sensing | Propagation |
| Kimura, Sho | 19 Mar 2020 | 11:20 | 11:40 | A Study on Vegetation Loss Model with Seasonal Characteristics | B1 | T01-P02 | Propagation modelling and simulation | T01 LTE and Sub-6GHz 5G / Regular Session / Propagation |
| Kirilenko, Anatoliy | 18 Mar 2020 | 13:20 | 13:20 | Rotation of the Polarization Plane by Grooved Flanges in a Circular Waveguide | Exhibition Hall | Poster2-E06 | Poster Session 2: Scattering and diffraction | Electromagnetics |
| Kishimoto, Satoru | 20 Mar 2020 | 11:20 | 11:40 | Millimeter-Wave Indoor Channel Measurement and Intra-Cluster Modelling | B11 | CS20 | Assessment and Modeling of Antennas and Radio Channels Jointly | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Kishk, Ahmed | 16 Mar 2020 | 14:50 | 15:10 | Circularly Polarized Antenna Array Based on Microstrip Ridge Gap Waveguide at 60 GHz | A2 | CS02 | Advanced Antenna Arrays for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Antennas |
| Kishk, Ahmed | 18 Mar 2020 | 13:20 | 13:20 | Optimal Beamforming Using Clustered Evolutionary Teaching and Learning | Exhibition Hall | Poster2-E04 | Poster Session 2: Optimisation methods in EM | Electromagnetics |
| Kjelgård, Kristian G | 17 Mar 2020 | 13:20 | 13:20 | Complex Dielectric Constant of Wet Snow Using Bi-Static Synthetic Aperture Radar | A2 (Poster Area) | Convened Poster 1-CS08 | Analysis, Design and Use of Microwave Techniques, Models, Systems, and Antennas for Snowpack Avalanches Monitoring | T08 Positioning, localization & tracking / Convened Session / Propagation |
| Klaina, Hicham | 20 Mar 2020 | 08:30 | 08:50 | Deterministic Radio Channel Characterization for Near-Ground Wireless Sensor Networks Deployment Optimization in Smart Agriculture | B9 | T10-P02 | Propagation modelling and simulation | T10 EM modelling and simulation tools / Regular Session / Propagation |
| Klein, Siegfried | 19 Mar 2020 | 12:00 | 12:20 | Analytic Propagation Approximation over Variable Terrain and Comparison to Data | B1 | T01-P02 | Propagation modelling and simulation | T01 LTE and Sub-6GHz 5G / Regular Session / Propagation |
| Kleine-Ostmann, Thomas | 17 Mar 2020 | 13:20 | 13:20 | An Improved Forecast Method for the Interaction of Wind Turbines with Doppler VOR | A2 (Poster Area) | Convened Poster 1-CS57 | Recent Research on Wind Turbines: EM Modelling and Measurements | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Kleine-Ostmann, Thomas | 18 Mar 2020 | 12:00 | 12:20 | Advanced Remote-Controlled Airborne Sensor Systems | B11 | T06-M10 | UAV-Based Antenna Measurements (AMTA) | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Measurements |
| Klenk, Patrick T.P. | 17 Mar 2020 | 13:20 | 13:20 | Contingency Mitigation Aspects for Reflector Based Satellite SAR Systems | Exhibition Hall | Poster1-A18 | Poster Session 1: Reflector, feed systems, and components | Antennas |
| Klinkenbusch, Ludger | 17 Mar 2020 | 17:40 | 18:00 | 3D Diffraction of a Complex Source Beam by a PEC Wedge | B9 | CS32 | High-Frequency Methods and Applications | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |

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|-------------------------|-------------|-------|-------|---|------------------|------------------------|---|--|
| Klionovski, Kirill | 16 Mar 2020 | 17:20 | 17:40 | 3D Antenna-on-Package for Near-Isotropic Radiation Shielded from Embedded Electronics | B2 | T04-A08 | IoT antennas | T04 IoT and M2M / Regular Session / Antennas |
| Klodzh, Edmund | 19 Mar 2020 | 11:40 | 12:00 | Channel Modeling for Wireless Sensor Networks Deployment in the Smart City | B1 | T01-P02 | Propagation modelling and simulation | T01 LTE and Sub-6GHz 5G / Regular Session / Propagation |
| Knapp, Josef | 19 Mar 2020 | 11:00 | 11:20 | Suppressing Undesired Echoes by Sparsity Based Time Gating of Reconstructed Sources | B10 | CS07 | AMTA/EurAAP Session: Post Processing Techniques in Antenna Measurements | T11 Fundamental research and emerging technologies / Convened Session / Measurements |
| Knapp, Josef | 19 Mar 2020 | 17:00 | 17:20 | Improved-Reliability Phase-Retrieval with Broadband Antenna Measurements | B10 | CS48 | Novel Antenna Measurement Data Analysis and Techniques | T11 Fundamental research and emerging technologies / Convened Session / Measurements |
| Knill, Christina | 19 Mar 2020 | 09:10 | 09:30 | IQ-Imbalance Compensation for Wideband OFDM-Radar | B5 | CS25 | Convergence of Mobile Radio and Radar | T08 Positioning, localization & tracking / Convened Session / Propagation |
| Knott, Peter | 18 Mar 2020 | 13:20 | 13:20 | Data Transfer and Communication in Radar Networks | Exhibition Hall | Poster2-P12 | Poster Session 2: Radar, localisation, and sensing | Propagation |
| Knudde, Nicolas | 16 Mar 2020 | 15:10 | 15:30 | Bayesian Active Learning for Electromagnetic Structure Design | B9 | CS64 | Trends and Advances in Machine Learning for Applied Electromagnetics | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Knudsen, Ole | 17 Mar 2020 | 13:20 | 13:20 | Electromagnetic Pipeline Coating Communication for IoT Condition Monitoring of Subsea O&G Pipelines | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Ko, Ji-Hwan | 20 Mar 2020 | 09:30 | 09:50 | Negative Reflection and Refraction and Filter Characteristics in the Leaky Wave-supportable Gratings - TE Polarization Case | B4 | T11-E06 | Scattering and diffraction | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Kobayashi, Hirokazu | 17 Mar 2020 | 13:20 | 13:20 | RCS Evaluation by Image-based Near-field to Far-field Transformation | Exhibition Hall | Poster1-M03 | Poster Session 1: Near-field, far-field, compact and RCS range measurement techniques | Measurements |
| Kober, Frank | 17 Mar 2020 | 13:20 | 13:20 | Hybridized Electric Dipoles Applications in Ultra-High Field MRI | A2 (Poster Area) | Convened Poster 1-CS27 | Electromagnetics in MRI Applications | T05 Biomedical and health / Convened Session / Electromagnetics |
| Kochali, Beyhan | 17 Mar 2020 | 11:00 | 11:20 | Near-to-Near- And Near-to-Far-Field Transformation for Millimeter-Wave Frequencies | B4 | T10-M10 | General Antenna Measurements | T10 EM modelling and simulation tools / Regular Session / Measurements |
| Kodera, Toshiro | 18 Mar 2020 | 11:20 | 11:40 | 'Perfect' Faraday-Rotation Metasurface | B5 | CS47 | Non-Magnetic Nonreciprocity | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Kofman, Wlodek | 19 Mar 2020 | 09:30 | 09:50 | Towards Asteroid Tomography: Modellings and Measurements Using an Analogue Model | B9 | T10-E05/1 | Electromagnetic Methods for Direct and Inverse Scattering Involving Stratified Media | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Koivumäki, Pasi | 17 Mar 2020 | 17:20 | 17:40 | Real-Time Demonstration of Antenna Effects on Emulated Wireless Capsule Endoscope Links | B6 | SW01 | COST Session CA15104 (IRACON): Measurements and Simulations in Channel Modelling in Wireless Body Area Networks | T05 Biomedical and health / Convened Session / Propagation |
| Kok, Fatma Nese | 20 Mar 2020 | 11:20 | 11:40 | Broadband Microwave Dielectric Property Comparison of Human Fetal Osteoblastic (hFOB) and Osteosarcoma (SaOS-2) Cell Lines | B5 | T11-M01 | Material characterisation and non-destructive testing | T11 Fundamental research and emerging technologies / Regular Session / Measurements |
| Kok, Petra | 17 Mar 2020 | 08:30 | 08:50 | Loco-regional Hyperthermia Delivery: Patient-specific Set-Up Procedures for Treatment Optimisation | B7 | SW02 | COST Session CA17115 (MyWAVE): Developments in Electromagnetic-Based Medical Technologies | T05 Biomedical and Health / Convened Session / Electromagnetics |
| Kok, Petra | 17 Mar 2020 | 08:50 | 09:10 | Hyperthermia Treatment Planning: Clinical Application and Ongoing Research | B7 | SW02 | COST Session CA17115 (MyWAVE): Developments in Electromagnetic-Based Medical Technologies | T05 Biomedical and Health / Convened Session / Electromagnetics |
| Kokabi, Hamid | 18 Mar 2020 | 13:20 | 13:20 | Compact Honey-Cell CSRR-based Microwave Biosensor for Monitoring Glucose Levels | Exhibition Hall | Poster2-P10 | Poster Session 2: Propagation in biological tissues and body-area propagation | Propagation |
| Kokabi, Hamid | 19 Mar 2020 | 12:00 | 12:20 | Multiple-Pole CSRR-based Microwave Sensor for Glucose Levels Detection | B6 | T05-A12/2 | Point of Care Microwave Sensors | T05 Biomedical and health / Regular Session / Antennas |
| Kokar, Yvan | 19 Mar 2020 | 13:20 | 13:20 | Reconfigurable SRR Antenna | Exhibition Hall | Poster3-A13 | Poster Session 3: Adaptive and reconfigurable antennas | Antennas |
| Koli, Mst Nishat Yasmin | 18 Mar 2020 | 11:20 | 11:40 | A Low-Profile and Efficient Front-End Antenna for Point-to-Point Wireless Communication Links | A2 | T09-A19 | Reflect arrays and transmit arrays | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Kolitsidas, Christos | 17 Mar 2020 | 13:20 | 13:20 | Design of Millimeter Wave True-Time-Delay Beam-formers for 5G Wireless Systems | A2 (Poster Area) | Convened Poster 1-CS10 | Antenna Array and Integrated Systems for 5G Communication Applications | T02 Millimetre wave 5G / Convened Session / Antennas |
| Kolitsidas, Christos | 17 Mar 2020 | 13:20 | 13:20 | A Simplified Extended SIW Supporting TE ₀₁ Integrated with a Feeding Structure | A2 (Poster Area) | Convened Poster 1-CS10 | Antenna Array and Integrated Systems for 5G Communication Applications | T02 Millimetre wave 5G / Convened Session / Antennas |
| Kolitsidas, Christos | 17 Mar 2020 | 17:20 | 17:40 | Phased Array at Mm-Waves Based on Filter-Integrated Antenna Elements | A3 | CS56 | Recent Advances on Electronically Steerable Antenna Arrays at mm-Wave Frequencies | T02 Millimetre wave 5G / Convened Session / Antennas |
| Kolobov, Artem | 19 Mar 2020 | 17:20 | 17:40 | Wideband Dual-polarized Antenna for Wi-Fi Communication Networks | B1 | T03-A11 | Antennas for WLAN Applications | T03 Wireless LANs / Regular Session / Antennas |
| Kolundzija, Branko | 17 Mar 2020 | 11:00 | 11:20 | 3D EM Simulation Environment for Development, Testing, and Functioning of Internet of Things | B2 | CS16 | Antennas in IoT Wireless Devices: Modelling and Industrial Considerations | T04 IoT and M2M / Convened Session / Antennas |
| Kolundzija, Branko | 18 Mar 2020 | 10:40 | 11:00 | Influence of p-Refinement on Accuracy of Mode Tracking Based on Correlation of Characteristic Currents | B1 | CS45 | New Perspectives and Applications of Characteristic Mode Analysis in Antenna Design | T11 Fundamental research and emerging technologies / Convened Session / Antennas |

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| Kolundzija, Branko | 20 Mar 2020 | 09:10 | 09:30 | Homogenization of Voxel Models Using Material Mixing Formulas | B6 | SW06 | H2020 Session ID764479 (EMERALD): Electromagnetic Imaging for a Novel Generation of Medical Devices | T05 Biomedical and health / Convened Session / Electromagnetics |
| Komissarova, Elena | 19 Mar 2020 | 16:40 | 17:00 | Circular-Polarized Antennas Far-Field Enhancement Using Round Reflectors with Curved Sidewall | B4 | CS63 | State of the Art in Antenna Research in Russia | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Kong, Fanwei | 19 Mar 2020 | 13:20 | 13:20 | 1-Bit Digital Coding Metasurfaces for Efficient Generation of Convergent Multi-Mode OAM Beams | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Kong, Hongwei | 18 Mar 2020 | 08:50 | 09:10 | Mid-field OTA RF Test Method: New Developments and Performance Comparison with the Compact Antenna Test Range (CATR) | A3 | CS06 | AMTA/IRACON Session: Over-The-Air Testing of 5G Radios | T02 Millimetre wave 5G / Convened Session / Measurements |
| Kong, Hongwei | 19 Mar 2020 | 13:20 | 13:20 | Recent Developments in Radiated Two-Stage MIMO OTA Test Method | Exhibition Hall | Poster3-M09 | Poster Session 3: MIMO and OTA testing | Measurements |
| Kontu, Anna | 17 Mar 2020 | 13:20 | 13:20 | Monitoring of Snow Cover Properties Using Active and Passive Microwave Sensors in Boreal Forests: Implications of Variable Canopy Transmissivity | A2 (Poster Area) | Convened Poster 1-CS08 | Analysis, Design and Use of Microwave Techniques, Models, Systems, and Antennas for Snowpack Avalanches Monitoring | T08 Positioning, localization & tracking / Convened Session / Propagation |
| Kooi, Jacob | 18 Mar 2020 | 09:10 | 09:30 | Antennas, Arrays, and Systems for Submillimeter-Wave Radio Astronomy | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Kopacz, Thomas | 17 Mar 2020 | 13:20 | 13:20 | Interpretation of the Physical Layer Measurements of Smartphones as Measures of Exposure to Electromagnetic Fields | Exhibition Hall | Poster1-M04 | Poster Session 1: Data acquisition, imaging algorithms and processing methods | Measurements |
| Kornprobst, Jonas | 18 Mar 2020 | 10:40 | 11:00 | Versatile Low-Cost and Light-Weight RF Equipment for Field Measurements | B11 | T06-M10 | UAV-Based Antenna Measurements (AMTA) | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Measurements |
| Kornprobst, Jonas | 19 Mar 2020 | 11:00 | 11:20 | Suppressing Undesired Echoes by Sparsity Based Time Gating of Reconstructed Sources | B10 | CS07 | AMTA/EurAAP Session: Post Processing Techniques in Antenna Measurements | T11 Fundamental research and emerging technologies / Convened Session / Measurements |
| Kornprobst, Jonas | 19 Mar 2020 | 17:00 | 17:20 | Improved-Reliability Phase-Retrieval with Broadband Antenna Measurements | B10 | CS48 | Novel Antenna Measurement Data Analysis and Techniques | T11 Fundamental research and emerging technologies / Convened Session / Measurements |
| Kosha, Jamal | 17 Mar 2020 | 11:20 | 11:40 | A Compact Frequency Reconfigurable DRA for GSM, LTE, and 5G Applications Services | B10 | CS39 | Machine Learning in Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Kosha, Jamal | 19 Mar 2020 | 13:20 | 13:20 | A Differential-Fed Dual-Polarized High-Gain Filtering Antenna Based on SIW Technology for 5G Applications | Exhibition Hall | Poster3-A23 | Poster Session 3: Other antenna topics | Antennas |
| Kosmas, Panagiotis | 18 Mar 2020 | 08:30 | 08:50 | Limited-view Prototype Design for Radar-based Fruit Imaging | B9 | CS66 | Unconventional Techniques and Applications for Inverse Scattering Problems | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Kosmas, Panagiotis | 18 Mar 2020 | 13:20 | 13:20 | Tools for the Efficient Implementation of the DBIM Algorithm in Microwave Imaging Experiments | A2 (Poster Area) | Convened Poster 2-CS61 | Signal Processing Techniques for Advanced Electromagnetics Synthesis, Analysis, and Measurements | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Kosmas, Panagiotis | 20 Mar 2020 | 09:50 | 10:10 | Image Improvement Through Metamaterial Technology for Brain Stroke Detection | B6 | SW06 | H2020 Session ID764479 (EMERALD): Electromagnetic Imaging for a Novel Generation of Medical Devices | T05 Biomedical and health / Convened Session / Electromagnetics |
| Kosogor, Alexey | 19 Mar 2020 | 17:00 | 17:20 | A 220-300 GHz Offset Dual-Reflector Antenna for Point-to-Point Radio | B4 | CS63 | State of the Art in Antenna Research in Russia | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Kostikov, Grigory | 19 Mar 2020 | 17:20 | 17:40 | Design of Wideband Reflectarray Antennas | B4 | CS63 | State of the Art in Antenna Research in Russia | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Kot, John | 16 Mar 2020 | 13:50 | 14:10 | Axially-Corrugated X-Band Horn Design with Integrated TE21 Monopulse Tracking in Corrugation | B5 | T08-A17 | Antennas and techniques for positioning and direction finding | T08 Positioning, localization & tracking / Regular Session / Antennas |
| Kotiranta, Mikko | 18 Mar 2020 | 11:20 | 11:40 | Optics for the Submillimeter Wave Instrument on Jupiter Mission JUICE | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Kotsopoulos, Stavros | 18 Mar 2020 | 13:20 | 13:20 | Propagation Analysis for an Implanted Antenna Model at Pancreas | Exhibition Hall | Poster2-P10 | Poster Session 2: Propagation in biological tissues and body-area propagation | Propagation |
| Kotzé, Jacobus M | 17 Mar 2020 | 13:20 | 13:20 | Improving Modal Purity in Quadraxially Fed Quadruple-Ridged Flared Horn Antennas | Exhibition Hall | Poster1-A18 | Poster Session 1: Reflector, feed systems, and components | Antennas |
| Koucheryavy, Yevgeni | 18 Mar 2020 | 13:20 | 13:20 | Measurements of Reflection and Penetration Losses in Low Terahertz Band Vehicular Communications | Exhibition Hall | Poster2-P09 | Poster Session 2: Propagation for vehicular communications | Propagation |
| Koucheryavy, Yevgeni | 19 Mar 2020 | 17:40 | 18:00 | Millimeter-Wave Automotive Radar Scheme with Passive Reflector for Blind Corner Conditions | B7 | T06-P12 | Radar, localisation and sensing for aircraft and automotive applications | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Propagation |
| Kouki, Mokhtar | 19 Mar 2020 | 09:10 | 09:30 | Clustering of Dielectric and Colour Profiles of an Ex-vivo Burnt Human Skin Sample | B6 | T05-A12/2 | Point of Care Microwave Sensors | T05 Biomedical and health / Regular Session / Antennas |
| Koulouridis, Stavros | 17 Mar 2020 | 11:00 | 11:20 | Wearable 5-Gigahertz Wi-Fi Antenna Design Using Whale Optimization Algorithm | B10 | CS39 | Machine Learning in Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Koulouridis, Stavros | 18 Mar 2020 | 10:40 | 11:00 | Small Implanted Antennas for Wireless Communication and Energy Harvesting | B2 | CS62 | Small Antenna in a Human Body Environment | T04 IoT and M2M / Convened Session / Antennas |
| Koulouridis, Stavros | 18 Mar 2020 | 13:20 | 13:20 | Impact of Parameters Variability on the Performances of an Implanted Antenna for Biomedical Applications | Exhibition Hall | Poster2-E03 | Poster Session 2: Computational and numerical techniques | Electromagnetics |
| Koulouridis, Stavros | 18 Mar 2020 | 13:20 | 13:20 | Propagation Analysis for an Implanted Antenna Model at Pancreas | Exhibition Hall | Poster2-P10 | Poster Session 2: Propagation in biological tissues and body-area propagation | Propagation |

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| Kourogorgas, Charilaos | 17 Mar 2020 | 11:00 | 11:20 | Cloud Free LOS Probability Estimation for MEO Optical Satellite Systems and Optical Satellite Network Dimensioning | B8 | T09-P08 | Satellite propagation | T09 Space (incl. cubesat) / Regular Session / Propagation |
| Koutinos, Anastasios G. | 17 Mar 2020 | 13:20 | 13:20 | Design of Millimeter Wave True-Time-Delay Beam-formers for 5G Wireless Systems | A2 (Poster Area) | Convened Poster 1-CS10 | Antenna Array and Integrated Systems for 5G Communication Applications | T02 Millimetre wave 5G / Convened Session / Antennas |
| Kovaleva, Maria | 17 Mar 2020 | 17:00 | 17:20 | Analysis of the Loading Effect of Faulty LNAs on Embedded Element Patterns in the Murchison Widefield Array | B8 | CS15 | Antennas for Radio Astronomy | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Kowalewski, Jerzy | 16 Mar 2020 | 16:00 | 16:20 | Dual-Polarized Dielectric Resonator Antenna Array for 5G Mobile Radio Base Stations | A2 | T02-A04/1 | Millimetre wave arrays for mobile communications | T02 Millimetre wave 5G / Regular Session / Antennas |
| Kowalewski, Jerzy | 18 Mar 2020 | 09:10 | 09:30 | A Capacitively Coupled Patch Antenna Array for an Enlarged Bandwidth at 77 GHz | B7 | T06-A17 | Automotive antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Kowalewski, Jerzy | 18 Mar 2020 | 13:20 | 13:20 | Broadband Dual-Polarized Stacked Microstrip Antenna with Pin-And Edge-Feed for 5G Applications in Ka-Band | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Kozick, Richard J. | 16 Mar 2020 | 13:30 | 13:50 | Two-Element Biomimetic Antenna Array Design for Power Extraction / Phase Amplification Tradeoff | B5 | T08-A17 | Antennas and techniques for positioning and direction finding | T08 Positioning, localization & tracking / Regular Session / Antennas |
| Koziel, Slawomir | 16 Mar 2020 | 17:00 | 17:20 | High-Performance Wideband Horn Antenna for Direction Finding Arrays | B4 | T07-A17 | Multiband, wideband and array antennas | T07 Defence and security / Regular Session / Antennas |
| Koziel, Slawomir | 18 Mar 2020 | 13:20 | 13:20 | Fast Globalized Gradient-Based Optimization of Multi-Band Antennas by Means Smart Jacobian Updates and Response Features | Exhibition Hall | Poster2-E04 | Poster Session 2: Optimisation methods in EM | Electromagnetics |
| Koziel, Slawomir | 18 Mar 2020 | 13:20 | 13:20 | Low-Cost Design-Oriented Surrogate Modeling of Multi-Band Antennas by Nested Kriging and Response Features | Exhibition Hall | Poster2-E04 | Poster Session 2: Optimisation methods in EM | Electromagnetics |
| Kracek, Jan | 17 Mar 2020 | 13:20 | 13:20 | Optimization of Excitation and Geometry of Linear Dipole Array Above PEC Ground Plane for Directivity Maximization | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Kranold, Lena | 17 Mar 2020 | 08:30 | 08:50 | Microwave Radar Breast Screening: System Interaction with the Post-Biopsy Clip | B6 | CS60 | Sensors and Systems for Microwave Biomedical Imaging and Sensing | T05 Biomedical and health / Convened Session / Antennas |
| Krause, Christopher | 19 Mar 2020 | 13:20 | 13:20 | Temperature Characterization of High-Q Resonators of Different Materials for mm-Wave Indoor Localization Tag Landmarks | Exhibition Hall | Poster3-A21 | Poster Session 3: Additive manufacturing | Antennas |
| Kremring, Alexander | 18 Mar 2020 | 13:20 | 13:20 | Mechanical and Environmental Aspects of Antennas for a Novel Maritime Search and Rescue System | A2 (Poster Area) | Convened Poster 2-CS14 | Antennas for Harsh Environment | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Krenkevich, Jordan | 19 Mar 2020 | 11:20 | 11:40 | An Open-Access Experimental Dataset for Breast Microwave Imaging | B7 | T11-P10 | Propagation in biological tissues | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Krishnaswamy, Harish | 18 Mar 2020 | 09:10 | 09:30 | Low Loss, CMOS Integrated, Magnetic-Free Non-Reciprocal Components Operating from Radio Frequencies to Millimeter-Waves | B5 | CS47 | Non-Magnetic Nonreciprocity | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Kristensson, Gerhard | 19 Mar 2020 | 10:40 | 11:00 | Multiple Scattering by a Collection of Randomly Located Obstacles Distributed in a Dielectric Slab | B11 | T11-E01 | EM Theory | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Kristoffersen, Stein | 16 Mar 2020 | 14:50 | 15:10 | 3D Printed Broadband Double-Ridged Waveguide to Coax Transition | B4 | T07-A | Antenna theory and system design | T07 Defence and security / Regular Session / Antennas |
| Kritharidis, Dimitrios S. | 17 Mar 2020 | 13:20 | 13:20 | Design of Millimeter Wave True-Time-Delay Beam-formers for 5G Wireless Systems | A2 (Poster Area) | Convened Poster 1-CS10 | Antenna Array and Integrated Systems for 5G Communication Applications | T02 Millimetre wave 5G / Convened Session / Antennas |
| Kröger, Johannes | 19 Mar 2020 | 13:20 | 13:20 | Robot-based Calibration of Multi-GNSS Receiver Antennas Using Real Satellite Signals | Exhibition Hall | Poster3-M10 | Poster Session 3: General antenna measurements | Measurements |
| Krois, Igor | 16 Mar 2020 | 16:20 | 16:40 | Stable Positive/negative Capacitor for Use in Active Artificial Structures | B10 | CS24 | Controlling EM Waves with Low- and High-Dimensional Metamaterials | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Krouka, Wafa | 19 Mar 2020 | 13:20 | 13:20 | Comparison of Antenna Radiation Efficiency Measurement Techniques in Reverberation Chamber Using or Not a Reference Antenna | Exhibition Hall | Poster3-M10 | Poster Session 3: General antenna measurements | Measurements |
| Krozer, Viktor | 17 Mar 2020 | 08:50 | 09:10 | Breast Cancer Imaging Using a 24 GHz Ultra-Wideband MIMO FMCW Radar: System Considerations and First Imaging Results | B6 | CS60 | Sensors and Systems for Microwave Biomedical Imaging and Sensing | T05 Biomedical and health / Convened Session / Antennas |
| Krozer, Viktor | 17 Mar 2020 | 13:20 | 13:20 | A Numerical Study on Tomographic Imaging Using Guided Electromagnetic Waves | Exhibition Hall | Poster1-M01 | Poster Session 1: Material characterisation and non-destructive testing | Measurements |
| Krozer, Viktor | 18 Mar 2020 | 13:20 | 13:20 | Experimental Results on Rain Detection at Ka-Band Based on Range-Doppler Signal Processing | Exhibition Hall | Poster2-P12 | Poster Session 2: Radar, localisation, and sensing | Propagation |
| Krraoui, Houssemeddine | 16 Mar 2020 | 17:40 | 18:00 | High Speed Metasurface Reconfigurability Under Optical Control | B10 | CS24 | Controlling EM Waves with Low- and High-Dimensional Metamaterials | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Kuang, Ling | 17 Mar 2020 | 13:20 | 13:20 | An Iterative Minimization Algorithm for Array Diagnosis in the Presence of Array Errors Using Amplitude-only Far Field Data | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Kuhl, Ulrich | 18 Mar 2020 | 13:20 | 13:20 | Intensity-only Imaging Using Broadband Correlations in Reverberation Chambers | Exhibition Hall | Poster2-P12 | Poster Session 2: Radar, localisation, and sensing | Propagation |
| Kuhl, Ulrich | 20 Mar 2020 | 08:30 | 08:50 | Diffuse Field Cross-Correlation in a Reverberation Chamber Stirred with Reconfigurable Reflectarray Metasurfaces | B5 | T11-M05 | EMI/EMC/PIM chambers, instrumentation, and measurements | T11 Fundamental research and emerging technologies / Regular Session / Measurements |

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| Kuhn, Sven | 17 Mar 2020 | 11:00 | 11:20 | Near-to-Near- And Near-to-Far-Field Transformation for Millimeter-Wave Frequencies | B4 | T10-M10 | General Antenna Measurements | T10 EM modelling and simulation tools / Regular Session / Measurements |
| Kuji, Yoshinori | 19 Mar 2020 | 13:20 | 13:20 | Transmit and Receive Module with a Fully-Digital Interface | Exhibition Hall | Poster3-A14 | Poster Session 3: Active and integrated antennas | Antennas |
| Kulas, Lukasz | 16 Mar 2020 | 17:20 | 17:40 | RSS-Based DoA Estimation Using ESPAR Antenna for V2X Applications in 802.11P Frequency Band | B5 | T08-A17 | Antennas and techniques for positioning and direction finding | T08 Positioning, localization & tracking / Regular Session / Antennas |
| Kulas, Lukasz | 19 Mar 2020 | 13:20 | 13:20 | Miniaturization of ESPAR Antenna Using Low-Cost 3D Printing Process | Exhibition Hall | Poster3-A13 | Poster Session 3: Adaptive and reconfigurable antennas | Antennas |
| Kulesa, Andrew | 18 Mar 2020 | 11:40 | 12:00 | Aircraft Measurements of the Marine Surface Layer Refractive Index During the TAPS Campaign | B10 | T11-P04 | Experimental methods and campaigns | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Kulesa, Andrew | 18 Mar 2020 | 12:00 | 12:20 | Observations and Modelling of Propagation Loss in the Turbulent Sea Surface Environment | B10 | T11-P04 | Experimental methods and campaigns | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Kuloglu, Mustafa | 19 Mar 2020 | 13:20 | 13:20 | A 2-18 GHz Semi-Omnidirectional Antenna | Exhibition Hall | Poster3-A16 | Poster Session 3: UWB antennas and time-domain techniques | Antennas |
| Kumar, Sanjeev | 19 Mar 2020 | 13:20 | 13:20 | A 915 MHz Wristwatch-Integrated Antenna for Wireless Health Monitoring | Exhibition Hall | Poster3-A12 | Poster Session 3: Wearable and implantable antennas | Antennas |
| Kumari, Preeti | 19 Mar 2020 | 09:30 | 09:50 | A MIMO Joint Communication-Radar Measurement Platform at the Millimeter-Wave Band | B5 | CS25 | Convergence of Mobile Radio and Radar | T08 Positioning, localization & tracking / Convened Session / Propagation |
| Kumpuniemi, Timo | 18 Mar 2020 | 13:20 | 13:20 | A Preliminary Analysis of User's Body Impact on Signal Polarization in WBANs | Exhibition Hall | Poster2-P10 | Poster Session 2: Propagation in biological tissues and body-area propagation | Propagation |
| Kupresak, Mario | 19 Mar 2020 | 17:40 | 18:00 | Modal Analysis of Deep Nanoscale Plasmonic Structures: Nonlocal Hydrodynamic Approach | A2 | CS42 | Nano and Quantum Antennas | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Kurdjumov, Sergei | 17 Mar 2020 | 08:30 | 08:50 | Metasurface for Dense Dipole Array Decoupling in Ultra-High Field MRI | B9 | CS09 | Analytical and Numerical Methods for Metasurface Analysis and Design | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Kürner, Thomas | 16 Mar 2020 | 16:40 | 17:00 | Comparison of a Fast Analytical Ray Tracer and Channel-Sounder Measurements for V2V Communications | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Kürner, Thomas | 16 Mar 2020 | 17:00 | 17:20 | Path Loss Models and Large Scale Fading Statistics for C-Band Train-to-Train Communication | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Kürner, Thomas | 17 Mar 2020 | 17:20 | 17:40 | A Ray Optical Diffraction Model for Car Chassis in V2X Communication | B7 | CS03 | Advanced Radar Measurements, Modelling and System Solutions for Vehicular Applications | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Convened Session / Measurements |
| Kürner, Thomas | 18 Mar 2020 | 13:20 | 13:20 | Measurements of Reflection and Penetration Losses in Low Terahertz Band Vehicular Communications | Exhibition Hall | Poster2-P09 | Poster Session 2: Propagation for vehicular communications | Propagation |
| Kürner, Thomas | 19 Mar 2020 | 11:00 | 11:20 | Generation of Realistic Railway Based Mobility Scenarios | B1 | T01-P02 | Propagation modelling and simulation | T01 LTE and Sub-6GHz 5G / Regular Session / Propagation |
| Kuroda, Satoshi | 18 Mar 2020 | 13:20 | 13:20 | Proposal on Hybrid Propagation Analysis of Aperture Field Integration Method and Ray Tracing Method Suitable for Airport Surface in VHF Band | Exhibition Hall | Poster2-E02 | Poster Session 2: EM theory and analytical techniques | Electromagnetics |
| Kurokawa, Satoru | 16 Mar 2020 | 16:40 | 17:00 | A New Method to Measure the Absolute Gain Patterns of a Log-Periodic Antenna at a Reduced Distance Without Considering the Phase Center in a Single-Cut Near-Field Far-Field Transformation | B7 | T06-M03 | Near-field, far-field, compact and RCS range measurement techniques | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Measurements |
| Kurokawa, Satoru | 19 Mar 2020 | 09:10 | 09:30 | Single-Cut Near-Field Far-Field Transformation and Implicit Plane-Wave Synthesis for RCS Prediction Including Multiple Scattering Effects | B10 | CS07 | AMTA/EurAAP Session: Post Processing Techniques in Antenna Measurements | T11 Fundamental research and emerging technologies / Convened Session / Measurements |
| Kurvinen, Joni | 17 Mar 2020 | 08:50 | 09:10 | Dual-Band Dual-Polarized mm-Wave Slot Antenna Array for Mobile Handsets | A2 | T02-A04/2 | Millimetre wave arrays for mobile terminals | T02 Millimetre wave 5G / Regular Session / Antennas |
| Kuster, Niels | 17 Mar 2020 | 11:00 | 11:20 | Near-to-Near- And Near-to-Far-Field Transformation for Millimeter-Wave Frequencies | B4 | T10-M10 | General Antenna Measurements | T10 EM modelling and simulation tools / Regular Session / Measurements |
| Kuster, Niels | 20 Mar 2020 | 09:10 | 09:30 | Maximum Exposure Assessment of millimeter-Wave Array Antennas | B2 | T05-M06 | Dosimetry, exposure, and SAR assessment | T05 Biomedical and health / Regular Session / Measurements |
| Kuwahara, Yoshihiko | 16 Mar 2020 | 17:20 | 17:40 | Effectiveness of Folded Quasi Self-Complementary Antenna to Microwave Imaging | B8 | T05-E05 | Microwave imaging | T05 Biomedical and health / Regular Session / Electromagnetics |
| Kuznetsov, Maksim | 19 Mar 2020 | 10:40 | 11:00 | 2-D Planar Leaky-wave Antenna with Fixed Frequency Beam Steering Through Broadside | B2 | CS46 | New Trends in Leaky Wave Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Kuznetsov, Sergei A. | 19 Mar 2020 | 13:20 | 13:20 | THz Power Divider Based on Self-Complementary Metasurface | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Kuznetsov, Sergei A. | 19 Mar 2020 | 13:20 | 13:20 | Labyrinth Absorber Based on Metageometries Metasurface for Fungi Detection | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Kuznetsov, Sergei A. | 19 Mar 2020 | 13:20 | 13:20 | Ultrathin Zigzag Half-Wave Plate Metasurface with Near-Unity Axial Ratio and High Transmission Efficiency in Terahertz Range | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Kwan, Christopher H | 16 Mar 2020 | 17:40 | 18:00 | 100 W 6.78 MHz Inductive Power Transfer System for Drones | B9 | CS43 | Near- and Far-Field Wireless Power Transfer | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Kyösti, Pekka | 18 Mar 2020 | 09:10 | 09:30 | On Noise and Interference Modeling for Over-the-air Testing of MIMO Terminals | A3 | CS06 | AMTA/IRACON Session: Over-The-Air Testing of 5G Radios | T02 Millimetre wave 5G / Convened Session / Measurements |
| Kyösti, Pekka | 19 Mar 2020 | 11:00 | 11:20 | Fading Channel Emulation for Massive MIMO Testing Using a Conductive Phase Matrix Setup | A3 | CS34 | IET/AMTA Session: Test and Measurement Challenges for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Measurements |

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| Kyriacou, George A. | 17 Mar 2020 | 13:20 | 13:20 | Design of Millimeter Wave True-Time-Delay Beam-formers for 5G Wireless Systems | A2 (Poster Area) | Convened Poster 1-CS10 | Antenna Array and Integrated Systems for 5G Communication Applications | T02 Millimetre wave 5G / Convened Session / Antennas |
| La Spada, Luigi | 19 Mar 2020 | 11:20 | 11:40 | Metasurface Sensors for Healthcare Applications | B6 | T05-A12/2 CS33 | Point of Care Microwave Sensors | T05 Biomedical and health / Regular Session / Antennas |
| | 20 Mar 2020 | 10:40 | 11:00 | Metamaterials for Electromagnetic and Thermal Waves | B1 | | IET Session: New Antenna Systems Involving Application of Metamaterials and Metasurfaces | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Laabs, Martin | 20 Mar 2020 | 11:40 | 12:00 | Analysis of Substrate Parameters' Variations in a PCB-based 60 GHz GCPW Marchand Balun Design | B2 | T02-M08 | Mm-wave, THz, and quasi-optical antenna measurements | T02 Millimetre wave 5G / Regular Session / Measurements |
| Lababidi, Raafat | 17 Mar 2020 | 13:20 | 13:20 | 4-40 GHz In-Phase/180° Out-of-Phase Power Dividers with Enhanced Isolation | Exhibition Hall | Poster1-A18 | Poster Session 1: Reflector, feed systems, and components | Antennas |
| Labate, Giuseppe | 17 Mar 2020 | 17:20 | 17:40 | Reconfigurable Metasurface Antenna for 5G Base Stations | B5 | CS28 | EuMA/EurAAP Session: From Radiating Section to Digital Interface - Research and Design Trends for an End-To-End Approach of Highly Integrated Active Antenna Systems | T02 Millimetre wave 5G / Convened Session / Antennas |
| Labate, Giuseppe | 19 Mar 2020 | 11:40 | 12:00 | Re-moving the Scattered Energy from Dielectric Objects in Spatial and Frequency Domain for Cloaking Techniques | B11 | T11-E01 | EM Theory | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Labate, Maria Grazia | 18 Mar 2020 | 13:20 | 13:20 | Preliminary Analysis of the Effects of the Ground Plane on the Element Patterns of SKA1-Low | Exhibition Hall | Poster2-A02 | Poster Session 2: Antenna interactions and coupling | Antennas |
| Lacoste, Celia | 19 Mar 2020 | 11:20 | 11:40 | Metasurface Sensors for Healthcare Applications | B6 | T05-A12/2 CS33 | Point of Care Microwave Sensors | T05 Biomedical and health / Regular Session / Antennas |
| | 20 Mar 2020 | 10:40 | 11:00 | Metamaterials for Electromagnetic and Thermal Waves | B1 | | IET Session: New Antenna Systems Involving Application of Metamaterials and Metasurfaces | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Laetitia, Niyonzima | 18 Mar 2020 | 13:20 | 13:20 | Multi-ring Circular Parasitic Antenna with Circularly Polarized Conical Beam and High Gain | Exhibition Hall | Poster2-A02 | Poster Session 2: Antenna interactions and coupling | Antennas |
| Laffont, Adrien | 18 Mar 2020 | 13:20 | 13:20 | Design of a Tunable Subwavelength Plasma-Based Resonator for Electrically Small Antenna Applications in L-band | A2 (Poster Area) | Convened Poster 2-CS29 | Exotic Antennas from Nano to Macro Scales | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Lager, Ioan E. | 18 Mar 2020 | 12:00 | 12:20 | Wide-Angular Scanning Performance Enhancement in Linear Arrays via Combining Integrated In-line Subarrays and Amplitude Tapering | B7 | T06-A17 | Automotive antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Lager, Ioan E. | 19 Mar 2020 | 13:20 | 13:20 | Pulsed 2D ElectroMagnetic Field Propagation in a Rectangular Waveguide | Exhibition Hall | Poster3-A16 | Poster Session 3: UWB antennas and time-domain techniques | Antennas |
| Laheurte, Jean-Marc | 18 Mar 2020 | 13:20 | 13:20 | Statistical Comparison of Coupling Effects Between Thin and Thick Dipoles in Random Sets | Exhibition Hall | Poster2-A02 | Poster Session 2: Antenna interactions and coupling | Antennas |
| Laheurte, Jean-Marc | 18 Mar 2020 | 13:20 | 13:20 | Circularly Polarized Electrically Small Antenna Using Chiral Metamaterials and Based on Characteristic Modes Theory | Exhibition Hall | Poster2-A08 | Poster Session 2: Electrically small antennas | Antennas |
| Lähivaara, Timo | 18 Mar 2020 | 09:50 | 10:10 | Microwave Tomography for Estimating Moisture Content Distribution in Porous Foam Using Neural Networks | B10 | T11-P02/2 | Machine Learning in Radio Propagation | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Lahuerta-Lavieja, Adrián | 19 Mar 2020 | 09:30 | 09:50 | On a Fresnel-Integrals-Based Back-Scattering Model at Millimeter-Waves | B1 | T02-P02 | Millimetre wave propagation modelling | T02 Millimetre wave 5G / Regular Session / Propagation |
| Lakkireddy, Dhanunjaya | 17 Mar 2020 | 11:00 | 11:20 | Characterization of Esophageal Temperature Profiles During Cardiac Radiofrequency Ablation | B7 | SW02 | COST Session CA17115 (MyWAVE): Developments in Electromagnetic-Based Medical Technologies | T05 Biomedical and Health / Convened Session / Electromagnetics |
| Laly, Pierre | 18 Mar 2020 | 13:20 | 13:20 | Estimation of the Number of Persons in a Reverberant Environment Using Bistatic Radar | Exhibition Hall | Poster2-P12 | Poster Session 2: Radar, localisation, and sensing | Propagation |
| Laly, Pierre | 20 Mar 2020 | 11:40 | 12:00 | Massive Radio Channel Sounder Architecture for 5G Mobility Scenarios: MaMIMOSA | B11 | CS20 | Assessment and Modeling of Antennas and Radio Channels Jointly | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Lampel, Franz | 19 Mar 2020 | 10:40 | 11:00 | System Level Synchronization of Phase-Coded FMCW Automotive Radars for RadCom | B5 | CS25 | Convergence of Mobile Radio and Radar | T08 Positioning, localization & tracking / Convened Session / Propagation |
| Lan, Lingxin | 16 Mar 2020 | 17:40 | 18:00 | 100 W 6.78 MHz Inductive Power Transfer System for Drones | B9 | CS43 | Near- and Far-Field Wireless Power Transfer | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Lan, Shengchang | 18 Mar 2020 | 13:20 | 13:20 | Temporal-Range-Doppler Features Interpretation and Recognition of Hand Gestures Using mmW FMCW Radar Sensors | Exhibition Hall | Poster2-P12 | Poster Session 2: Radar, localisation, and sensing | Propagation |
| Lande, Tor Sverre | 17 Mar 2020 | 13:20 | 13:20 | Complex Dielectric Constant of Wet Snow Using Bi-Static Synthetic Aperture Radar | A2 (Poster Area) | Convened Poster 1-CS08 | Analysis, Design and Use of Microwave Techniques, Models, Systems, and Antennas for Snowpack Avalanches Monitoring | T08 Positioning, localization & tracking / Convened Session / Propagation |
| Landesa, Luis | 19 Mar 2020 | 09:50 | 10:10 | Toward Extremely Scalable IE-DDM for Distributed Computing | B8 | CS30 | Fundamental Challenges and Novel Methodologies in the Next-Generation Computational Electromagnetics | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Landmann, Markus | 18 Mar 2020 | 11:40 | 12:00 | 3D Calibration of an Over-the-Air Testbed for GNSS CRPA Antenna Testing | A3 | CS06 | AMTA/IRACON Session: Over-The-Air Testing of 5G Radios | T02 Millimetre wave 5G / Convened Session / Measurements |
| Landmann, Markus | 18 Mar 2020 | 13:20 | 13:20 | Multi-band Characterization of Propagation in Industry Scenarios | Exhibition Hall | Poster2-P05 | Poster Session 2: Mm-wave and UWB propagation | Propagation |

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|---------------------|-------------|-------|-------|---|------------------|------------------------|--|--|
| Landmann, Markus | 20 Mar 2020 | 08:50 | 09:10 | Characterization of the Propagation Channel in Conference Room Scenario at 190 GHz | A3 | CS37 | IRACON Spectrum Sharing: Challenges and Opportunities for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Lappalainen, Joni | 17 Mar 2020 | 10:40 | 11:00 | Requirements for Accurate Design of Matching Circuits at 5 GHz | B2 | CS16 | Antennas in IoT Wireless Devices: Modelling and Industrial Considerations | T04 IoT and M2M / Convened Session / Antennas |
| Laquerbe, Vincent | 19 Mar 2020 | 13:20 | 13:20 | Simple and Robust Probes for Near-Field Antenna Measurements at Low UHF Bands | Exhibition Hall | Poster3-M07 | Poster Session 3: Satellite and aerospace antenna characterisation | Measurements |
| Larios, David | 19 Mar 2020 | 09:50 | 10:10 | Toward Extremely Scalable IE-DDM for Distributed Computing | B8 | CS30 | Fundamental Challenges and Novel Methodologies in the Next-Generation Computational Electromagnetics | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Larsson, Christina | 18 Mar 2020 | 13:20 | 13:20 | Availability of 7 Km-Long Parallel 18 GHz Band and E-band Links for Multi Band Solutions | Exhibition Hall | Poster2-P05 | Poster Session 2: Mm-wave and UWB propagation | Propagation |
| Las-Heras, Fernando | 16 Mar 2020 | 14:30 | 14:50 | 3-D Printed High-Efficiency Wideband 2X2 and 4X4 Double-Ridged Waveguide Antenna Arrays for Ku-Band Satcom-On-The-Move Applications | A2 | CS02 | Advanced Antenna Arrays for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Antennas |
| Las-Heras, Fernando | 16 Mar 2020 | 14:30 | 14:50 | Near-Field Multi-Focused Arrays Using Support Vector Regression | B9 | CS64 | Trends and Advances in Machine Learning for Applied Electromagnetics | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Las-Heras, Fernando | 16 Mar 2020 | 16:20 | 16:40 | On the Way to Green IoT Antennas: Compact Ultra-Thin CPW-Fed Monopole on Tencel | B2 | T04-A08 | IoT antennas | T04 IoT and M2M / Regular Session / Antennas |
| Las-Heras, Fernando | 18 Mar 2020 | 13:20 | 13:20 | Evolution of the Image Quality over Time for a Freehand Monostatic mm-Wave Radar Imager | Exhibition Hall | Poster2-P12 | Poster Session 2: Radar, localisation, and sensing | Propagation |
| Las-Heras, Fernando | 19 Mar 2020 | 11:20 | 11:40 | Portable, Freehand System for Antenna Diagnosis Using Amplitude-Only Data | B10 | CS07 | AMTA/EurAAP Session: Post Processing Techniques in Antenna Measurements | T11 Fundamental research and emerging technologies / Convened Session / Measurements |
| Las-Heras, Fernando | 19 Mar 2020 | 14:50 | 15:30 | Antenna Measurements and Signal Processing Techniques | A2 | IS-Thu 1/1 | Invited Speaker Session | Measurements |
| Las-Heras, Fernando | 19 Mar 2020 | 17:20 | 17:40 | 3D-SAR Processing of UAV-mounted GPR Measurements: Dealing with Non-Uniform Sampling | B7 | T06-P12 | Radar, localisation and sensing for aircraft and automotive applications | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Propagation |
| Lasri, Guy | 18 Mar 2020 | 13:20 | 13:20 | A Very Compact Implantable Antenna for Wireless Biotelemetry Applications in the MedRadio Band | Exhibition Hall | Poster2-A08 | Poster Session 2: Electrically small antennas | Antennas |
| Lau, Buon Kiong | 17 Mar 2020 | 13:20 | 13:20 | Enhanced Low Band MIMO Terminal Antenna Based on Selective Feeding of Chassis Modes | Exhibition Hall | Poster1-A22 | Poster Session 1: MIMO, diversity, smart antennas & signal processing | Antennas |
| Lau, Buon Kiong | 18 Mar 2020 | 13:20 | 13:20 | Model Simplification and Validation of Virtual Prototypes for Vehicular Antenna Design | Exhibition Hall | Poster2-E03 | Poster Session 2: Computational and numerical techniques | Electromagnetics |
| Laudien, Markus | 17 Mar 2020 | 18:00 | 18:20 | Physics Based Target Scenario Simulation Using Asymptotic Solver Techniques for Automotive Applications | B7 | CS03 | Advanced Radar Measurements, Modelling and System Solutions for Vehicular Applications | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Convened Session / Measurements |
| Laughlin, Leo | 20 Mar 2020 | 09:10 | 09:30 | Enabling RF Technologies for Spectrum Sharing | A3 | CS37 | IRACON Spectrum Sharing: Challenges and Opportunities for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Laur, Vincent | 17 Mar 2020 | 17:00 | 17:20 | Frequency Reconfigurable Antenna Loaded with Magneto Dielectric Materials at VHF Band | B1 | CS58 | Reconfigurable Antennas for Compact Devices | T04 IoT and M2M / Convened Session / Antennas |
| Lavagetto, Fabio | 17 Mar 2020 | 10:40 | 11:00 | A Tomographic Multistatic System for Biomedical Microwave Sensing | B6 | CS60 | Sensors and Systems for Microwave Biomedical Imaging and Sensing | T05 Biomedical and health / Convened Session / Antennas |
| Laviada, Jaime | 16 Mar 2020 | 14:30 | 14:50 | 3-D Printed High-Efficiency Wideband 2X2 and 4X4 Double-Ridged Waveguide Antenna Arrays for Ku-Band Satcom-On-The-Move Applications | A2 | CS02 | Advanced Antenna Arrays for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Antennas |
| Laviada, Jaime | 18 Mar 2020 | 13:20 | 13:20 | Evolution of the Image Quality over Time for a Freehand Monostatic mm-Wave Radar Imager | Exhibition Hall | Poster2-P12 | Poster Session 2: Radar, localisation, and sensing | Propagation |
| Laviada, Jaime | 19 Mar 2020 | 11:20 | 11:40 | Portable, Freehand System for Antenna Diagnosis Using Amplitude-Only Data | B10 | CS07 | AMTA/EurAAP Session: Post Processing Techniques in Antenna Measurements | T11 Fundamental research and emerging technologies / Convened Session / Measurements |
| Laviada, Jaime | 19 Mar 2020 | 14:50 | 15:30 | Antenna Measurements and Signal Processing Techniques | A2 | IS-Thu 1/1 | Invited Speaker Session | Measurements |
| Lavigne, Guillaume | 18 Mar 2020 | 11:20 | 11:40 | 'Perfect' Faraday-Rotation Metasurface | B5 | CS47 | Non-Magnetic Nonreciprocity | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Lavrinenko, Andrei | 17 Mar 2020 | 17:00 | 17:20 | Water-Based Microwave Reflectarrays | B4 | CS67 | Water-Based Microwave Devices | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Lavrinenko, Andrei | 18 Mar 2020 | 13:20 | 13:20 | Water-Based Microwave Antennas | A2 (Poster Area) | Convened Poster 2-CS29 | Exotic Antennas from Nano to Macro Scales | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Lazaridis, Pavlos | 17 Mar 2020 | 08:30 | 08:50 | Machine Learning-assisted Antenna Design Optimization: A Review and the State-of-the-art | B10 | CS39 | Machine Learning in Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Le Bihan, Paul | 18 Mar 2020 | 13:20 | 13:20 | Three-Dimensional Frequency Selective Surface for Single-Polarized Filtering Applications with Angular Stability | Exhibition Hall | Poster2-E07 | Poster Session 2: Frequency and polarization selective surfaces | Electromagnetics |
| Le Fur, Gwenn | 19 Mar 2020 | 13:20 | 13:20 | Simple and Robust Probes for Near-Field Antenna Measurements at Low UHF Bands | Exhibition Hall | Poster3-M07 | Poster Session 3: Satellite and aerospace antenna characterisation | Measurements |
| Le Goff, Denis | 19 Mar 2020 | 13:20 | 13:20 | Conformal 2.4 GHz Antenna with Room Temperature Vulcanized (RTV) Silicone Rubber Substrate | Exhibition Hall | Poster3-A06 | Poster Session 3: Conformal antennas | Antennas |
| Le Jeune, Denis | 17 Mar 2020 | 13:20 | 13:20 | 4-40 GHz In-Phase/180° Out-of-Phase Power Dividers with Enhanced Isolation | Exhibition Hall | Poster1-A18 | Poster Session 1: Reflector, feed systems, and components | Antennas |
| Le Mire, Valentin | 17 Mar 2020 | 11:40 | 12:00 | Potentialities of the Numerical Weather Prediction Model WRF to Produce Attenuation Statistics in Tropical Regions | B8 | T09-P08 | Satellite propagation | T09 Space (incl. cubesat) / Regular Session / Propagation |

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| Le Mire, Valentin | 17 Mar 2020 | 13:20 | 13:20 | Nine Years of Excess Attenuation Statistics of Earth-Space Propagation Experiments at Ka-Band in Toulouse, France | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Le Pera, Alessandro | 19 Mar 2020 | 13:20 | 13:20 | SSEEM - An Innovative Spread Spectrum System for SatCom Antenna Radiation Patterns Measurements | Exhibition Hall | Poster3-M10 | Poster Session 3: General antenna measurements | Measurements |
| Le Roy, Marc | 17 Mar 2020 | 13:20 | 13:20 | 4-40 GHz In-Phase/180° Out-of-Phase Power Dividers with Enhanced Isolation | Exhibition Hall | Poster1-A18 | Poster Session 1: Reflector, feed systems, and components | Antennas |
| Le, Duc Viet | 19 Mar 2020 | 13:20 | 13:20 | Circularly Polarized Corner-Truncated and Slotted Microstrip Patch Antenna on Textile Substrate for Wearable Passive UHF RFID Tags | Exhibition Hall | Poster3-A12 | Poster Session 3: Wearable and implantable antennas | Antennas |
| Lecci, Mattia | 17 Mar 2020 | 17:00 | 17:20 | Machine Learning-aided Design of Thinned Antenna Arrays for Optimized Network Level Performance | B5 | CS28 | EuMA/EurAAP Session: From Radiating Section to Digital Interface - Research and Design Trends for an End-To-End Approach of Highly Integrated Active Antenna Systems | T02 Millimetre wave 5G / Convened Session / Antennas |
| Lee, Bangwon | 18 Mar 2020 | 12:00 | 12:20 | Design and Characterization of 275-500 GHz Corrugated Horns and Optics for a Wideband Radio Astronomy Receiver | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Lee, Changhyeong | 17 Mar 2020 | 08:30 | 08:50 | A Small Metamaterial Dual-Band Dipole Antenna Fed by Small Metamaterial Balanced-Feed | B2 | CS16 | Antennas in IoT Wireless Devices: Modelling and Industrial Considerations | T04 IoT and M2M / Convened Session / Antennas |
| Lee, Changhyeong | 20 Mar 2020 | 08:30 | 08:50 | A Novel Metamaterial Dual-band GPS Antenna Extendable to Space Diversity Applications | B1 | CS33 | IET Session: New Antenna Systems Involving Application of Metamaterials and Metasurfaces | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Lee, Chongmin | 17 Mar 2020 | 13:20 | 13:20 | Phase Distribution Optimization for 1-Bit Transmitarrays with Near-Field Coupling Feeding Technique | A2 (Poster Area) | Convened Poster 1-CS17 | Antennas with Multi-Port/Distributed Feeding and On-Antenna Power-Combining for Efficient Integration and Reconfigurability | T02 Millimetre wave 5G / Convened Session / Antennas |
| Lee, Choonsup | 18 Mar 2020 | 08:30 | 08:50 | Towards a Si/GaAs Based Flat-Panel Quasi-Optical Metasurface Antenna with Switchable Beam Characteristics | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Lee, Jae-Yeong | 16 Mar 2020 | 15:10 | 15:30 | Frequency Reconfigurable Multi-Band Antenna Using 1-D EBG Structures with BST Chip Capacitors | B6 | T05-A12/1 | Wearable and implantable antennas | T05 Biomedical and health / Regular Session / Antennas |
| Lee, Jeong Hae | 17 Mar 2020 | 13:20 | 13:20 | Low-profile TM Incident Retrodirective Metasurface Using AMC Surface | Exhibition Hall | Poster1-A19 | Poster Session 1: Reflect arrays and transmit arrays | Antennas |
| Lee, Jeong Hae | 17 Mar 2020 | 16:40 | 17:00 | Efficient Two-layer Loop Array for Selective Magnetic Resonance Wireless Power Transfer | A2 | T04-A20 | Wireless power transfer and inductive coupling | T04 IoT and M2M / Regular Session / Antennas |
| Lee, Jong-Il | 17 Mar 2020 | 13:20 | 13:20 | Effect of a Clutter Behind Building on a Building Entry Loss (BEL) over a nLoS Path | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Lee, Jung-Won | 18 Mar 2020 | 12:00 | 12:20 | Design and Characterization of 275-500 GHz Corrugated Horns and Optics for a Wideband Radio Astronomy Receiver | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Lee, Juyul | 16 Mar 2020 | 14:30 | 14:50 | 28-GHz High-Speed Train Measurements and Propagation Characteristics Analysis | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Lee, Juyul | 16 Mar 2020 | 17:20 | 17:40 | Shadowing and Multipath-fading Statistics at 2.4 GHz and 39 GHz in Vehicle-to-Vehicle Scenarios | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Lee, Juyul | 17 Mar 2020 | 09:10 | 09:30 | Multipath Characteristics of Outdoor-To-Indoor Propagation Based on 32-GHz Measurements | A3 | CS35 | IET/IRACON Session: Propagation Measurements and Modelling for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Lee, Juyul | 19 Mar 2020 | 09:30 | 09:50 | Performance of 5G Terrestrial Network Deployments for Serving UAV Communications | B7 | T06-P09 | Propagation for Unmanned Aerial Vehicles (UAVs) | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Propagation |
| Lee, Kyung-Bin | 16 Mar 2020 | 15:10 | 15:30 | Frequency Reconfigurable Multi-Band Antenna Using 1-D EBG Structures with BST Chip Capacitors | B6 | T05-A12/1 | Wearable and implantable antennas | T05 Biomedical and health / Regular Session / Antennas |
| Lee, Sun-Gyu | 17 Mar 2020 | 13:20 | 13:20 | Low-profile TM Incident Retrodirective Metasurface Using AMC Surface | Exhibition Hall | Poster1-A19 | Poster Session 1: Reflect arrays and transmit arrays | Antennas |
| Lee, Yu-Ling | 19 Mar 2020 | 13:20 | 13:20 | Low Attenuation Dichroic Sub-Reflector for Wide Incident Angles for Ka/Ku Band Satellite Antenna Systems: An ECA Analysis | Exhibition Hall | Poster3-A11 | Poster Session 3: Multiband and wideband antennas | Antennas |
| Legay, Hervé | 16 Mar 2020 | 15:10 | 15:30 | All-Metal Graded Index Gutman Lens Antenna - A More Compact Luneburg Lens | B8 | T09-A09 | Millimetre wave lens antennas for space applications | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Legay, Hervé | 18 Mar 2020 | 13:20 | 13:20 | Parallel-Plate Waveguide Lens for Mechanical Beam Scanning Using Gap Waveguide Feed System | A2 (Poster Area) | Convened Poster 2-CS36 | Innovative Lens Antennas for Future Communication Systems | T02 Millimetre wave 5G / Convened Session / Antennas |
| Legay, Hervé | 19 Mar 2020 | 13:20 | 13:20 | A Compact and Broadband Four-Way Dual Polarization Waveguide Power Divider for Antenna Arrays | Exhibition Hall | Poster3-A14 | Poster Session 3: Active and integrated antennas | Antennas |
| Legay, Hervé | 20 Mar 2020 | 11:40 | 12:00 | A Design Methodology for Reconfigurable Reflectarrays with a Deformable Ground | B8 | CS59 | Reconfigurable Reflectarray and Transmitarrays | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Legrand, Olivier | 18 Mar 2020 | 13:20 | 13:20 | Intensity-only Imaging Using Broadband Correlations in Reverberation Chambers | Exhibition Hall | Poster2-P12 | Poster Session 2: Radar, localisation, and sensing | Propagation |

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|------------------------|-------------|-------|-------|--|------------------|------------------------|---|--|
| Legrand, Olivier | 20 Mar 2020 | 08:30 | 08:50 | Diffuse Field Cross-Correlation in a Reverberation Chamber Stirred with Reconfigurable Reflectarray Metasurfaces | B5 | T11-M05 | EM/EMC/PIM chambers, instrumentation, and measurements | T11 Fundamental research and emerging technologies / Regular Session / Measurements |
| Lehmensiek, Robert | 17 Mar 2020 | 18:00 | 18:20 | Investigations of Quadruple-Ridge Flared Horn Performance for ngVLA Band 2 | B8 | CS15 | Antennas for Radio Astronomy | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Lehtovuori, Anu | 17 Mar 2020 | 08:50 | 09:10 | Dual-Band Dual-Polarized mm-Wave Slot Antenna Array for Mobile Handsets | A2 | T02-A04/2 | Millimetre wave arrays for mobile terminals | T02 Millimetre wave 5G / Regular Session / Antennas |
| Lehtovuori, Anu | 17 Mar 2020 | 13:20 | 13:20 | Reducing User Effect on Mobile Antenna Systems with Antenna Cluster Technique | A2 (Poster Area) | Convened Poster 1-CS17 | Antennas with Multi-Port/Distributed Feeding and On-Antenna Power-Combining for Efficient Integration and Reconfigurability | T02 Millimetre wave 5G / Convened Session / Antennas |
| Lehtovuori, Anu | 19 Mar 2020 | 12:00 | 12:20 | Comparison of Different Antenna Cluster Weighting Methods | A2 | T01-A02 | Terminal antennas and interactions with surroundings | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Lehtovuori, Anu | 20 Mar 2020 | 08:50 | 09:10 | Characteristic Mode Analysis of Mobile and Wearable Antennas in Lossy Environment | B10 | CS11 | Antenna Design and Fundamental Bounds with External Constraints | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Leifsson, Leifur | 16 Mar 2020 | 17:00 | 17:20 | High-Performance Wideband Horn Antenna for Direction Finding Arrays | B4 | T07-A17 | Multiband, wideband and array antennas | T07 Defence and security / Regular Session / Antennas |
| Leino, Mikko | 19 Mar 2020 | 13:20 | 13:20 | Beam Optimization for 28 GHz Phased Array Utilizing Measurement Data | Exhibition Hall | Poster3-M10 | Poster Session 3: General antenna measurements | Measurements |
| Leinonen, Marko E | 16 Mar 2020 | 16:20 | 16:40 | Dual-band Dual-polarized Antenna for mm-Wave 5G Base Station Antenna Array | A2 | T02-A04/1 | Millimetre wave arrays for mobile communications | T02 Millimetre wave 5G / Regular Session / Antennas |
| Leinonen, Marko E | 17 Mar 2020 | 12:00 | 12:20 | Wideband Dual-Polarized Patch Antenna with Capacitive Coupling for mm-Wave Bands | A2 | T02-A04/2 | Millimetre wave arrays for mobile terminals | T02 Millimetre wave 5G / Regular Session / Antennas |
| Leite, Celso | 16 Mar 2020 | 15:10 | 15:30 | Frequency Reconfigurable Multi-Band Antenna Using 1-D EBG Structures with BST Chip Capacitors | B6 | T05-A12/1 | Wearable and implantable antennas | T05 Biomedical and health / Regular Session / Antennas |
| Leitgeb, Erich | 16 Mar 2020 | 16:40 | 17:00 | Impact of UWB Antennas on Ranging Accuracy | B5 | T08-A17 | Antennas and techniques for positioning and direction finding | T08 Positioning, localization & tracking / Regular Session / Antennas |
| Leitinger, Erik | 20 Mar 2020 | 11:00 | 11:20 | Directionally Resolved UWB Channel Modeling for Environment-Aware Positioning | B11 | CS20 | Assessment and Modeling of Antennas and Radio Channels Jointly | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Leiva, José | 17 Mar 2020 | 11:20 | 11:40 | Embedded Antennas in Cellular IoT Platforms | B2 | CS16 | Antennas in IoT Wireless Devices: Modelling and Industrial Considerations | T04 IoT and M2M / Convened Session / Antennas |
| Lejay, Benoit | 17 Mar 2020 | 08:50 | 09:10 | Front End Radiating Module for Advanced Active Antenna | B5 | CS01 | Active Antennas for Onboard Space Applications | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Lemmetynen, Juha | 17 Mar 2020 | 13:20 | 13:20 | Monitoring of Snow Cover Properties Using Active and Passive Microwave Sensors in Boreal Forests: Implications of Variable Canopy Transmissivity | A2 (Poster Area) | Convened Poster 1-CS08 | Analysis, Design and Use of Microwave Techniques, Models, Systems, and Antennas for Snowpack Avalanches Monitoring | T08 Positioning, localization & tracking / Convened Session / Propagation |
| Lenets, Vladimir | 16 Mar 2020 | 17:20 | 17:40 | Investigation of Surface Waves on Anisotropic Self-Complementary Metasurfaces | B10 | CS24 | Controlling EM Waves with Low- and High-Dimensional Metamaterials | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Lenets, Vladimir | 19 Mar 2020 | 13:20 | 13:20 | THz Power Divider Based on Self-Complementary Metasurface | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Lenets, Vladimir | 19 Mar 2020 | 13:20 | 13:20 | Preliminary Investigation of B-dot Wire Concept | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Leng, Ting | 19 Mar 2020 | 13:20 | 13:20 | Graphene Printed Flexible and Conformal Array Antenna on Paper Substrate for 5.8GHz Wireless Communications | Exhibition Hall | Poster3-A12 | Poster Session 3: Wearable and implantable antennas | Antennas |
| León, Germán | 17 Mar 2020 | 13:20 | 13:20 | Ray-Tracing Analysis of the near and Far Fields of Focusing Geodesic Lens Antennas | Exhibition Hall | Poster1-A09 | Poster Session 1: Lens antennas | Antennas |
| León, Germán | 17 Mar 2020 | 13:20 | 13:20 | Dual-Polarized Dual-Frequency Ka-band Transmitarray Lens | Exhibition Hall | Poster1-A19 | Poster Session 1: Reflect arrays and transmit arrays | Antennas |
| Leone, Giovanni | 19 Mar 2020 | 13:20 | 13:20 | Element Positioning Effect on the Performance of Conformal Arrays: Synthesis and Diagnostics | Exhibition Hall | Poster3-A06 | Poster Session 3: Conformal antennas | Antennas |
| Leonor, Nuno R. | 17 Mar 2020 | 13:20 | 13:20 | Analysis of Radiowave Propagation in Forest Media Using the Parabolic Equation | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Leonor, Nuno R. | 20 Mar 2020 | 09:50 | 10:10 | A Practical Deconvolution Antenna Method to Retrieve Scattering Profile in Complex Random Media - A Vegetation Case Study at 28 GHz | B11 | CS20 | Assessment and Modeling of Antennas and Radio Channels Jointly | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Leonor, Nuno R. | 20 Mar 2020 | 09:30 | 09:50 | Radiowave Propagation Modelling in the Presence of Wildfires: Initial Results | B9 | T10-P02 | Propagation modelling and simulation | T10 EM modelling and simulation tools / Regular Session / Propagation |
| Leon-Valdes, Jehison | 19 Mar 2020 | 17:00 | 17:20 | Polarization Reconfiguration of a Millimeter-Waves Antenna Using the Optical Control of Phase Change Materials | A3 | CS49 | Novel Techniques for Beam Manipulation at Millimeter | T02 Millimetre wave 5G / Convened Session / Antennas |
| LeRoy-Naneix, Isabelle | 18 Mar 2020 | 13:20 | 13:20 | Three-Dimensional Frequency Selective Surface for Single-Polarized Filtering Applications with Angular Stability | Exhibition Hall | Poster2-E07 | Poster Session 2: Frequency and polarization selective surfaces | Electromagnetics |
| Lester, Edward | 19 Mar 2020 | 13:20 | 13:20 | A Passive RFID Tag for Biomass Tracking | Exhibition Hall | Poster3-A15 | Poster Session 3: RFID antennas/sensors and systems | Antennas |
| Letertre, Thibaut | 17 Mar 2020 | 13:20 | 13:20 | A Nesting Approach for the Numerical Analysis of MRI Birdcage Antennas in the Presence of the Human Head | A2 (Poster Area) | Convened Poster 1-CS27 | Electromagnetics in MRI Applications | T05 Biomedical and health / Convened Session / Electromagnetics |

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| Leung, Kwok Wa | 17 Mar 2020 | 13:20 | 13:20 | Filtering Dielectric Resonator Antenna Using Terminal-Loaded Resonators | Exhibition Hall | Poster1-A07 | Poster Session 1: Dielectric resonator antennas | Antennas |
| Leuther, Arnulf | 17 Mar 2020 | 13:20 | 13:20 | H-band Quartz-Cavity Leaky-Wave Lens Feeder with Novel Chip Interconnect | Exhibition Hall | Poster1-A09 | Poster Session 1: Lens antennas | Antennas |
| Levine, Ely | 17 Mar 2020 | 13:20 | 13:20 | Design and Simulation of a Dual Horn Antenna with Low Sidelobes and High Gain | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Levine, Ely | 18 Mar 2020 | 13:20 | 13:20 | Approximating the Directivities of Antenna Elements and Arrays | Exhibition Hall | Poster2-A01 | Poster Session 2: Antenna theory | Antennas |
| Lewis, Dennis | 19 Mar 2020 | 17:20 | 17:40 | Direct Wave Removal in Anechoic Chamber Range Imaging from Planar Scanned Data | B10 | CS48 | Novel Antenna Measurement Data Analysis and Techniques | T11 Fundamental research and emerging technologies / Convened Session / Measurements |
| Ley, Sebastian | 17 Mar 2020 | 11:40 | 12:00 | Investigation of Influences on the Detectability of Magnetic Nanoparticles by Means of Microwaves for Biomedical Applications | B6 | CS60 | Sensors and Systems for Microwave Biomedical Imaging and Sensing | T05 Biomedical and health / Convened Session / Antennas |
| Ley, Sebastian | 18 Mar 2020 | 09:30 | 09:50 | Advanced Temperature Dielectric Spectroscopy of Muscle Phantom at Microwave Frequencies | B6 | SW03 | COST Session CA17115 (MyWAVE): Supporting Medical Device Development via Dielectric and Thermal Tissue Characterization | T05 Biomedical and health / Convened Session / Measurements |
| Ley, Sebastian | 20 Mar 2020 | 11:20 | 11:40 | Temperature Dependent Dielectric Properties of Tissue Mimicking Phantom Material in the Microwave Frequency Range | B6 | SW06 | H2020 Session ID764479 (EMERALD): Electromagnetic Imaging for a Novel Generation of Medical Devices | T05 Biomedical and health / Convened Session / Electromagnetics |
| Lezhennikova, Ksenia | 17 Mar 2020 | 11:20 | 11:40 | An Artificial Shield for MRI Birdcage Coil with Constructive Interference | B9 | CS09 | Analytical and Numerical Methods for Metasurface Analysis and Design | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| L'Hour, Charles-Antoine | 17 Mar 2020 | 13:20 | 13:20 | Nine Years of Excess Attenuation Statistics of Earth-Space Propagation Experiments at Ka-Band in Toulouse, France | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Li, Baozhu | 18 Mar 2020 | 13:20 | 13:20 | The Sparsity and Incoherence in Compressive Sensing as Applied to Field Reconstruction | A2 (Poster Area) | Convened Poster 2-CS61 | Signal Processing Techniques for Advanced Electromagnetics Synthesis, Analysis, and Measurements | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Li, Baozu | 18 Mar 2020 | 11:00 | 11:20 | Advanced Teaching in Electromagnetics at the ELEDIA Research Center | B4 | CS26 | Education in Electromagnetics, Antennas, and Microwaves | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Li, Changzhen | 16 Mar 2020 | 16:20 | 16:40 | Bi-directional Vehicle-to-Vehicle Radio Channel Characteristics over Bridge at 5.9 GHz | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Li, Chenglong | 16 Mar 2020 | 14:30 | 14:50 | Phase-based Variant Maximum Likelihood Positioning for Passive UHF-RFID Tags | B5 | T08-A17 | Antennas and techniques for positioning and direction finding | T08 Positioning, localization & tracking / Regular Session / Antennas |
| Li, Fang | 16 Mar 2020 | 16:20 | 16:40 | Bi-directional Vehicle-to-Vehicle Radio Channel Characteristics over Bridge at 5.9 GHz | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Li, Huanan | 17 Mar 2020 | 11:00 | 11:20 | Multifunctional Nonreciprocal Metasurfaces Based on Spatiotemporal Modulation | B9 | CS09 | Analytical and Numerical Methods for Metasurface Analysis and Design | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Li, Hui | 18 Mar 2020 | 09:50 | 10:10 | Reducing User Effects on Mobile Handset Antennas Using Mode Mapping | B1 | CS45 | New Perspectives and Applications of Characteristic Mode Analysis in Antenna Design | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Li, Keyao | 16 Mar 2020 | 17:20 | 17:40 | Low-profile Millimeter-Wave Wideband Circularly Polarized Spiral Antenna Array | A2 | T02-A04/1 | Millimetre wave arrays for mobile communications | T02 Millimetre wave 5G / Regular Session / Antennas |
| Li, Maokun | 16 Mar 2020 | 17:40 | 18:00 | Real-Time Three-Dimensional Electrical Impedance Tomography of the Human Chest | B8 | T05-E05 | Microwave imaging | T05 Biomedical and health / Regular Session / Electromagnetics |
| Li, Maokun | 17 Mar 2020 | 17:40 | 18:00 | Review of W-band Reconfigurable Reflectarray and Transmitarray Antennas at Tsinghua University | A3 | CS56 | Recent Advances on Electronically Steerable Antenna Arrays at mm-Wave Frequencies | T02 Millimetre wave 5G / Convened Session / Antennas |
| Li, Maokun | 20 Mar 2020 | 11:20 | 11:40 | Design of Microwave Imaging System Based on Reconfigurable Transmitarray with Variable Focuses | B8 | CS59 | Reconfigurable Reflectarray and Transmitarrays | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Li, Mengting | 20 Mar 2020 | 08:50 | 09:10 | Characterization of Stirrer Performance in Reverberation Chamber Using Characteristic Modes | B5 | T11-M05 | EMI/EMC/PIM chambers, instrumentation, and measurements | T11 Fundamental research and emerging technologies / Regular Session / Measurements |
| Li, Minghui | 17 Mar 2020 | 13:20 | 13:20 | A Recursive Calibration Approach for Smart Antenna Beamforming Frontend | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Li, Minghui | 17 Mar 2020 | 13:20 | 13:20 | Direction of Arrival Estimation Using Hybrid Spatial Cross-Cumulants and Root-MUSIC | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Li, Minghui | 17 Mar 2020 | 13:20 | 13:20 | Non-Gaussian Colored Noise Generation for Wireless Channel Simulation with Particle Swarm Optimizer | Exhibition Hall | Poster1-A22 | Poster Session 1: MIMO, diversity, smart antennas & signal processing | Antennas |
| Li, Ningdong | 17 Mar 2020 | 13:20 | 13:20 | Reduction Technique of Differential Propagation Delay with Negative Group Delay Function | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Li, Ping | 17 Mar 2020 | 12:00 | 12:20 | An Explicit Time Domain Finite Element Boundary Integral Method with Element Level Domain Decomposition for Electromagnetic Scattering Analysis | B11 | T10-E03/1 | Computational and numerical techniques 1 | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Li, Qinghuan | 17 Mar 2020 | 13:20 | 13:20 | Monitoring of Snow Cover Properties Using Active and Passive Microwave Sensors in Boreal Forests: Implications of Variable Canopy Transmissivity | A2 (Poster Area) | Convened Poster 1-CS08 | Analysis, Design and Use of Microwave Techniques, Models, Systems, and Antennas for Snowpack Avalanches Monitoring | T08 Positioning, localization & tracking / Convened Session / Propagation |
| Li, Qinlong | 20 Mar 2020 | 08:50 | 09:10 | Characterization of Stirrer Performance in Reverberation Chamber Using Characteristic Modes | B5 | T11-M05 | EMI/EMC/PIM chambers, instrumentation, and measurements | T11 Fundamental research and emerging technologies / Regular Session / Measurements |

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| Li, Teng | 17 Mar 2020 | 09:50 | 10:10 | Microwave Metasurface-based Lens Antennas for 5G and Beyond | B1 | CS38 | ISAP Session: Recent Advances in Asian Antennas and Propagation Research | T02 Millimetre wave 5G / Convened Session / Antennas |
| Li, Wei-Yu | 17 Mar 2020 | 12:00 | 12:20 | Highly-Integrated Dual-Band mmWave Antenna Array for 5G Mobile Phone Application | B1 | CS38 | ISAP Session: Recent Advances in Asian Antennas and Propagation Research | T02 Millimetre wave 5G / Convened Session / Antennas |
| Li, Wenting | 17 Mar 2020 | 13:20 | 13:20 | An Ultra-wideband Reflectarray Antenna Using Connected Dipoles for Multifunctional Systems | Exhibition Hall | Poster1-A19 | Poster Session 1: Reflect arrays and transmit arrays | Antennas |
| Li, Xiaohang | 18 Mar 2020 | 13:20 | 13:20 | Design of Efficient Photomixer-based Terahertz Dielectric Resonator Antenna | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Li, Yezhen | 17 Mar 2020 | 11:40 | 12:00 | Novel Millimeter-Wave Phased Array Antenna for 5G Wireless Communications | B1 | CS38 | ISAP Session: Recent Advances in Asian Antennas and Propagation Research | T02 Millimetre wave 5G / Convened Session / Antennas |
| Li, Yinggang | 19 Mar 2020 | 13:20 | 13:20 | A Compact Mass-producible E-band Bandpass Filter Based on Multi-layer Waveguide Technology | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Li, Ying-Ning | 19 Mar 2020 | 08:50 | 09:10 | Compact Eight-Band Monopole for LTE Mobile Phone | A2 | T01-A11 | Multiband and wideband antennas | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Li, Yuepei | 17 Mar 2020 | 08:50 | 09:10 | Design of a Quad Band CPW - Fed Compact Flexible Patch Antenna for Wearable Applications | B2 | CS16 | Antennas in IoT Wireless Devices: Modelling and Industrial Considerations | T04 IoT and M2M / Convened Session / Antennas |
| Li, Yuepei | 18 Mar 2020 | 13:20 | 13:20 | A Miniaturized Circularly Polarized Antenna Using a Meandered Folded-Shorted Patch Array for CubeSats | Exhibition Hall | Poster2-A01 | Poster Session 2: Antenna theory | Antennas |
| Li, Yun Bo | 19 Mar 2020 | 13:20 | 13:20 | Dynamic Metasurfaces Based Aperture for Estimating the Directions of Arrival (DOA) | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Li, Yupeng | 20 Mar 2020 | 12:00 | 12:20 | A Gamma Beta Mixture Model for Channel Multipath Components Clustering | B9 | T10-P02 | Propagation modelling and simulation | T10 EM modelling and simulation tools / Regular Session / Propagation |
| Li, Zhiping | 19 Mar 2020 | 13:20 | 13:20 | Field Emulator for Wireless Communication Devices Base on Programmable Metasurface | Exhibition Hall | Poster3-M09 | Poster Session 3: MIMO and OTA testing | Measurements |
| Lialios, Dimitrios I. | 17 Mar 2020 | 13:20 | 13:20 | Design of Millimeter Wave True-Time-Delay Beam-formers for 5G Wireless Systems | A2 (Poster Area) | Convened Poster 1-CS10 | Antenna Array and Integrated Systems for 5G Communication Applications | T02 Millimetre wave 5G / Convened Session / Antennas |
| Liang, Qiuyan | 17 Mar 2020 | 13:20 | 13:20 | Enhanced Low Band MIMO Terminal Antenna Based on Selective Feeding of Chassis Modes | Exhibition Hall | Poster1-A22 | Poster Session 1: MIMO, diversity, smart antennas & signal processing | Antennas |
| Liao, Qingbi | 17 Mar 2020 | 13:20 | 13:20 | Groove Gap Waveguide Slot Array Based on Glide-Symmetric Holes | A2 (Poster Area) | Convened Poster 1-CS18 | Applications of mm-Wave Gap Waveguide Technology-I | T02 Millimetre wave 5G / Convened Session / Antennas |
| Liao, Wan-Chun | 17 Mar 2020 | 13:20 | 13:20 | Compact and Low Cost Linear Antenna Array for Millimeter Wave Automotive Radar Applications | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Liao, Wan-Chun | 18 Mar 2020 | 13:20 | 13:20 | Antenna Mutual Coupling Effects in Highly Integrated Transmitter Arrays | Exhibition Hall | Poster2-A02 | Poster Session 2: Antenna interactions and coupling | Antennas |
| Liao, Xi | 17 Mar 2020 | 17:40 | 18:00 | Measurement Based Millimeter Wave Massive MIMO Channel Parameter Comparison | B10 | T11-P02/1 | Channel Modelling for Massive MIMO and Near-Field Communication Systems | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Liao, Yi | 17 Mar 2020 | 13:20 | 13:20 | Frequency Diverse Array Beamforming Using Particle Swarm Optimization | Exhibition Hall | Poster1-A19 | Poster Session 1: Reflect arrays and transmit arrays | Antennas |
| Liard, Laurent | 18 Mar 2020 | 13:20 | 13:20 | Design of a Tunable Subwavelength Plasma-Based Resonator for Electrically Small Antenna Applications in L-band | A2 (Poster Area) | Convened Poster 2-CS29 | Exotic Antennas from Nano to Macro Scales | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Liberal, Iñigo | 18 Mar 2020 | 13:20 | 13:20 | Using Superdirectivity to Enhance the Performance of Different Scattering Processes | A2 (Poster Area) | Convened Poster 2-CS29 | Exotic Antennas from Nano to Macro Scales | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Liberal, Iñigo | 19 Mar 2020 | 16:40 | 17:00 | Nonperturbative Dynamics of Quantum Antennas | A2 | CS42 | Nano and Quantum Antennas | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Liberto, Salvatore | 17 Mar 2020 | 13:20 | 13:20 | Design of a Dual-Circularly-Polarized Stacked Patch Antenna for SOTM Application at Ka-band | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Liénard, Martine | 18 Mar 2020 | 13:20 | 13:20 | Estimation of the Number of Persons in a Reverberant Environment Using Bistatic Radar | Exhibition Hall | Poster2-P12 | Poster Session 2: Radar, localisation, and sensing | Propagation |
| Liénard, Martine | 20 Mar 2020 | 11:40 | 12:00 | Massive Radio Channel Sounder Architecture for 5G Mobility Scenarios: MaMIMOSA | B11 | CS20 | Assessment and Modeling of Antennas and Radio Channels Jointly | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Ligthart, Leo P. | 18 Mar 2020 | 12:00 | 12:20 | Wide-Angular Scanning Performance Enhancement in Linear Arrays via Combining Integrated In-line Subarrays and Amplitude Tapering | B7 | T06-A17 | Automotive antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Lim, Sungjoon | 19 Mar 2020 | 09:30 | 09:50 | Latest Developments and New Design Approaches in Designing Leaky-wave Antennas Based on Substrate Integrated Waveguide Technology | B2 | CS46 | New Trends in Leaky Wave Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Lim, Tae Heung | 16 Mar 2020 | 17:40 | 18:00 | Design of an Array Antenna Consisting of Three Dual Antenna Sets with a Narrow Array Distance for Interference Mitigation | B2 | T04-A08 | IoT antennas | T04 IoT and M2M / Regular Session / Antennas |
| Lima, Eduardo B. | 17 Mar 2020 | 13:20 | 13:20 | Equivalent Dielectric Description of Transmit-arrays as an Efficient and Accurate Method of Analysis | Exhibition Hall | Poster1-A19 | Poster Session 1: Reflect arrays and transmit arrays | Antennas |
| Lima, Mario | 16 Mar 2020 | 14:30 | 14:50 | Experimental Demonstration of Artificial Magnetic Conductors Constructed of Magnetically Coupled Helices | B4 | T07-A | Antenna theory and system design | T07 Defence and security / Regular Session / Antennas |
| Limiti, Ernesto | 16 Mar 2020 | 17:00 | 17:20 | Impedance Matching Network Based on Bianisotropic Metasurfaces for Antennas Operating at High Microwave, Millimeter-Wave or Terahertz Frequencies | B11 | T11-E08 | Metamaterials, metasurfaces and advanced materials | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |

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| Limiti, Ernesto | 17 Mar 2020 | 09:50 | 10:10 | Metasurface Structures with Bianisotropic Characteristics for Wide-Angle Impedance Matching in Phased-Array Antennas | B9 | CS09 | Analytical and Numerical Methods for Metasurface Analysis and Design | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Lin, Kun-You | 17 Mar 2020 | 10:40 | 11:00 | Modified Binomial Power Distribution Beamformer for Switched-Beam Circular Array | B1 | CS38 | ISAP Session: Recent Advances in Asian Antennas and Propagation Research | T02 Millimetre wave 5G / Convened Session / Antennas |
| Lin, Menglan | 17 Mar 2020 | 13:20 | 13:20 | Reconfigurable All-dielectric Transmission Lens for Vortex Beam Generation | Exhibition Hall | Poster1-A07 | Poster Session 1: Dielectric resonator antennas | Antennas |
| Lin, Quan Wei | 19 Mar 2020 | 16:40 | 17:00 | Directive Beam Radiation by A Fresnel Zone Plate Integrated Partially Reflective Surface for Millimeter-wave Applications | A3 | CS49 | Novel Techniques for Beam Manipulation at Millimeter | T02 Millimetre wave 5G / Convened Session / Antennas |
| Lin, Shen | 19 Mar 2020 | 11:00 | 11:20 | On the Information Entropy of Diffusive Multipath Scattering Environments | B8 | CS30 | Fundamental Challenges and Novel Methodologies in the Next-Generation Computational Electromagnetics | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Lin, Wei | 20 Mar 2020 | 09:30 | 09:50 | High Directivity, Omnidirectional Horizontally Polarized Antenna Array for Wireless Power Transfer in Internet-of-Things Applications | B10 | CS11 | Antenna Design and Fundamental Bounds with External Constraints | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Lin, Wei | 20 Mar 2020 | 11:40 | 12:00 | Electrically Small Huygens Dipole Rectennas for Wirelessly Powering Internet-of-Things Sensors | B1 | CS33 | IET Session: New Antenna Systems Involving Application of Metamaterials and Metasurfaces | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Lin, XianQi | 18 Mar 2020 | 13:20 | 13:20 | Retrieval of Effective Permittivity and Permeability of Periodic Structures on Dielectric and Magnetic Substrates | Exhibition Hall | Poster2-E07 | Poster Session 2: Frequency and polarization selective surfaces | Electromagnetics |
| Lin, Yuan-Hung | 19 Mar 2020 | 11:00 | 11:20 | Improvements of Multi-Antenna Specific Absorption Rate Using a Two-Stage Technique | A2 | T01-A02 | Terminal antennas and interactions with surroundings | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Lindell, Ismo V | 16 Mar 2020 | 14:10 | 14:30 | Matched Waves at Metaboundaries | B10 | CS24 | Controlling EM Waves with Low- and High-Dimensional Metamaterials | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Lindell, Ismo V | 17 Mar 2020 | 09:50 | 10:10 | Oliver Heaviside, Maxwell's Apostle of Eccentric Elegance | B11 | BC/1 | History of Electromagnetism 1 | T13 Bicentennial Session / Electromagnetics |
| Lindenmeier, Stefan | 17 Mar 2020 | 13:20 | 13:20 | A Three-Antenna Compact Micro-Diversity Module for Automotive Satellite Radio Reception | Exhibition Hall | Poster1-A22 | Poster Session 1: MIMO, diversity, smart antennas & signal processing | Antennas |
| Lindenmeier, Stefan | 19 Mar 2020 | 17:40 | 18:00 | A Testing Platform for Investigation of GNSS Antenna Diversity Systems | B5 | CS31 | GNSS Antennas and Systems for Challenged RF Environment | T08 Positioning, localization & tracking / Convened Session / Antennas |
| Lindmark, Björn | 20 Mar 2020 | 08:50 | 09:10 | Theory of Cross-Polar Beamforming for Dual Polarized Arrays in Mobile Communications | A2 | T01-A22 | MIMO, diversity, smart antennas & signal processing | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Link, Guido | 18 Mar 2020 | 09:50 | 10:10 | Microwave Tomography for Estimating Moisture Content Distribution in Porous Foam Using Neural Networks | B10 | T11-P02/2 | Machine Learning in Radio Propagation | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Lipman, Justin | 19 Mar 2020 | 13:20 | 13:20 | Ultra Wideband Dual Polarization Metamaterial Absorber for 5G Frequency Spectrum | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Liseno, Angelo | 19 Mar 2020 | 08:50 | 09:10 | Fast Single-Cut Antenna Characterization by near Field Measurements | B10 | CS07 | AMTA/EurAAP Session: Post Processing Techniques in Antenna Measurements | T11 Fundamental research and emerging technologies / Convened Session / Measurements |
| Litschke, Oliver | 20 Mar 2020 | 10:40 | 11:00 | Experimental Characterization of a Wideband G-Band Circularly Polarized Lens Antenna | B2 | T02-M08 | Mm-wave, THz, and quasi-optical antenna measurements | T02 Millimetre wave 5G / Regular Session / Measurements |
| Littman, Nickolas | 18 Mar 2020 | 08:50 | 09:10 | Teaching Wireless Communications Courses: An Experiential Learning Approach | B4 | CS26 | Education in Electromagnetics, Antennas, and Microwaves | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Litun, Vladimir | 19 Mar 2020 | 16:40 | 17:00 | Circular-Polarized Antennas Far-Field Enhancement Using Round Reflectors with Curved Sidewall | B4 | CS63 | State of the Art in Antenna Research in Russia | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Liu, Bo | 17 Mar 2020 | 08:30 | 08:50 | Machine Learning-assisted Antenna Design Optimization: A Review and the State-of-the-art | B10 | CS39 | Machine Learning in Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Liu, Chenji | 20 Mar 2020 | 09:50 | 10:10 | Implementation and Evaluation of Ray-Tracing Acceleration Methods in Wireless Communication | B9 | T10-P02 | Propagation modelling and simulation | T10 EM modelling and simulation tools / Regular Session / Propagation |
| Liu, Feng-Xue | 19 Mar 2020 | 13:20 | 13:20 | A Concept of Pattern-Reconfigurable Single-Element Antenna Based on Half-Mode Substrate-Integrated Cavity | Exhibition Hall | Poster3-A13 | Poster Session 3: Adaptive and reconfigurable antennas | Antennas |
| Liu, Guang | 17 Mar 2020 | 13:20 | 13:20 | A Triple-layer Wideband Transmitarray Antenna Using Finger-Type Slot Elements | Exhibition Hall | Poster1-A19 | Poster Session 1: Reflect arrays and transmit arrays | Antennas |
| Liu, Guangyang | 17 Mar 2020 | 13:20 | 13:20 | Propagation Analysis of Terahertz OAM Waves in Atmospheric Turbulent Environment | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Liu, Jie | 17 Mar 2020 | 13:20 | 13:20 | Convergence of OAM Beams Using Time-Modulated Concentric Circular Arrays | Exhibition Hall | Poster1-A22 | Poster Session 1: MIMO, diversity, smart antennas & signal processing | Antennas |
| Liu, Jie | 17 Mar 2020 | 13:20 | 13:20 | Propagation Model for UCA-based OAM Communications in Six-Ray Canyon Channels | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Liu, Kunning | 17 Mar 2020 | 13:20 | 13:20 | 2-D Wide-Scanning Flat Luneburg Lens Antenna for 5G Communication | Exhibition Hall | Poster1-A09 | Poster Session 1: Lens antennas | Antennas |
| Liu, Qing Huo | 18 Mar 2020 | 13:20 | 13:20 | A 16x16-Element Single-Layer Full-Corporate-Fed SIW Slot Array Antenna | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Liu, Wei E. I. | 17 Mar 2020 | 09:50 | 10:10 | Microwave Metasurface-based Lens Antennas for 5G and Beyond | B1 | CS38 | ISAP Session: Recent Advances in Asian Antennas and Propagation Research | T02 Millimetre wave 5G / Convened Session / Antennas |
| Liu, Wei E. I. | 20 Mar 2020 | 09:50 | 10:10 | Broadband Circularly Polarized Metasurface Antenna Fed by a Rotated L-Shaped Probe | B1 | CS33 | IET Session: New Antenna Systems Involving Application of Metamaterials and Metasurfaces | T11 Fundamental research and emerging technologies / Convened Session / Antennas |

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| Liu, Wenbo | 18 Mar 2020 | 13:20 | 13:20 | The Slotted Waveguide Array Antenna with Reflection Canceling Stairs in Millimeter Waveband | Exhibition Hall | Poster2-A10 | Poster Session 2: Slotted-waveguide and leaky-wave antennas | Antennas |
| Liu, Xiaolong | 18 Mar 2020 | 09:30 | 09:50 | The Study of 5G Massive MIMO End-to-End MPAC Test Solution | A3 | CS06 | AMTA/IRACON Session: Over-The-Air Testing of 5G Radios | T02 Millimetre wave 5G / Convened Session / Measurements |
| Liu, Xinghua | 19 Mar 2020 | 13:20 | 13:20 | Enhanced Double-Null Technique on General Planar Array for Two-Target Angular Resolution | Exhibition Hall | Poster3-M11 | Poster Session 3: Other measurement topics | Measurements |
| Liu, Xuekang | 16 Mar 2020 | 15:10 | 15:30 | A Broadband Circularly Polarized Antenna with Triple-Mode Characteristics | B5 | T08-A17 | Antennas and techniques for positioning and direction finding | T08 Positioning, localization & tracking / Regular Session / Antennas |
| Liu, Yang | 17 Mar 2020 | 13:20 | 13:20 | A Triple-layer Wideband Transmitarray Antenna Using Finger-Type Slot Elements | Exhibition Hall | Poster1-A19 | Poster Session 1: Reflect arrays and transmit arrays | Antennas |
| Liu, Yang | 19 Mar 2020 | 13:20 | 13:20 | Recent Developments in Radiated Two-Stage MIMO OTA Test Method | Exhibition Hall | Poster3-M09 | Poster Session 3: MIMO and OTA testing | Measurements |
| Liu, Yanming | 19 Mar 2020 | 13:20 | 13:20 | Integration of Circularly Polarized Microstrip Slot Array Antenna with Amorphous Silicon Solar Cells | Exhibition Hall | Poster3-A14 | Poster Session 3: Active and integrated antennas | Antennas |
| Liu, Yan-Ting | 17 Mar 2020 | 13:20 | 13:20 | Filtering Dielectric Resonator Antenna Using Terminal-Loaded Resonators | Exhibition Hall | Poster1-A07 | Poster Session 1: Dielectric resonator antennas | Antennas |
| Liu, Yao-Hong | 16 Mar 2020 | 13:50 | 14:10 | Multilayer Ultra-Miniature Loop Antenna for Insertable Pill Application | B6 | T05-A12/1 | Wearable and implantable antennas | T05 Biomedical and health / Regular Session / Antennas |
| Liu, Yujie | 18 Mar 2020 | 09:30 | 09:50 | An Ultrawideband Conformal Antenna for Implantable Drug Delivery Device | B2 | CS62 | Small Antenna in a Human Body Environment | T04 IoT and M2M / Convened Session / Antennas |
| Liu, Yujie | 18 Mar 2020 | 13:20 | 13:20 | An Ultra-thin Wide-Angle Scanned Planar Array Antenna for Satellite Communication | A2 (Poster Area) | Convened Poster 2-CS41 | Metasurfaces for Mobile (5G and Beyond) and Satellite Communication Systems | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Liu, Zhong | 18 Mar 2020 | 13:20 | 13:20 | Super-Resolution DOA Estimation Using Dynamic Metasurface Antenna | Exhibition Hall | Poster2-P12 | Poster Session 2: Radar, localisation, and sensing | Propagation |
| Liubina, Liubov | 19 Mar 2020 | 17:20 | 17:40 | Design of Wideband Reflectarray Antennas | B4 | CS63 | State of the Art in Antenna Research in Russia | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Lizzi, Leonardo | 17 Mar 2020 | 09:10 | 09:30 | From Optimal to Industrial Antenna: The Designer Dilemma for Compact NB-IoT Terminal | B2 | CS16 | Antennas in IoT Wireless Devices: Modelling and Industrial Considerations | T04 IoT and M2M / Convened Session / Antennas |
| Lizzi, Leonardo | 17 Mar 2020 | 17:40 | 18:00 | Compact 4-Element Radiation Pattern Agile Antenna for Spatial Filtering in IoT Networks | B1 | CS58 | Reconfigurable Antennas for Compact Devices | T04 IoT and M2M / Convened Session / Antennas |
| Lizzi, Leonardo | 19 Mar 2020 | 13:20 | 13:20 | A Compact Pattern Reconfigurable Antenna for UHF Internet of Things Applications | Exhibition Hall | Poster3-A13 | Poster Session 3: Adaptive and reconfigurable antennas | Antennas |
| LLombart, Nuria | 16 Mar 2020 | 14:10 | 14:30 | On the Design of a 27-dBi Phased Array for 5G Point-to-Point Communications | A2 | CS02 | Advanced Antenna Arrays for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Antennas |
| LLombart, Nuria | 16 Mar 2020 | 14:30 | 14:50 | Near-Field Beamforming in Leaky-Wave Resonant Antennas | B2 | CS21 | Challenges in Leaky Wave Antennas and Novel Approaches to Solve Them | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| LLombart, Nuria | 16 Mar 2020 | 15:10 | 15:30 | Design of a Wide-Scan Lens Based Focal Plane Array for Sub-millimeter Imaging Systems Using Coherent Fourier Optics | B4 | T07-A | Antenna theory and system design | T07 Defence and security / Regular Session / Antennas |
| LLombart, Nuria | 16 Mar 2020 | 13:50 | 14:10 | Experimental Validation of the Beam Pattern of a Wide Band Quasi-Optical System for DESHIMA Spectrometer | B8 | T09-A09 | Millimetre wave lens antennas for space applications | T09 Space (incl. cubesat) / Regular Session / Antennas |
| LLombart, Nuria | 16 Mar 2020 | 14:10 | 14:30 | Analysis of Wide Band Wide-Scanning Quasi-Optical Systems Based on Fourier Optics | B8 | T09-A09 | Millimetre wave lens antennas for space applications | T09 Space (incl. cubesat) / Regular Session / Antennas |
| LLombart, Nuria | 17 Mar 2020 | 13:20 | 13:20 | H-band Quartz-Cavity Leaky-Wave Lens Feeder with Novel Chip Interconnect | Exhibition Hall | Poster1-A09 | Poster Session 1: Lens antennas | Antennas |
| LLombart, Nuria | 17 Mar 2020 | 13:20 | 13:20 | On the Development of a Scanning Lens Phased Array at 550GHz | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| LLombart, Nuria | 17 Mar 2020 | 13:20 | 13:20 | Broadband Beam-Steering with Focused Connected Arrays in Quasi-Optical Systems | Exhibition Hall | Poster1-A18 | Poster Session 1: Reflector, feed systems, and components | Antennas |
| LLombart, Nuria | 18 Mar 2020 | 13:20 | 13:20 | On the Use of Dielectric Gratings for Enlarging the Field of View in Low Dielectric Permittivity Lenses | A2 (Poster Area) | Convened Poster 2-CS36 | Innovative Lens Antennas for Future Communication Systems | T02 Millimetre wave 5G / Convened Session / Antennas |
| LLombart, Nuria | 18 Mar 2020 | 13:20 | 13:20 | Improved Equivalent Norton Circuit for Pulsed Photoconductive Antennas | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| LLombart, Nuria | 20 Mar 2020 | 11:40 | 12:00 | On the Use of the Observable Field to Synthesize Independent Beams from a Finite Volume | A2 | T01-A22 | MIMO, diversity, smart antennas & signal processing | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| LLombart, Nuria | 20 Mar 2020 | 10:40 | 11:00 | Experimental Characterization of a Wideband G-Band Circularly Polarized Lens Antenna | B2 | T02-M08 | Mm-wave, THz, and quasi-optical antenna measurements | T02 Millimetre wave 5G / Regular Session / Measurements |
| LLombart, Nuria | 20 Mar 2020 | 11:00 | 11:20 | Experimental Validation of System NEP of a Single-Pixel THz Imaging Camera in CMOS | B2 | T02-M08 | Mm-wave, THz, and quasi-optical antenna measurements | T02 Millimetre wave 5G / Regular Session / Measurements |
| Lloyd, Elizabeth | 19 Mar 2020 | 17:00 | 17:20 | Comparison of Adaptive Null-Steering Algorithms for Low Power GNSS Phased Arrays | B5 | CS31 | GNSS Antennas and Systems for Challenged RF Environment | T08 Positioning, localization & tracking / Convened Session / Antennas |
| Lodi, Matteo | 18 Mar 2020 | 10:40 | 11:00 | On the Dielectric/Thermal Characterization and Calibration of Solutions and Materials for Biomedical Applications | B6 | SW03 | COST Session CA17115 (MyWAVE): Supporting Medical Device Development via Dielectric and Thermal Tissue Characterization | T05 Biomedical and health / Convened Session / Measurements |
| Lodi, Matteo | 18 Mar 2020 | 13:20 | 13:20 | Application of MRI, fMRI and Cognitive Data for Alzheimer's Disease Detection | Exhibition Hall | Poster2-E05 | Poster Session 2: Imaging and inverse scattering | Electromagnetics |

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| Loh, Tian Hong | 19 Mar 2020 | 09:30 | 09:50 | An Assessment of the Radio Frequency Electromagnetic Field Exposure from A Massive MIMO 5G Testbed | A3 | CS34 | IET/AMTA Session: Test and Measurement Challenges for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Measurements |
| Lohrey, Thomas | 19 Mar 2020 | 13:20 | 13:20 | Low Attenuation Dichroic Sub-Reflector for Wide Incident Angles for Ka/Ku Band Satellite Antenna Systems: An ECA Analysis | Exhibition Hall | Poster3-A11 | Poster Session 3: Multiband and wideband antennas | Antennas |
| Loiseaux, Brigitte | 19 Mar 2020 | 13:20 | 13:20 | Ultra-broadband Multilayer Microwave Absorber by Multimaterial 3D Printing | Exhibition Hall | Poster3-A21 | Poster Session 3: Additive manufacturing | Antennas |
| Loison, Renaud | 16 Mar 2020 | 16:20 | 16:40 | Preliminary Co-Design of L and X-band Stacked Arrays with Scanning Capabilities | B4 | T07-A17 | Multiband, wideband and array antennas | T07 Defence and security / Regular Session / Antennas |
| Lomakin, Konstantin | 19 Mar 2020 | 13:20 | 13:20 | 3D Printed Helix Antenna for 77 GHz | Exhibition Hall | Poster3-A21 | Poster Session 3: Additive manufacturing | Antennas |
| Lombardi, Guido | 17 Mar 2020 | 18:00 | 18:20 | Wiener-Hopf Analysis of the Scattering from an Abruptly Ended Dielectric Slab Waveguide | B9 | CS32 | High-Frequency Methods and Applications | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Long, Stuart A. | 19 Mar 2020 | 09:50 | 10:10 | History of Microstrip and Dielectric Resonator Antennas | B11 | BC/3 | History of Electromagnetism 3 | T13 Bicentennial Session / Electromagnetics |
| Long, Stuart A. | 19 Mar 2020 | 16:40 | 17:00 | Review of Recent Advances in the Leaky-Wave Analysis of 2-D Leaky-Wave Antennas | B2 | T02-A10 | Leaky-wave and Traveling-wave Antennas | T02 Millimetre wave 5G / Regular Session / Antennas |
| Lonsky, Tomas | 17 Mar 2020 | 13:20 | 13:20 | Optimization of Excitation and Geometry of Linear Dipole Array Above PEC Ground Plane for Directivity Maximization | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Lopez Iturri, Peio | 17 Mar 2020 | 13:20 | 13:20 | Analysis of Phase Evolution Impact in SIMO Operation in Distributed Transceiver Systems | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Lopez Iturri, Peio | 20 Mar 2020 | 08:30 | 08:50 | Deterministic Radio Channel Characterization for Near-Ground Wireless Sensor Networks Deployment Optimization in Smart Agriculture | B9 | T10-P02 | Propagation modelling and simulation | T10 EM modelling and simulation tools / Regular Session / Propagation |
| Lopez Morales, Manuel Jose | 19 Mar 2020 | 08:30 | 08:50 | Near-Field to Far-Field Transformation for Fast Linear Slide Measurements | B10 | CS07 | AMTA/EurAAP Session: Post Processing Techniques in Antenna Measurements | T11 Fundamental research and emerging technologies / Convened Session / Measurements |
| Lopez, Giuseppe | 17 Mar 2020 | 12:00 | 12:20 | Phaseless Approach to Microwave Biomedical Imaging: System Requirements Towards Clinical Applications | B6 | CS60 | Sensors and Systems for Microwave Biomedical Imaging and Sensing | T05 Biomedical and health / Convened Session / Antennas |
| Lopez-Yela, Ana | 16 Mar 2020 | 16:00 | 16:20 | Rectenna at 2.45 GHz for Wearable Applications | B6 | T05-A12/1 | Wearable and implantable antennas | T05 Biomedical and health / Regular Session / Antennas |
| Lopresto, Vanni | 18 Mar 2020 | 08:50 | 09:10 | Investigation on Temperature-Dependent Changes of Tissue Thermal Properties on Microwave Ablation Treatments | B6 | SW03 | COST Session CA17115 (MyWAVE): Supporting Medical Device Development via Dielectric and Thermal Tissue Characterization | T05 Biomedical and health / Convened Session / Measurements |
| Loredo, Susana | 17 Mar 2020 | 13:20 | 13:20 | Dual-Polarized Dual-Frequency Ka-band Transmitarray Lens | Exhibition Hall | Poster1-A19 | Poster Session 1: Reflect arrays and transmit arrays | Antennas |
| Lorenz, Mario | 18 Mar 2020 | 11:40 | 12:00 | 3D Calibration of an Over-the-Air Testbed for GNSS CRPA Antenna Testing | A3 | CS06 | AMTA/IRACON Session: Over-The-Air Testing of 5G Radios | T02 Millimetre wave 5G / Convened Session / Measurements |
| Losenicky, Vit | 18 Mar 2020 | 13:20 | 13:20 | Hybrid MoM/T-Matrix Method for Analysis of Interaction Between Objects | Exhibition Hall | Poster2-E03 | Poster Session 2: Computational and numerical techniques | Electromagnetics |
| Lospalluto, Donato | 17 Mar 2020 | 12:00 | 12:20 | Performance Trends at 26 GHz for a Receiving Ground Station at Polar Latitudes: The SNOWBEAR Project | B8 | T09-P08 | Satellite propagation | T09 Space (incl. cubesat) / Regular Session / Propagation |
| Lovato, Ricardo | 20 Mar 2020 | 09:10 | 09:30 | Bandwidth and Efficiency Enhancement for 2-D Beamscanning Reflectarray Operating at X Band | B8 | CS59 | Reconfigurable Reflectarray and Transmitarrays | T09 Space (incl. cubesat) / Convened Session / Antennas |
| LoVetri, Joe | 17 Mar 2020 | 09:10 | 09:30 | Qualitative Techniques for Generating Spatial Prior Information for Biomedical Microwave Imaging | B6 | CS60 | Sensors and Systems for Microwave Biomedical Imaging and Sensing | T05 Biomedical and health / Convened Session / Antennas |
| Lozano-Guerrero, Antonio Jose | 17 Mar 2020 | 13:20 | 13:20 | Transmission Loss Evaluation for Fabry-Perot Materials' Characterization | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Lu, Pan | 18 Mar 2020 | 13:20 | 13:20 | Tools for the Efficient Implementation of the DBIM Algorithm in Microwave Imaging Experiments | A2 (Poster Area) | Convened Poster 2-CS61 | Signal Processing Techniques for Advanced Electromagnetics Synthesis, Analysis, and Measurements | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Lucido, Mario | 18 Mar 2020 | 13:20 | 13:20 | Efficient and Effective Synthesis of Large Arrays for 5G and Beyond | A2 (Poster Area) | Convened Poster 2-CS61 | Signal Processing Techniques for Advanced Electromagnetics Synthesis, Analysis, and Measurements | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Ludeno, Giovanni | 19 Mar 2020 | 09:10 | 09:30 | Micro-UAV Radar Imaging via DGPS and Microwave Tomography | B7 | T06-P09 | Propagation for Unmanned Aerial Vehicles (UAVs) | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Propagation |
| Ludick, Danie | 18 Mar 2020 | 13:20 | 13:20 | A Parallelized Fast Array Analysis Approach | Exhibition Hall | Poster2-E03 | Poster Session 2: Computational and numerical techniques | Electromagnetics |
| Luini, Lorenzo | 17 Mar 2020 | 13:20 | 13:20 | ITALSAT Ka, Q and V Band Cross Polar Discrimination Statistics Measured in Spino d'Adda, Italy | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Luini, Lorenzo | 19 Mar 2020 | 17:40 | 18:00 | The MEKaP Project: Measuring Tropospheric Impairments at Ka Band with MEO Satellites | B8 | T09-P13 | Propagation Aspects in Remote Sensing | T09 Space (incl. cubesat) / Regular Session / Propagation |
| Lukovsky, Gregory | 17 Mar 2020 | 13:20 | 13:20 | Detection Probability Calculations for Fluctuating Targets Under Clutter | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Lumia, Mauro | 17 Mar 2020 | 16:40 | 17:00 | Characteristic Mode Analysis of Multi-Octave Asymmetric Dipoles | B8 | CS15 | Antennas for Radio Astronomy | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Lumia, Mauro | 18 Mar 2020 | 11:40 | 12:00 | A Drone-Mounted Q-Band Test-Source for the Validation of the Large Scale Polarization Explorer | B11 | T06-M10 | UAV-Based Antenna Measurements (AMTA) | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Measurements |
| Lundgren, Johan | 18 Mar 2020 | 10:40 | 11:00 | Measurement Characterization of Aperture Correction Technique for EMF | A3 | CS06 | AMTA/IRACON Session: Over-The-Air Testing of 5G Radios | T02 Millimetre wave 5G / Convened Session / Measurements |

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| Luo, Jian | 18 Mar 2020 | 13:20 | 13:20 | Multi-band Characterization of Propagation in Industry Scenarios | Exhibition Hall | Poster2-P05 | Poster Session 2: Mm-wave and UWB propagation | Propagation |
| Luo, Jun | 19 Mar 2020 | 13:20 | 13:20 | On the Measurement of Radiated Power for 5G Mobile Device with Spectrum Analyzer | Exhibition Hall | Poster3-M09 | Poster Session 3: MIMO and OTA testing | Measurements |
| Luo, Ning | 19 Mar 2020 | 13:20 | 13:20 | An Ultra-Wideband Stacked Spiral-Helix Composite Antenna | Exhibition Hall | Poster3-A11 | Poster Session 3: Multiband and wideband antennas | Antennas |
| Luo, Qi | 16 Mar 2020 | 15:10 | 15:30 | Millimeter-Wave Dual-Polarized Slot Array Antenna Using a TE210 and TE120 Mode | A2 | CS02 | Advanced Antenna Arrays for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Antennas |
| Luo, Ruoshan | 20 Mar 2020 | 11:20 | 11:40 | Edge Truncation Effects in a Wide-Scan Phased Array of Connected Bowtie Antenna Elements | B7 | T06-A11 | Aircraft antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Luomaniemi, Rasmus | 17 Mar 2020 | 13:20 | 13:20 | Reducing User Effect on Mobile Antenna Systems with Antenna Cluster Technique | A2 (Poster Area) | Convened Poster 1-CS17 | Antennas with Multi-Port/Distributed Feeding and On-Antenna Power-Combining for Efficient Integration and Reconfigurability | T02 Millimetre wave 5G / Convened Session / Antennas |
| Luomaniemi, Rasmus | 20 Mar 2020 | 08:50 | 09:10 | Characteristic Mode Analysis of Mobile and Wearable Antennas in Lossy Environment | B10 | CS11 | Antenna Design and Fundamental Bounds with External Constraints | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Luxey, Cyril | 16 Mar 2020 | 14:30 | 14:50 | 3-D Printed High-Efficiency Wideband 2X2 and 4X4 Double-Ridged Waveguide Antenna Arrays for Ku-Band Satcom-On-The-Move Applications | A2 | CS02 | Advanced Antenna Arrays for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Antennas |
| Luxey, Cyril | 16 Mar 2020 | 16:20 | 16:40 | Near-field Measurement and Far-field Characterization of a J-band Antenna Based on an Electro-optic Sensing | B7 | T06-M03 | Near-field, far-field, compact and RCS range measurement techniques | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Measurements |
| Luxey, Cyril | 18 Mar 2020 | 13:20 | 13:20 | Transmit-array Antenna Design for Broadband Backhaul 5G Communications at WIGIG Band | A2 (Poster Area) | Convened Poster 2-CS36 | Innovative Lens Antennas for Future Communication Systems | T02 Millimetre wave 5G / Convened Session / Antennas |
| Luxey, Cyril | 19 Mar 2020 | 11:20 | 11:40 | Portable, Freehand System for Antenna Diagnosis Using Amplitude-Only Data | B10 | CS07 | AMTA/EurAAP Session: Post Processing Techniques in Antenna Measurements | T11 Fundamental research and emerging technologies / Convened Session / Measurements |
| Luyen, Hung | 20 Mar 2020 | 09:30 | 09:50 | A 2-Bit Phase-Shifting Unit Cell Design for Beam-Steerable Reflectarrays | B8 | CS59 | Reconfigurable Reflectarray and Transmitarrays | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Luzi, Guido | 17 Mar 2020 | 13:20 | 13:20 | A Low Cost Active Corner Reflector to Assist Snow Monitoring Through Sentinel/1 Images | A2 (Poster Area) | Convened Poster 1-CS08 | Analysis, Design and Use of Microwave Techniques, Models, Systems, and Antennas for Snowpack Avalanches Monitoring | T08 Positioning, localization & tracking / Convened Session / Propagation |
| Lv, Yan-He | 19 Mar 2020 | 17:20 | 17:40 | Implementation Methods for Planar Wide-Angle Scanning Phased Array | A3 | CS49 | Novel Techniques for Beam Manipulation at Millimeter | T02 Millimetre wave 5G / Convened Session / Antennas |
| Lv, Yan-He | 20 Mar 2020 | 12:00 | 12:20 | Asymmetric Metasurface Antenna with Opposite Currents for Wide Beam and Low Profile Wide-Angle Scanning Phased Array | B7 | T06-A11 | Aircraft antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Lyras, Nikolaos | 17 Mar 2020 | 11:00 | 11:20 | Cloud Free LOS Probability Estimation for MEO Optical Satellite Systems and Optical Satellite Network Dimensioning | B8 | T09-P08 | Satellite propagation | T09 Space (incl. cubesat) / Regular Session / Propagation |
| Lysko, Albert A. | 17 Mar 2020 | 13:20 | 13:20 | Experiences: Near Line-Of-Sight TVWS | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Lyu, Yue-Long | 16 Mar 2020 | 16:00 | 16:20 | A Method of Side-lobe Suppression for Reactance Modulated Antennas | B5 | T08-A17 | Antennas and techniques for positioning and direction finding | T08 Positioning, localization & tracking / Regular Session / Antennas |
| Ma, Liao | 17 Mar 2020 | 13:20 | 13:20 | Compact Quasi-Optical Power Combiner with Single Shaped Reflector | Exhibition Hall | Poster1-A18 | Poster Session 1: Reflector, feed systems, and components | Antennas |
| Ma, Mengyao | 18 Mar 2020 | 13:20 | 13:20 | Switched Beam Lens Antennas Fed with Magneto-Electric Dipoles | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Ma, Rongjie | 17 Mar 2020 | 09:50 | 10:10 | Embedded 5G Wideband Dual-Polarized mm-Wave Antennas in Non-mm-Wave Antennas Integrating a Package (AiAiP) for a Metal-Framed Cell Phone | A2 | T02-A04/2 | Millimetre wave arrays for mobile terminals | T02 Millimetre wave 5G / Regular Session / Antennas |
| Ma, Shukai | 20 Mar 2020 | 10:40 | 11:00 | Towards Hybrid Statistical-Deterministic Wireless Channel Modelling of Multiroom Environments | B11 | CS20 | Assessment and Modeling of Antennas and Radio Channels Jointly | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Ma, Tzyh-Ghuang | 19 Mar 2020 | 13:20 | 13:20 | Frequency Reconfigurable Self-oscillating Active Integrated Antenna Using Metamaterial Resonators and Diode Switches | Exhibition Hall | Poster3-A14 | Poster Session 3: Active and integrated antennas | Antennas |
| Ma, Xin | 16 Mar 2020 | 16:00 | 16:20 | Complementary Metasurfaces for Waveguide Applications | B11 | T11-E08 | Metamaterials, metasurfaces and advanced materials | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Ma, Yankai | 17 Mar 2020 | 13:20 | 13:20 | An Irregular Tightly Coupled Dipole Array with Wide Scanning Angles | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Ma, Yankai | 20 Mar 2020 | 12:00 | 12:20 | Scattering Control of Wideband Phased Arrays Using Metamaterial Absorbers | B4 | T11-E06 | Scattering and diffraction | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Maaskant, Rob | 17 Mar 2020 | 13:20 | 13:20 | High Power mm-Wave Spatial Power Combiner Employing On-Chip Isolation Resistors | A2 (Poster Area) | Convened Poster 1-CS17 | Antennas with Multi-Port/Distributed Feeding and On-Antenna Power-Combining for Efficient Integration and Reconfigurability | T02 Millimetre wave 5G / Convened Session / Antennas |
| Maaskant, Rob | 18 Mar 2020 | 13:20 | 13:20 | Antenna Mutual Coupling Effects in Highly Integrated Transmitter Arrays | Exhibition Hall | Poster2-A02 | Poster Session 2: Antenna interactions and coupling | Antennas |

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|------------------------|-------------|-------|-------|--|------------------|------------------------|--|--|
| Maaskant, Rob | 20 Mar 2020 | 08:30 | 08:50 | Integrated Doherty Power Amplifier - Antenna Element with Active Impedance Modulation: Efficiency vs. Bandwidth Trade-Offs | A2 | T01-A22 | MIMO, diversity, smart antennas & signal processing | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Maaskant, Rob | 20 Mar 2020 | 10:40 | 11:00 | Array Configuration Effect on the Spatial Correlation of MU-MIMO Channels in NLoS Environments | A2 | T01-A22 | MIMO, diversity, smart antennas & signal processing | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Macabiau, Christophe | 20 Mar 2020 | 08:30 | 08:50 | Including the Aircraft and the Antenna in a Wide Band Aeronautical LMS Channel Model | B11 | CS20 | Assessment and Modeling of Antennas and Radio Channels Jointly | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Maccabe, Andrew C. | 17 Mar 2020 | 11:20 | 11:40 | Rigid-Flexible Antenna Array (RFAA) for Lightweight Deployable Apertures | B5 | CS01 | Active Antennas for Onboard Space Applications | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Machado, Fernando | 17 Mar 2020 | 13:20 | 13:20 | Problems While Setting the Reference Level in a Satellite Beacon Receiver Propagation Experiment at Ka-band | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Maci, Stefano | 16 Mar 2020 | 14:50 | 15:10 | A Method for Extending the Bandwidth of Modulated Metasurface Antennas | B10 | CS24 | Controlling EM Waves with Low- and High-Dimensional Metamaterials | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Maci, Stefano | 16 Mar 2020 | 17:20 | 17:40 | Investigation of Surface Waves on Anisotropic Self-Complementary Metasurfaces | B10 | CS24 | Controlling EM Waves with Low- and High-Dimensional Metamaterials | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Maci, Stefano | 16 Mar 2020 | 17:40 | 18:00 | High Speed Metasurface Reconfigurability Under Optical Control | B10 | CS24 | Controlling EM Waves with Low- and High-Dimensional Metamaterials | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Maci, Stefano | 17 Mar 2020 | 11:40 | 12:00 | Robust Homogenized Impedance Model for Periodically Modulated Metasurfaces | B9 | CS09 | Analytical and Numerical Methods for Metasurface Analysis and Design | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Maci, Stefano | 17 Mar 2020 | 13:20 | 13:20 | Ultrawideband Transmitarray Employing Connected Slot-Bowtie Dipole Elements | Exhibition Hall | Poster1-A19 | Poster Session 1: Reflect arrays and transmit arrays | Antennas |
| Maci, Stefano | 17 Mar 2020 | 17:20 | 17:40 | Reconfigurable Metasurface Antenna for 5G Base Stations | B5 | CS28 | EuMA/EurAAP Session: From Radiating Section to Digital Interface - Research and Design Trends for an End-To-End Approach of Highly Integrated Active Antenna Systems | T02 Millimetre wave 5G / Convened Session / Antennas |
| Maci, Stefano | 17 Mar 2020 | 18:00 | 18:20 | Liquid Crystal-based Reconfigurable Metasurface for Beam Scanning at Millimeter Wave Frequencies | A3 | CS56 | Recent Advances on Electronically Steerable Antenna Arrays at mm-Wave Frequencies | T02 Millimetre wave 5G / Convened Session / Antennas |
| Maci, Stefano | 18 Mar 2020 | 13:20 | 13:20 | Recent Advances on Modulated Metasurface Antennas for SatCom | A2 (Poster Area) | Convened Poster 2-CS41 | Metasurfaces for Mobile (5G and Beyond) and Satellite Communication Systems | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Maci, Stefano | 18 Mar 2020 | 13:20 | 13:20 | Ray-tracing in Dielectric Inhomogeneous Metalenses | A2 (Poster Area) | Convened Poster 2-CS50 | Novel Wave Phenomena in Metamaterials and Metasurfaces Applied to Antennas and Propagation | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Maci, Stefano | 19 Mar 2020 | 11:00 | 11:20 | Controlling Dual Polarization with Metasurface Leakage | B2 | CS46 | New Trends in Leaky Wave Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Maci, Stefano | 20 Mar 2020 | 09:10 | 09:30 | Gaussian Horn Implemented by Metasurfaces | B1 | CS33 | IET Session: New Antenna Systems Involving Application of Metamaterials and Metasurfaces | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Macit, Zeynep | 20 Mar 2020 | 11:20 | 11:40 | Broadband Microwave Dielectric Property Comparison of Human Fetal Osteoblastic (hFOB) and Osteosarcoma (SaOS-2) Cell Lines | B5 | T11-M01 | Material characterisation and non-destructive testing | T11 Fundamental research and emerging technologies / Regular Session / Measurements |
| Mackenzie, Roderick | 19 Mar 2020 | 13:20 | 13:20 | A Passive RFID Tag for Biomass Tracking | Exhibition Hall | Poster3-A15 | Poster Session 3: RFID antennas/sensors and systems | Antennas |
| Madannejad, Alireza | 16 Mar 2020 | 14:50 | 15:10 | Miniaturized CPW-fed Bowtie Slot Antenna for Wearable Biomedical Application | B6 | T05-A12/1 | Wearable and implantable antennas | T05 Biomedical and health / Regular Session / Antennas |
| Madannejad, Alireza | 18 Mar 2020 | 13:20 | 13:20 | A New Focused Hyperthermia Based on SpaceFrequency DORT | Exhibition Hall | Poster2-E05 | Poster Session 2: Imaging and inverse scattering | Electromagnetics |
| Madannejad, Alireza | 19 Mar 2020 | 13:20 | 13:20 | Reflectometry Enhancement by Saline Injection in Microwave-based Skin Burn Injury Diagnosis | Exhibition Hall | Poster3-M11 | Poster Session 3: Other measurement topics | Measurements |
| Maeda, Tomoaki | 19 Mar 2020 | 13:20 | 13:20 | Single-Chip Impulse-Radar Integrated Circuits for Microwave-Imaging | Exhibition Hall | Poster3-A16 | Poster Session 3: UWB antennas and time-domain techniques | Antennas |
| Maestro, Luis | 19 Mar 2020 | 12:00 | 12:20 | Analytic Propagation Approximation over Variable Terrain and Comparison to Data | B1 | T01-P02 | Propagation modelling and simulation | T01 LTE and Sub-6GHz 5G / Regular Session / Propagation |
| Maestrojuán, Itziar | 19 Mar 2020 | 13:20 | 13:20 | Design of Multiband Conformal Antenna for Sounding Rocket | Exhibition Hall | Poster3-A06 | Poster Session 3: Conformal antennas | Antennas |
| Maeurer, Christoph | 18 Mar 2020 | 13:20 | 13:20 | Antenna Design Exploration and Optimization Using Machine Learning | Exhibition Hall | Poster2-E04 | Poster Session 2: Optimisation methods in EM | Electromagnetics |
| Maggiorelli, Francesca | 18 Mar 2020 | 13:20 | 13:20 | Ray-tracing in Dielectric Inhomogeneous Metalenses | A2 (Poster Area) | Convened Poster 2-CS50 | Novel Wave Phenomena in Metamaterials and Metasurfaces Applied to Antennas and Propagation | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Mahdy, Esraa | 18 Mar 2020 | 13:20 | 13:20 | Integral Equation Formulation for Planar Plasmonic Nano Structures in Layered Media | Exhibition Hall | Poster2-E03 | Poster Session 2: Computational and numerical techniques | Electromagnetics |
| Mahmoud, Adham | 16 Mar 2020 | 13:30 | 13:50 | Quasi-Optical Excitation of a Circularly-Polarized Metasurface Antenna at K-band | B2 | CS21 | Challenges in Leaky Wave Antennas and Novel Approaches to Solve Them | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Mahmoud, Adham | 16 Mar 2020 | 13:50 | 14:10 | Broadband Offset-Reflector Beamformer on BCB in the 300-GHz Band | B10 | CS24 | Controlling EM Waves with Low- and High-Dimensional Metamaterials | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |

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| Mahmoud, Adham | 17 Mar 2020 | 13:20 | 13:20 | Broadband CTS Array in PCB Technology | A2 (Poster Area) | Convened Poster 1-CS10 | Antenna Array and Integrated Systems for 5G Communication Applications | T02 Millimetre wave 5G / Convened Session / Antennas |
| Mahoney, Brody | 16 Mar 2020 | 16:20 | 16:40 | Applique: A Computationally Efficient Modeling Tool for Multi-Layer Printed Inductors, for near Field Wireless Power Transfer Applications | B9 | CS43 | Near- and Far-Field Wireless Power Transfer | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Mailloux, Robert | 19 Mar 2020 | 09:30 | 09:50 | The Phased Array Antenna: A History of Progress in Analysis and Technology | B11 | BC/3 | History of Electromagnetism 3 | T13 Bicentennial Session / Electromagnetics |
| Maisto, Maria Antonia | 18 Mar 2020 | 11:00 | 11:20 | Warping Method for Probe Location in near/far Field Transformation | B9 | CS66 | Unconventional Techniques and Applications for Inverse Scattering Problems | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Maitra, Animesh | 19 Mar 2020 | 16:40 | 17:00 | Remote Sensing of Tropical Precipitation with Radar and Radiometric Measurements | B8 | T09-P13 | Propagation Aspects in Remote Sensing | T09 Space (incl. cubesat) / Regular Session / Propagation |
| Makino, Shigeru | 17 Mar 2020 | 13:20 | 13:20 | Reflectarray Antenna Changing Beam Direction by Polarization | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Makurin, Mikhail | 17 Mar 2020 | 13:20 | 13:20 | Phase Distribution Optimization for 1-Bit Transmitarrays with Near-Field Coupling Feeding Technique | A2 (Poster Area) | Convened Poster 1-CS17 | Antennas with Multi-Port/Distributed Feeding and On-Antenna Power-Combining for Efficient Integration and Reconfigurability | T02 Millimetre wave 5G / Convened Session / Antennas |
| Malhouroux, Nadine | 17 Mar 2020 | 13:20 | 13:20 | Mobile Measurements at 3.7 GHz Using a Massive MIMO Antenna Array in Outdoor Environments | Exhibition Hall | Poster1-P03 | Poster Session 1: Channel sounding and parameter estimation techniques | Propagation |
| Malotaux, Satoshi | 20 Mar 2020 | 11:00 | 11:20 | Experimental Validation of System NEP of a Single-Pixel THz Imaging Camera in CMOS | B2 | T02-M08 | Mm-wave, THz, and quasi-optical antenna measurements | T02 Millimetre wave 5G / Regular Session / Measurements |
| Maltseva, Olga | 18 Mar 2020 | 10:40 | 11:00 | Possibility of Signal Reflection from the Northern Crest of EIA: Case Study | B10 | T11-P04 | Experimental methods and campaigns | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Mälzer, Moritz | 18 Mar 2020 | 13:20 | 13:20 | Experimental Results on Rain Detection at Ka-Band Based on Range-Doppler Signal Processing | Exhibition Hall | Poster2-P12 | Poster Session 2: Radar, localisation, and sensing | Propagation |
| Manara, Giuliano | 17 Mar 2020 | 17:40 | 18:00 | 3D Diffraction of a Complex Source Beam by a PEC Wedge | B9 | CS32 | High-Frequency Methods and Applications | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Mandal, Bappaditya | 16 Mar 2020 | 17:40 | 18:00 | A Low Profile Button Antenna with Back Radiation Reduced by FSS | B6 | T05-A12/1 | Wearable and implantable antennas | T05 Biomedical and health / Regular Session / Antennas |
| Mandal, Bappaditya | 17 Mar 2020 | 17:00 | 17:20 | Wireless Power Transfer System Design in Reactive Near-Field for Implantable Devices | A2 | T04-A20 | Wireless power transfer and inductive coupling | T04 IoT and M2M / Regular Session / Antennas |
| Mandal, Bappaditya | 19 Mar 2020 | 09:10 | 09:30 | Clustering of Dielectric and Colour Profiles of an Ex-vivo Burnt Human Skin Sample | B6 | T05-A12/2 | Point of Care Microwave Sensors | T05 Biomedical and health / Regular Session / Antennas |
| Mandal, Bappaditya | 19 Mar 2020 | 10:40 | 11:00 | Low Profile Implantable Antenna for Fat Intra-Body Communication | B6 | T05-A12/2 | Point of Care Microwave Sensors | T05 Biomedical and health / Regular Session / Antennas |
| Mandal, Bappaditya | 19 Mar 2020 | 13:20 | 13:20 | Design of Constant Width Branch Line Directional Coupler for the Microwave Sensing Application | Exhibition Hall | Poster3-M11 | Poster Session 3: Other measurement topics | Measurements |
| Mandal, Sujit Kumar | 18 Mar 2020 | 13:20 | 13:20 | Miniaturized On-Chip Meandered Loop Antenna with Improved Gain Using Partially Shield Layer | Exhibition Hall | Poster2-A08 | Poster Session 2: Electrically small antennas | Antennas |
| Mangini, Fabio | 19 Mar 2020 | 08:50 | 09:10 | Cloaking and Magnifying Using Radial Anisotropy in Non-Integer Dimensional Space | B9 | T10-E05/1 | Electromagnetic Methods for Direct and Inverse Scattering Involving Stratified Media | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Mann, Wieland | 19 Mar 2020 | 11:40 | 12:00 | Characterisation of a Fibre-Optic Active Probe for Compensation of the Test-Zone Field | B10 | CS07 | AMTA/EurAAP Session: Post Processing Techniques in Antenna Measurements | T11 Fundamental research and emerging technologies / Convened Session / Measurements |
| Manna, Antonio | 17 Mar 2020 | 17:40 | 18:00 | ML Based Fully Digital UWB Antenna for Direction Finding Systems | B5 | CS28 | EuMA/EurAAP Session: From Radiating Section to Digital Interface - Research and Design Trends for an End-To-End Approach of Highly Integrated Active Antenna Systems | T02 Millimetre wave 5G / Convened Session / Antennas |
| Mannocchi, Giovanni | 17 Mar 2020 | 10:40 | 11:00 | Active Antennas for Earth Observation Missions in Thales Alenia Space Italia | B5 | CS01 | Active Antennas for Onboard Space Applications | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Manohar, Vignesh | 16 Mar 2020 | 13:30 | 13:50 | Beam Steerable Reflectarray Enabling CubeSat Internet of Space: Conceptualization and Design | A2 | CS02 | Advanced Antenna Arrays for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Antennas |
| Manohar, Vignesh | 19 Mar 2020 | 08:30 | 08:50 | The Amazing History of Reflector Antennas: From Hertz to Modern CubeSats and Beyond | B11 | BC/3 | History of Electromagnetism 3 | T13 Bicentennial Session / Electromagnetics |
| Manohar, Vignesh | 19 Mar 2020 | 18:00 | 18:20 | An In-Depth Understanding of Salient Features of Antenna Near-Field Measurements Through Full Wave Simulations | B10 | CS48 | Novel Antenna Measurement Data Analysis and Techniques | T11 Fundamental research and emerging technologies / Convened Session / Measurements |
| Manshari, Saeed | 16 Mar 2020 | 17:00 | 17:20 | High-Performance Wideband Horn Antenna for Direction Finding Arrays | B4 | T07-A17 | Multiband, wideband and array antennas | T07 Defence and security / Regular Session / Antennas |
| Mansour, Ali | 18 Mar 2020 | 08:30 | 08:50 | VoglerNet: Multiple Knife-Edge Diffraction Using Deep Neural Network | B10 | T11-P02/2 | Machine Learning in Radio Propagation | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Mansutti, Giulia | 16 Mar 2020 | 14:10 | 14:30 | A Learning-by-Examples Method for Rapid Estimation of Surface Currents in Microstrip Antenna Arrays | B9 | CS64 | Trends and Advances in Machine Learning for Applied Electromagnetics | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Mansutti, Giulia | 17 Mar 2020 | 13:20 | 13:20 | Modeling of a Realistic Hybrid Metal-Plasma Transmit-array with Beam-scanning Capabilities | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |

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|------------------------|-------------|-------|-------|---|------------------|------------------------|---|--|
| Mansutti, Giulia | 18 Mar 2020 | 11:00 | 11:20 | Advanced Teaching in Electromagnetics at the ELEDIA Research Center | B4 | CS26 | Education in Electromagnetics, Antennas, and Microwaves | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Manteuffel, Dirk | 17 Mar 2020 | 11:40 | 12:00 | Performance Investigation of a Handset Antenna Using a C-tuner for Aperture Tuning | B2 | CS16 | Antennas in IoT Wireless Devices: Modelling and Industrial Considerations | T04 IoT and M2M / Convened Session / Antennas |
| Manteuffel, Dirk | 18 Mar 2020 | 11:00 | 11:20 | Systematic Design Method for Asymmetric Multiport Antennas Based on Characteristic Modes | B1 | CS45 | New Perspectives and Applications of Characteristic Mode Analysis in Antenna Design | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Manteuffel, Dirk | 18 Mar 2020 | 11:40 | 12:00 | Evaluation of Surface Equivalence for On-Body Propagation Modelling of Hearing Aid Antennas | B2 | CS62 | Small Antenna in a Human Body Environment | T04 IoT and M2M / Convened Session / Antennas |
| Mao, Chun-Xu | 16 Mar 2020 | 16:00 | 16:20 | Integrated Design of Dual-Band Antenna with Uni-/Omni-Directional Radiations | B2 | T04-A08 | IoT antennas | T04 IoT and M2M / Regular Session / Antennas |
| Mao, Kai | 17 Mar 2020 | 13:20 | 13:20 | A Novel 3D Beam Training Strategy for mmWave UAV Communications | Exhibition Hall | Poster1-P03 | Poster Session 1: Channel sounding and parameter estimation techniques | Propagation |
| Marahrens, Sören | 16 Mar 2020 | 16:00 | 16:20 | Dual-Polarized Dielectric Resonator Antenna Array for 5G Mobile Radio Base Stations | A2 | T02-A04/1 | Millimetre wave arrays for mobile communications | T02 Millimetre wave 5G / Regular Session / Antennas |
| Marahrens, Sören | 17 Mar 2020 | 13:20 | 13:20 | In-Antenna Power Combining for Highly-Integrated Millimeter-Wave Transmitters | A2 (Poster Area) | Convened Poster 1-CS17 | Antennas with Multi-Port/Distributed Feeding and On-Antenna Power-Combining for Efficient Integration and Reconfigurability | T02 Millimetre wave 5G / Convened Session / Antennas |
| Marahrens, Sören | 18 Mar 2020 | 13:20 | 13:20 | Broadband Dual-Polarized Stacked Microstrip Antenna with Pin-And Edge-Feed for 5G Applications in Ka-Band | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Marahrens, Sören | 18 Mar 2020 | 13:20 | 13:20 | Circular-Polarization Mushroom EBG Antenna Module for 122 GHz Monostatic Radar Sensor in LTCC Technology | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Marantis, Leonidas | 19 Mar 2020 | 13:20 | 13:20 | Spherical Harmonic Theory Investigations for Spherical Antenna Arrays | Exhibition Hall | Poster3-A06 | Poster Session 3: Conformal antennas | Antennas |
| Marcantonio, Davide | 16 Mar 2020 | 17:40 | 18:00 | Real-Time Three-Dimensional Electrical Impedance Tomography of the Human Chest | B8 | T05-E05 | Microwave imaging | T05 Biomedical and health / Regular Session / Electromagnetics |
| Marcantonio, Davide | 18 Mar 2020 | 11:00 | 11:20 | Advanced Teaching in Electromagnetics at the ELEDIA Research Center | B4 | CS26 | Education in Electromagnetics, Antennas, and Microwaves | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Marchetti, Matteo | 17 Mar 2020 | 12:00 | 12:20 | Performance Trends at 26 GHz for a Receiving Ground Station at Polar Latitudes: The SNOWBEAR Project | B8 | T09-P08 | Satellite propagation | T09 Space (incl. cubesat) / Regular Session / Propagation |
| Marchetti, Matteo | 17 Mar 2020 | 13:20 | 13:20 | Upgrade to the K-band Uplink Channel for the ESA Deep Space Antennas: Analysis of the Optics and Preliminary Dichroic Mirror Design | Exhibition Hall | Poster1-A18 | Poster Session 1: Reflector, feed systems, and components | Antennas |
| Marciniak, Marian | 19 Mar 2020 | 10:40 | 11:00 | GPR Probing of Smoothly Layered Subsurface Medium: 3D Analytical Model | B9 | T10-E05/1 | Electromagnetic Methods for Direct and Inverse Scattering Involving Stratified Media | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Marek, Damian | 17 Mar 2020 | 11:20 | 11:40 | An Efficient Parallelization Strategy for the Adaptive Integral Method Based on Graph Partitioning | B11 | T10-E03/1 | Computational and numerical techniques 1 | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Marhbaie, Sina | 19 Mar 2020 | 13:20 | 13:20 | A Bird-Cage Coil for MRI Studies of Unsaturated Granular Materials | Exhibition Hall | Poster3-A23 | Poster Session 3: Other antenna topics | Antennas |
| Mariam, Houssein | 20 Mar 2020 | 12:00 | 12:20 | Dielectric Spectroscopy Characterization Within a Microfluidic Device Based on Open-Ended Coplanar Waveguide | B5 | T11-M01 | Material characterisation and non-destructive testing | T11 Fundamental research and emerging technologies / Regular Session / Measurements |
| Mariani, Viviana | 18 Mar 2020 | 13:20 | 13:20 | Multiband Patch Antenna Design for RF Energy Harvesting Applications Using Coyote Optimization Algorithm | A2 (Poster Area) | Convened Poster 2-CS61 | Signal Processing Techniques for Advanced Electromagnetics Synthesis, Analysis, and Measurements | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Marin, Carlo | 17 Mar 2020 | 13:20 | 13:20 | Identification of Multi-Temporal Snow Melting Patterns with Microwave Radars | A2 (Poster Area) | Convened Poster 1-CS08 | Analysis, Design and Use of Microwave Techniques, Models, Systems, and Antennas for Snowpack Avalanches Monitoring | T08 Positioning, localization & tracking / Convened Session / Propagation |
| Marini, Angelica Viola | 18 Mar 2020 | 13:20 | 13:20 | Latest Developments on Non-linear and Time-varying Metasurfaces and Topological Antennas | A2 (Poster Area) | Convened Poster 2-CS50 | Novel Wave Phenomena in Metamaterials and Metasurfaces Applied to Antennas and Propagation | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Marini, Angelica Viola | 19 Mar 2020 | 13:20 | 13:20 | Scattering-free Energy Storage in Open Cavities Bounded by Metasurfaces | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Marini, Angelica Viola | 20 Mar 2020 | 09:10 | 09:30 | Perfect Matching of Reactive-Loaded Transmission Lines Through Complex Excitation | B4 | T11-E06 | Scattering and diffraction | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Marinovic, Tomislav | 18 Mar 2020 | 09:50 | 10:10 | A Multi-Functional Compact Button Antenna for Wearable Applications | B2 | CS62 | Small Antenna in a Human Body Environment | T04 IoT and M2M / Convened Session / Antennas |
| Markvart, Aleksandr | 17 Mar 2020 | 17:20 | 17:40 | Water-assisted Metasurface for Wireless Power Transfer | B4 | CS67 | Water-Based Microwave Devices | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Marnat, Loic | 17 Mar 2020 | 13:20 | 13:20 | Highly Integrable High Gain Substrate-integrated Planar Lens for Wide D-band Applications | Exhibition Hall | Poster1-A09 | Poster Session 1: Lens antennas | Antennas |
| Marote Alvarez, David | 18 Mar 2020 | 08:50 | 09:10 | Design of Ka-band Reflectarray Antennas for High Resolution SAR Instrument | A2 | T09-A19 | Reflect arrays and transmit arrays | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Marrocco, Gaetano | 17 Mar 2020 | 17:40 | 18:00 | Performances of a 3.6 GHz Epidermal Loop for Future 5G-RFID Communications | B2 | T04-A15 | RFID and backscattering antennas | T04 IoT and M2M / Regular Session / Antennas |

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| Marrocco, Gaetano | 17 Mar 2020 | 18:00 | 18:20 | Monolithic Antenna Array for Epidermal 5G Backscattering Communications | B2 | T04-A15 | RFID and backscattering antennas | T04 IoT and M2M / Regular Session / Antennas |
| Marrocco, Gaetano | 19 Mar 2020 | 16:40 | 17:00 | Multipip RFID Epidermal Sensor for Body Temperature Monitoring | B6 | T05-A12/3 | Body area antennas and sensor systems | T05 Biomedical and health / Regular Session / Antennas |
| Martellucci, Antonio | 17 Mar 2020 | 13:20 | 13:20 | ITALSAT Ka, Q and V Band Cross Polar Discrimination Statistics Measured in Spino d'Adda, Italy | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Martellucci, Antonio | 19 Mar 2020 | 17:40 | 18:00 | The MEKAP Project: Measuring Tropospheric Impairments at Ka Band with MEO Satellites | B8 | T09-P13 | Propagation Aspects in Remote Sensing | T09 Space (incl. cubesat) / Regular Session / Propagation |
| Martens, Luc | 16 Mar 2020 | 13:50 | 14:10 | Multilayer Ultra-Miniature Loop Antenna for Insertable Pill Application | B6 | T05-A12/1 | Wearable and implantable antennas | T05 Biomedical and health / Regular Session / Antennas |
| Martens, Luc | 16 Mar 2020 | 14:30 | 14:50 | Phase-based Variant Maximum Likelihood Positioning for Passive UHF-RFID Tags | B5 | T08-A17 | Antennas and techniques for positioning and direction finding | T08 Positioning, localization & tracking / Regular Session / Antennas |
| Martens, Luc | 17 Mar 2020 | 13:20 | 13:20 | Combined Antenna-Channel Characterization for Wireless Communication from Horse Hoof to Base Station | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Martens, Luc | 18 Mar 2020 | 13:20 | 13:20 | Optimal Frequency of Operation and Radiation Efficiency Limitations of Implantable Antennas | A2 (Poster Area) | Convened Poster 2-CS14 | Antennas for Harsh Environment | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Martens, Luc | 18 Mar 2020 | 13:20 | 13:20 | Estimation of the Number of Persons in a Reverberant Environment Using Bistatic Radar | Exhibition Hall | Poster2-P12 | Poster Session 2: Radar, localisation, and sensing | Propagation |
| Martens, Luc | 20 Mar 2020 | 09:30 | 09:50 | Joint Antenna-Channel Modelling for in-to-out-Body Propagation of Dairy Cows at 868 MHz | B11 | CS20 | Assessment and Modeling of Antennas and Radio Channels Jointly | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Martens, Luc | 20 Mar 2020 | 11:40 | 12:00 | Massive Radio Channel Sounder Architecture for 5G Mobility Scenarios: MaMIMOSA | B11 | CS20 | Assessment and Modeling of Antennas and Radio Channels Jointly | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Martín, Víctor | 19 Mar 2020 | 09:50 | 10:10 | Toward Extremely Scalable IE-DDM for Distributed Computing | B8 | CS30 | Fundamental Challenges and Novel Methodologies in the Next-Generation Computational Electromagnetics | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Martina, Manuel | 18 Mar 2020 | 09:10 | 09:30 | A Capacitively Coupled Patch Antenna Array for an Enlarged Bandwidth at 77 GHz | B7 | T06-A17 | Automotive antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Martin-Anton, Sergio | 19 Mar 2020 | 08:30 | 08:50 | Dual-Band Array of Cross-Polarized Vivaldi Antennas for 5G Applications | A2 | T01-A11 | Multiband and wideband antennas | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Martinez Martinez, David | 20 Mar 2020 | 11:20 | 11:40 | Optimal Bounds and Matching Networks of Fixed Degree and for Frequency Varying Impedances | B10 | CS11 | Antenna Design and Fundamental Bounds with External Constraints | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Martínez Rodríguez-Osorio, Ramón | 17 Mar 2020 | 13:20 | 13:20 | Tunable Dichroic Cell for Multi-band Reflector Antenna System | Exhibition Hall | Poster1-A18 | Poster Session 1: Reflector, feed systems, and components | Antennas |
| Martínez, Marc | 17 Mar 2020 | 17:20 | 17:40 | Effect of Bending on a Textile UHF-RFID Tag Antenna | B2 | T04-A15 | RFID and backscattering antennas | T04 IoT and M2M / Regular Session / Antennas |
| Martínez-de-Rioja, Daniel | 18 Mar 2020 | 09:10 | 09:30 | Preliminary Simulations of a 1.8-M Parabolic Reflectarray in a Geostationary Satellite to Generate a Complete Multi-Spot Coverage for Tx | A2 | T09-A19 | Reflect arrays and transmit arrays | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Martínez-de-Rioja, Daniel | 18 Mar 2020 | 10:40 | 11:00 | Bandwidth Improvement of Reflectarray Cells Using Variable Rotation Technique at Two Frequencies for Dual Circular Polarization | A2 | T09-A19 | Reflect arrays and transmit arrays | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Martínez-de-Rioja, Eduardo | 18 Mar 2020 | 10:40 | 11:00 | Bandwidth Improvement of Reflectarray Cells Using Variable Rotation Technique at Two Frequencies for Dual Circular Polarization | A2 | T09-A19 | Reflect arrays and transmit arrays | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Martínez-de-Rioja, Eduardo | 18 Mar 2020 | 11:00 | 11:20 | Design of a Wideband Linear-to-Circular Polarizing Reflector for Ka-band Satellite Applications | A2 | T09-A19 | Reflect arrays and transmit arrays | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Martínez-Ingles, María-Teresa | 17 Mar 2020 | 13:20 | 13:20 | Experimental Study of Dispersion/Attenuation by Trees from 1 to 40 GHz | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Martínez-Ingles, María-Teresa | 17 Mar 2020 | 13:20 | 13:20 | Transmission Loss Evaluation for Fabry-Perot Materials' Characterization | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Martini, Enrica | 16 Mar 2020 | 17:20 | 17:40 | Investigation of Surface Waves on Anisotropic Self-Complementary Metasurfaces | B10 | CS24 | Controlling EM Waves with Low- and High-Dimensional Metamaterials | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Martini, Enrica | 17 Mar 2020 | 11:40 | 12:00 | Robust Homogenized Impedance Model for Periodically Modulated Metasurfaces | B9 | CS09 | Analytical and Numerical Methods for Metasurface Analysis and Design | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Martini, Enrica | 17 Mar 2020 | 17:20 | 17:40 | Reconfigurable Metasurface Antenna for 5G Base Stations | B5 | CS28 | EuMA/EurAAP Session: From Radiating Section to Digital Interface - Research and Design Trends for an End-To-End Approach of Highly Integrated Active Antenna Systems | T02 Millimetre wave 5G / Convened Session / Antennas |
| Martini, Enrica | 17 Mar 2020 | 18:00 | 18:20 | Liquid Crystal-based Reconfigurable Metasurface for Beam Scanning at Millimeter Wave Frequencies | A3 | CS56 | Recent Advances on Electronically Steerable Antenna Arrays at mm-Wave Frequencies | T02 Millimetre wave 5G / Convened Session / Antennas |
| Martini, Enrica | 18 Mar 2020 | 13:20 | 13:20 | Recent Advances on Modulated Metasurface Antennas for SatCom | A2 (Poster Area) | Convened Poster 2-CS41 | Metasurfaces for Mobile (5G and Beyond) and Satellite Communication Systems | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Martini, Enrica | 19 Mar 2020 | 11:00 | 11:20 | Controlling Dual Polarization with Metasurface Leakage | B2 | CS46 | New Trends in Leaky Wave Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Martini, Enrica | 20 Mar 2020 | 09:10 | 09:30 | Gaussian Horn Implemented by Metasurfaces | B1 | CS33 | IET Session: New Antenna Systems Involving Application of Metamaterials and Metasurfaces | T11 Fundamental research and emerging technologies / Convened Session / Antennas |

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| Martín-Sacristán, David | 17 Mar 2020 | 11:40 | 12:00 | Channel Modelling Based on Game Engines Light Physics for mmW in Indoor Scenarios | A3 | CS35 | IET/IRACON Session: Propagation Measurements and Modelling for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Marzano, Frank S. | 17 Mar 2020 | 13:20 | 13:20 | Satellite Link-Budget Statistical Prediction from Weather Forecast Models: Verification with Hayabusa-2 Ka-band Data | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Marzano, Frank S. | 19 Mar 2020 | 17:40 | 18:00 | The MEKaP Project: Measuring Tropospheric Impairments at Ka Band with MEO Satellites | B8 | T09-P13 | Propagation Aspects in Remote Sensing | T09 Space (incl. cubesat) / Regular Session / Propagation |
| Marziani, Augusto | 19 Mar 2020 | 17:40 | 18:00 | The MEKaP Project: Measuring Tropospheric Impairments at Ka Band with MEO Satellites | B8 | T09-P13 | Propagation Aspects in Remote Sensing | T09 Space (incl. cubesat) / Regular Session / Propagation |
| Masa-Campos, Jose Luis | 17 Mar 2020 | 13:20 | 13:20 | Ka-band Multi-beam Planar Lens Antenna for 5G Applications | Exhibition Hall | Poster1-A09 | Poster Session 1: Lens antennas | Antennas |
| Masa-Campos, Jose Luis | 18 Mar 2020 | 13:20 | 13:20 | Dual Circularly Polarized Waveguide Array Antenna Formed by Full-Metallic Bow-tie Radiating Cavities | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Mascali, David | 17 Mar 2020 | 13:20 | 13:20 | Antenna Design for RF Ion Heating of Anisotropic Magnetized Plasma | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Mascali, David | 18 Mar 2020 | 12:00 | 12:20 | Microwave Imaging Profilometry for Plasma Diagnostics | B9 | CS66 | Unconventional Techniques and Applications for Inverse Scattering Problems | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Masek, Michal | 18 Mar 2020 | 13:20 | 13:20 | Feeding Positions Providing the Lowest TARC of Uncorrelated Channels | Exhibition Hall | Poster2-E03 | Poster Session 2: Computational and numerical techniques | Electromagnetics |
| Masini, Barbara M | 17 Mar 2020 | 08:50 | 09:10 | A Hardware-in-the-Loop Evaluation of the Impact of the V2X Channel on the Traffic-Safety Versus Efficiency Trade-offs | A3 | CS35 | IET/IRACON Session: Propagation Measurements and Modelling for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Maslennikov, Roman | 19 Mar 2020 | 17:20 | 17:40 | Wideband Dual-polarized Antenna for Wi-Fi Communication Networks | B1 | T03-A11 | Antennas for WLAN Applications | T03 Wireless LANs / Regular Session / Antennas |
| Masotti, Diego | 20 Mar 2020 | 11:20 | 11:40 | Highly-Reconfigurable Time-based Radiating Systems and Their Optimization | A3 | CS37 | IRACON Spectrum Sharing: Challenges and Opportunities for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Masouridis, Marios | 17 Mar 2020 | 13:20 | 13:20 | Design and Implementation of Solenoid and Alderman-Grant Coils for Magnetic Resonance Microscopy at 7T | A2 (Poster Area) | Convened Poster 1-CS27 | Electromagnetics in MRI Applications | T05 Biomedical and health / Convened Session / Electromagnetics |
| Massa, Andrea | 16 Mar 2020 | 16:00 | 16:20 | Robust Multi-Resolution Microwave Imaging Through an Over-Constrained Approach | B8 | T05-E05 | Microwave imaging | T05 Biomedical and health / Regular Session / Electromagnetics |
| Massa, Andrea | 17 Mar 2020 | 13:20 | 13:20 | From "Hostile" to "Nice" Environment in Communication and Sensing | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Massa, Andrea | 17 Mar 2020 | 13:20 | 13:20 | Tiled Arrays: Low Cost Solutions for Next Generation Communication and Sensing Systems | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Massa, Andrea | 17 Mar 2020 | 13:20 | 13:20 | A Novel Probabilistic Interval Arithmetic Method for Tolerance Analysis of Phased Arrays Beamforming Networks | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Massa, Andrea | 18 Mar 2020 | 11:00 | 11:20 | Advanced Teaching in Electromagnetics at the ELEDIA Research Center | B4 | CS26 | Education in Electromagnetics, Antennas, and Microwaves | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Massa, Andrea | 18 Mar 2020 | 13:20 | 13:20 | Dielectric Rectangular Lens for Antenna Array Scanloss Mitigation | A2 (Poster Area) | Convened Poster 2-CS50 | Novel Wave Phenomena in Metamaterials and Metasurfaces Applied to Antennas and Propagation | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Massa, Andrea | 19 Mar 2020 | 08:30 | 08:50 | Towards Joint Sensing and Communication for 5G and Beyond Systems | B5 | CS25 | Convergence of Mobile Radio and Radar | T08 Positioning, localization & tracking / Convened Session / Propagation |
| Massa, Andrea | 19 Mar 2020 | 11:20 | 11:40 | Multi-Resolution Through-the-Wall Microwave Imaging of Strong Scatterers | B9 | T10-E05/1 | Electromagnetic Methods for Direct and Inverse Scattering Involving Stratified Media | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Massaccesi, Andrea | 16 Mar 2020 | 14:50 | 15:10 | SNO Optimization Technique Applied to Reflectarray Antennas Design | B9 | CS64 | Trends and Advances in Machine Learning for Applied Electromagnetics | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Massaccesi, Andrea | 18 Mar 2020 | 11:40 | 12:00 | Perforated Dielectric Reflectarray in Ka-band | A2 | T09-A19 | Reflect arrays and transmit arrays | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Massaloux, Pierre | 17 Mar 2020 | 13:20 | 13:20 | A Novel Indoor and Outdoor Drone-Based Antenna and RCS Measurement Facility | Exhibition Hall | Poster1-M03 | Poster Session 1: Near-field, far-field, compact and RCS range measurement techniques | Measurements |
| Masui, Yoshihiro | 19 Mar 2020 | 13:20 | 13:20 | Single-Chip Impulse-Radar Integrated Circuits for Microwave-Imaging | Exhibition Hall | Poster3-A16 | Poster Session 3: UWB antennas and time-domain techniques | Antennas |
| Mateos, Rosa | 17 Mar 2020 | 11:20 | 11:40 | Embedded Antennas in Cellular IoT Platforms | B2 | CS16 | Antennas in IoT Wireless Devices: Modelling and Industrial Considerations | T04 IoT and M2M / Convened Session / Antennas |
| Matera, Rocco | 17 Mar 2020 | 13:20 | 13:20 | Design of Distributed Spiral Resonators for the Decoupling of MRI Array Coils | A2 (Poster Area) | Convened Poster 1-CS27 | Electromagnetics in MRI Applications | T05 Biomedical and health / Convened Session / Electromagnetics |
| Mathiesen, Terje | 17 Mar 2020 | 13:20 | 13:20 | A Bandwidth Scalable Millimetre Wave Over-The-Air Test System with Low Complexity | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Mathur, Phalguni | 17 Mar 2020 | 13:20 | 13:20 | Yagi-Uda-Inspired Pattern Reconfigurable MIMO Antenna with Suppressed Harmonics and Minimum Parasitic Presence for WLAN Applications | Exhibition Hall | Poster1-A22 | Poster Session 1: MIMO, diversity, smart antennas & signal processing | Antennas |
| Matijašić, Marko | 17 Mar 2020 | 13:20 | 13:20 | Window-to-Polynomial Transform and Its Application in Antenna Array Design | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |

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| Matinmikko-Blue, Marja | 20 Mar 2020 | 09:30 | 09:50 | Assessing the Feasibility of the Spectrum Sharing Concepts for Private Industrial Networks Operating Above 5 GHz | A3 | CS37 | IRACON Spectrum Sharing: Challenges and Opportunities for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Matolak, David W | 18 Mar 2020 | 13:20 | 13:20 | In-Stationary Tapped Delay Line Channel Modeling and Simulation | Exhibition Hall | Poster2-P09 | Poster Session 2: Propagation for vehicular communications | Propagation |
| Matolak, David W | 19 Mar 2020 | 09:30 | 09:50 | Performance of 5G Terrestrial Network Deployments for Serving UAV Communications | B7 | T06-P09 | Propagation for Unmanned Aerial Vehicles (UAVs) | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Propagation |
| Matos, João | 16 Mar 2020 | 17:00 | 17:20 | Inexpensive 3D-Printed Radiating Horns for Customary Things in IoT Scenarios | B2 | T04-A08 | IoT antennas | T04 IoT and M2M / Regular Session / Antennas |
| Matos, João | 17 Mar 2020 | 18:00 | 18:20 | Reconfigurable Filtenna for 5G/LEO Constellations Mobile Terminals | B1 | CS58 | Reconfigurable Antennas for Compact Devices | T04 IoT and M2M / Convened Session / Antennas |
| Matos, Sergio | 17 Mar 2020 | 13:20 | 13:20 | Equivalent Dielectric Description of Transmit-arrays as an Efficient and Accurate Method of Analysis | Exhibition Hall | Poster1-A19 | Poster Session 1: Reflect arrays and transmit arrays | Antennas |
| Matos, Sergio | 18 Mar 2020 | 13:20 | 13:20 | Transmit-array Antenna Design for Broadband Backhaul 5G Communications at WiGIG Band | A2 (Poster Area) | Convened Poster 2-CS36 | Innovative Lens Antennas for Future Communication Systems | T02 Millimetre wave 5G / Convened Session / Antennas |
| Matrone, Giulia | 17 Mar 2020 | 11:40 | 12:00 | Potentialities of Inverse Scattering Techniques for Breast Cancer Imaging at Millimeter-Waves Frequencies | B7 | SW02 | COST Session CA17115 (MyWAVE): Developments in Electromagnetic-Based Medical Technologies | T05 Biomedical and Health / Convened Session / Electromagnetics |
| Matsumaru, Tsuyoshi | 19 Mar 2020 | 13:20 | 13:20 | Single-Chip Impulse-Radar Integrated Circuits for Microwave-Imaging | Exhibition Hall | Poster3-A16 | Poster Session 3: UWB antennas and time-domain techniques | Antennas |
| Mattei, Jean-Luc | 17 Mar 2020 | 17:00 | 17:20 | Frequency Reconfigurable Antenna Loaded with Magneto Dielectric Materials at VHF Band | B1 | CS58 | Reconfigurable Antennas for Compact Devices | T04 IoT and M2M / Convened Session / Antennas |
| Matters-Kammerer, Marion | 17 Mar 2020 | 13:20 | 13:20 | High Power mm-Wave Spatial Power Combiner Employing On-Chip Isolation Resistors | A2 (Poster Area) | Convened Poster 1-CS17 | Antennas with Multi-Port/Distributed Feeding and On-Antenna Power-Combining for Efficient Integration and Reconfigurability | T02 Millimetre wave 5G / Convened Session / Antennas |
| Mattes, Michael | 17 Mar 2020 | 17:00 | 17:20 | Modeling of Quantum-Dot Elliptical Nanowire Single-Photon Sources | B11 | T10-E03/2 | Computational and numerical techniques 2 | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Matthews, Luke J K | 20 Mar 2020 | 11:40 | 12:00 | Time-Domain Modelling of Solid State RF Receiver Protection Systems | B9 | T10-P02 | Propagation modelling and simulation | T10 EM modelling and simulation tools / Regular Session / Propagation |
| Matthie, Sebastian | 17 Mar 2020 | 13:20 | 13:20 | A Three-Antenna Compact Micro-Diversity Module for Automotive Satellite Radio Reception | Exhibition Hall | Poster1-A22 | Poster Session 1: MIMO, diversity, smart antennas & signal processing | Antennas |
| Matthie, Sebastian | 19 Mar 2020 | 17:40 | 18:00 | A Testing Platform for Investigation of GNSS Antenna Diversity Systems | B5 | CS31 | GNSS Antennas and Systems for Challenged RF Environment | T08 Positioning, localization & tracking / Convened Session / Antennas |
| Mattsson, Viktor | 18 Mar 2020 | 13:20 | 13:20 | Neural Network Approach for Dielectric Characterization of Tissues in Microwave Frequencies Using Coplanar Waveguide Transmission | Exhibition Hall | Poster2-E03 | Poster Session 2: Computational and numerical techniques | Electromagnetics |
| Matzner, Haim | 17 Mar 2020 | 13:20 | 13:20 | Design and Simulation of a Dual Horn Antenna with Low Sidelobes and High Gain | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Matzner, Haim | 18 Mar 2020 | 13:20 | 13:20 | Approximating the Directivities of Antenna Elements and Arrays | Exhibition Hall | Poster2-A01 | Poster Session 2: Antenna theory | Antennas |
| Mauermayer, Raimund A. M. | 18 Mar 2020 | 10:40 | 11:00 | Versatile Low-Cost and Light-Weight RF Equipment for Field Measurements | B11 | T06-M10 | UAV-Based Antenna Measurements (AMTA) | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Measurements |
| Maune, Holger | 19 Mar 2020 | 18:00 | 18:20 | Fully Dielectric Phased Array for Beamsteering Using Liquid Crystal Technology at W-Band | A3 | CS49 | Novel Techniques for Beam Manipulation at Millimeter | T02 Millimetre wave 5G / Convened Session / Antennas |
| Mauro, Giorgio Sebastiano | 17 Mar 2020 | 13:20 | 13:20 | Antenna Design for RF Ion Heating of Anisotropic Magnetized Plasma | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Mauron, Stefan | 19 Mar 2020 | 10:40 | 11:00 | Penetration Loss into Train Wagons: Q-factor Measurements | B1 | T01-P02 | Propagation modelling and simulation | T01 LTE and Sub-6GHz 5G / Regular Session / Propagation |
| Maximidis, Ronis T. | 19 Mar 2020 | 13:20 | 13:20 | Design and Evaluation of a Radio-Interferometry Antenna for the REXUS 25 Sounding Rocket | Exhibition Hall | Poster3-A06 | Poster Session 3: Conformal antennas | Antennas |
| Maximidis, Ronis T. | 20 Mar 2020 | 12:00 | 12:20 | High-Gain Flat-Top Antenna Sub-Arrays for Planar Arrays with Limited Field of View | A2 | T01-A22 | MIMO, diversity, smart antennas & signal processing | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Mayer, Jonathan | 18 Mar 2020 | 09:10 | 09:30 | A Capacitively Coupled Patch Antenna Array for an Enlarged Bandwidth at 77 GHz | B7 | T06-A17 | Automotive antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Mazingue, Gautier | 18 Mar 2020 | 13:20 | 13:20 | 3D Printed Ceramic Antennas for Space Applications | A2 (Poster Area) | Convened Poster 2-CS14 | Antennas for Harsh Environment | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Mazzarella, Giuseppe | 16 Mar 2020 | 17:00 | 17:20 | Microwave Imaging of Cervical Myelopathy: A Preliminary Feasibility Assessment | B8 | T05-E05 | Microwave imaging | T05 Biomedical and health / Regular Session / Electromagnetics |
| Mazzarella, Giuseppe | 18 Mar 2020 | 13:20 | 13:20 | Application of MRI, fMRI and Cognitive Data for Alzheimer's Disease Detection | Exhibition Hall | Poster2-E05 | Poster Session 2: Imaging and inverse scattering | Electromagnetics |
| Mazzinghi, Agnese | 19 Mar 2020 | 13:20 | 13:20 | Rapid Analysis of Arbitrary-Shaped Conformal Beam-Scanning Arrays | Exhibition Hall | Poster3-A06 | Poster Session 3: Conformal antennas | Antennas |
| Mbugua, Allan | 17 Mar 2020 | 13:20 | 13:20 | Measured Millimeter-Wave Channels in Corridor Scenarios with Large-Scale Antenna Arrays | Exhibition Hall | Poster1-P03 | Poster Session 1: Channel sounding and parameter estimation techniques | Propagation |
| McClelland, Alan | 20 Mar 2020 | 11:00 | 11:20 | Evaluation of Aerosol Jet Printing of Frequency Selective Surface on Glass for Building and RF Applications | B1 | CS33 | IET Session: New Antenna Systems Involving Application of Metamaterials and Metasurfaces | T11 Fundamental research and emerging technologies / Convened Session / Antennas |

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| McDermott, Barry | 17 Mar 2020 | 09:50 | 10:10 | Monitoring Microwave Thermal Ablation Using Electrical Impedance Tomography: An Experimental Feasibility Study | B7 | SW02 | COST Session CA17115 (MyWAVE): Developments in Electromagnetic-Based Medical Technologies | T05 Biomedical and Health / Convened Session / Electromagnetics |
| McDermott, Barry | 20 Mar 2020 | 08:30 | 08:50 | Detailed Dielectric Characterisation of the Heart and Great Vessels | B6 | SW06 | H2020 Session ID764479 (EMERALD): Electromagnetic Imaging for a Novel Generation of Medical Devices | T05 Biomedical and health / Convened Session / Electromagnetics |
| McGhee, Jack | 16 Mar 2020 | 15:10 | 15:30 | Fabrication of Artificial Dielectrics via Stereolithography Based 3D-Printing | B11 | T11-E08 | Metamaterials, metasurfaces and advanced materials | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Mealy, Tarek | 16 Mar 2020 | 17:20 | 17:40 | Exceptional Points of Degeneracy in Electromagnetic Waveguides and the Role of Symmetries | B1 | SW04 | COST Session CA18223 (SyMat): Periodic Structures with Higher Symmetries | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Meaney, Paul M | 17 Mar 2020 | 09:50 | 10:10 | Integrating Nodal Adjoint Jacobian Method in the Discrete Dipole Approximation-based Image Reconstruction Algorithm | B6 | CS60 | Sensors and Systems for Microwave Biomedical Imaging and Sensing | T05 Biomedical and health / Convened Session / Antennas |
| Meaney, Paul M | 19 Mar 2020 | 08:30 | 08:50 | Handheld, Broadband Transmission-Based Probe - The Next Star Trek Tri-Corder | B6 | T05-A12/2 | Point of Care Microwave Sensors | T05 Biomedical and health / Regular Session / Antennas |
| Mecklenbräuker, Christoph F | 16 Mar 2020 | 13:30 | 13:50 | 60 GHz V2I Channel Variability for Different Elevation Angle Switching Strategies | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Mecklenbräuker, Christoph F | 17 Mar 2020 | 08:50 | 09:10 | A Hardware-in-the-Loop Evaluation of the Impact of the V2X Channel on the Traffic-Safety Versus Efficiency Trade-offs | A3 | CS35 | IET/IRACON Session: Propagation Measurements and Modelling for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Mecklenbräuker, Christoph F | 19 Mar 2020 | 11:40 | 12:00 | Accuracy Requirements for Cooperative Radar with Sensor Fusion | B5 | CS25 | Convergence of Mobile Radio and Radar | T08 Positioning, localization & tracking / Convened Session / Propagation |
| Medina, Francisco | 17 Mar 2020 | 09:10 | 09:30 | Derivation of Circuit Models Based on an Eigenvalue Problem for Periodic Surfaces with Multiple Resonances | B9 | CS09 | Analytical and Numerical Methods for Metasurface Analysis and Design | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Medina, Francisco | 19 Mar 2020 | 12:00 | 12:20 | Fast and Accurate Analysis of Multilayered Periodic Structures Used in the Design of Reflectarray and Metasurface Antennas | B8 | CS30 | Fundamental Challenges and Novel Methodologies in the Next-Generation Computational Electromagnetics | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Medrar, Kossaila | 17 Mar 2020 | 13:20 | 13:20 | Highly Integrable High Gain Substrate-integrated Planar Lens for Wide D-band Applications | Exhibition Hall | Poster1-A09 | Poster Session 1: Lens antennas | Antennas |
| Mehmood, Muhammad Qasim | 19 Mar 2020 | 09:50 | 10:10 | Space-Fractional Bessel Beams with Self-Healing and Diffraction-Free Propagation Characteristics | B4 | CS44 | Near-Field Focusing and Pulse Generation Through Localized Waves | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Mehta, Amit | 20 Mar 2020 | 08:50 | 09:10 | Circularly Polarized Concentric Metaring Antenna | B1 | CS33 | IET Session: New Antenna Systems Involving Application of Metamaterials and Metasurfaces | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Mei, Hui | 20 Mar 2020 | 09:50 | 10:10 | Implementation and Evaluation of Ray-Tracing Acceleration Methods in Wireless Communication | B9 | T10-P02 | Propagation modelling and simulation | T10 EM modelling and simulation tools / Regular Session / Propagation |
| Mei, Peng | 18 Mar 2020 | 13:20 | 13:20 | Retrieval of Effective Permittivity and Permeability of Periodic Structures on Dielectric and Magnetic Substrates | Exhibition Hall | Poster2-E07 | Poster Session 2: Frequency and polarization selective surfaces | Electromagnetics |
| Mei, Zhonglei | 17 Mar 2020 | 08:30 | 08:50 | Reconfigurable Terahertz Reflectarray Based on Graphene Radiating Patches | B1 | CS38 | ISAP Session: Recent Advances in Asian Antennas and Propagation Research | T02 Millimetre wave 5G / Convened Session / Antennas |
| Meincke, Peter | 18 Mar 2020 | 14:50 | 15:30 | Computational Electromagnetics in Space | A3 | IS-Wed 2/1 | Invited Speaker Session | Electromagnetics |
| Meincke, Peter | 19 Mar 2020 | 17:00 | 17:20 | Design of Advanced Reflectarrays for Future CubeSat Applications | B11 | SW05 | ESA Session: Selected Papers from the 40th ESA Workshop on Antenna Developments for Terrestrial and Small-Space Platforms | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Melchakova, Irina | 17 Mar 2020 | 11:20 | 11:40 | An Artificial Shield for MRI Birdcage Coil with Constructive Interference | B9 | CS09 | Analytical and Numerical Methods for Metasurface Analysis and Design | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Mellor, Christopher | 20 Mar 2020 | 11:40 | 12:00 | Time-Domain Modelling of Solid State RF Receiver Protection Systems | B9 | T10-P02 | Propagation modelling and simulation | T10 EM modelling and simulation tools / Regular Session / Propagation |
| Memeletzoglou, Nafsika | 18 Mar 2020 | 13:20 | 13:20 | Design of an Array of Stacked Groove Gap Waveguide Leaky-Wave Antennas in the Ka Band | Exhibition Hall | Poster2-A10 | Poster Session 2: Slotted-waveguide and leaky-wave antennas | Antennas |
| Menargues, Esteban | 16 Mar 2020 | 17:00 | 17:20 | Dual-band Polarizing Screen Based on Self-Supported Metallic Structures | B1 | SW04 | COST Session CA18223 (SyMat): Periodic Structures with Higher Symmetries | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Menargues, Esteban | 17 Mar 2020 | 09:30 | 09:50 | Additive Manufacturing: Enabling Technology for Active Antennas in LEO and GEO Satellites | B5 | CS01 | Active Antennas for Onboard Space Applications | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Menargues, Esteban | 19 Mar 2020 | 13:20 | 13:20 | A Conformal Spherical DRA for MEO Applications in Ka-band Realized with Additive Manufacturing | Exhibition Hall | Poster3-A21 | Poster Session 3: Additive manufacturing | Antennas |
| Menarini, Michele | 17 Mar 2020 | 08:50 | 09:10 | A Hardware-in-the-Loop Evaluation of the Impact of the V2X Channel on the Traffic-Safety Versus Efficiency Trade-offs | A3 | CS35 | IET/IRACON Session: Propagation Measurements and Modelling for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Mendivil, Edwin | 19 Mar 2020 | 13:20 | 13:20 | On the Measurement of Radiated Power for 5G Mobile Device with Spectrum Analyzer | Exhibition Hall | Poster3-M09 | Poster Session 3: MIMO and OTA testing | Measurements |
| Meng, Xiaomin | 20 Mar 2020 | 11:40 | 12:00 | Joint Statistics of Urban Clutter Loss and Building Entry Loss at 3.5 GHz and 27 GHz - From Measurement to Modelling | A3 | CS37 | IRACON Spectrum Sharing: Challenges and Opportunities for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Mennella, Aniello | 18 Mar 2020 | 11:00 | 11:20 | The Optical Combiner of QUBIC: The Q & U Bolometric Interferometer for Cosmology | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |

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|------------------------|-------------|-------|-------|---|------------------|------------------------|---|--|
| Mennella, Aniello | 18 Mar 2020 | 11:40 | 12:00 | A Drone-Mounted Q-Band Test-Source for the Validation of the Large Scale Polarization Explorer | B11 | T06-M10 | UAV-Based Antenna Measurements (AMTA) | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Measurements |
| Mesa, Francisco | 16 Mar 2020 | 14:50 | 15:10 | Prism-based Leaky-Lens Antennas at 60 GHz for 5G Point-to-Point Communication Links | B2 | CS21 | Challenges in Leaky Wave Antennas and Novel Approaches to Solve Them | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Mesa, Francisco | 16 Mar 2020 | 16:40 | 17:00 | Mode-matching Analysis of Loaded Transmission Lines with Twist Symmetries | B1 | SW04 | COST Session CA18223 (SyMat): Periodic Structures with Higher Symmetries | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Mesa, Francisco | 16 Mar 2020 | 17:40 | 18:00 | Propagation Characteristics in Substrate Integrated Holey Metasurfaces | B11 | T11-E08 | Metamaterials, metasurfaces and advanced materials | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Mesa, Francisco | 17 Mar 2020 | 09:10 | 09:30 | Derivation of Circuit Models Based on an Eigenvalue Problem for Periodic Surfaces with Multiple Resonances | B9 | CS09 | Analytical and Numerical Methods for Metasurface Analysis and Design | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Meschini, Alberto | 17 Mar 2020 | 10:40 | 11:00 | Active Antennas for Earth Observation Missions in Thales Alenia Space Italia | B5 | CS01 | Active Antennas for Onboard Space Applications | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Mestrom, Rob | 16 Mar 2020 | 17:20 | 17:40 | Electromagnetic Field Modeling for Wireless Power Transfer in Biological Tissue | B9 | CS43 | Near- and Far-Field Wireless Power Transfer | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Meurer, Michael | 19 Mar 2020 | 16:40 | 17:00 | Interference Mitigation for Robust Automotive Satellite Navigation Achieved with Compact Distributed Antenna Sub-Arrays | B5 | CS31 | GNSS Antennas and Systems for Challenged RF Environment | T08 Positioning, localization & tracking / Convened Session / Antennas |
| Meyer, Petrie | 17 Mar 2020 | 13:20 | 13:20 | Filter Design Considerations for an Integrated Doherty Power Amplifier - Antenna for Telecommunication Applications | A2 (Poster Area) | Convened Poster 1-CS17 | Antennas with Multi-Port/Distributed Feeding and On-Antenna Power-Combining for Efficient Integration and Reconfigurability | T02 Millimetre wave 5G / Convened Session / Antennas |
| Meyer, Petrie | 17 Mar 2020 | 13:20 | 13:20 | Improving Modal Purity in Quadriaxially Fed Quadruple-Ridged Flared Horn Antennas | Exhibition Hall | Poster1-A18 | Poster Session 1: Reflector, feed systems, and components | Antennas |
| Meyer, Petrie | 19 Mar 2020 | 12:00 | 12:20 | Locating Sources of Reflection Errors in an Anechoic Chamber by Creating an Error Surface Plot | B10 | CS07 | AMTA/EurAAP Session: Post Processing Techniques in Antenna Measurements | T11 Fundamental research and emerging technologies / Convened Session / Measurements |
| Mezghani, Amine | 19 Mar 2020 | 09:30 | 09:50 | A MIMO Joint Communication-Radar Measurement Platform at the Millimeter-Wave Band | B5 | CS25 | Convergence of Mobile Radio and Radar | T08 Positioning, localization & tracking / Convened Session / Propagation |
| Mezzavilla, Marco | 18 Mar 2020 | 13:20 | 13:20 | Characterizing 60 GHz Patch Antenna Segments for Fully Digital Transceiver | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Mhadhbi, Oumaima | 17 Mar 2020 | 13:20 | 13:20 | Acceleration of Physical Optics Interactions Using Inhomogeneous Plane Waves | A2 (Poster Area) | Convened Poster 1-CS57 | Recent Research on Wind Turbines: EM Modelling and Measurements | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Mi, Hang | 20 Mar 2020 | 09:50 | 10:10 | Implementation and Evaluation of Ray-Tracing Acceleration Methods in Wireless Communication | B9 | T10-P02 | Propagation modelling and simulation | T10 EM modelling and simulation tools / Regular Session / Propagation |
| Miah, Md | 17 Mar 2020 | 17:20 | 17:40 | Real-Time Demonstration of Antenna Effects on Emulated Wireless Capsule Endoscope Links | B6 | SW01 | COST Session CA15104 (IRACON): Measurements and Simulations in Channel Modelling in Wireless Body Area Networks | T05 Biomedical and health / Convened Session / Propagation |
| Miah, Md | 19 Mar 2020 | 17:40 | 18:00 | A Dual-band Repeater Antenna for On-Body Receiver Unit of Wireless Capsule Endoscope | B6 | T05-A12/3 | Body area antennas and sensor systems | T05 Biomedical and health / Regular Session / Antennas |
| Miao, Yang | 20 Mar 2020 | 11:20 | 11:40 | Simulation-based Investigation on Massive Multi-Antenna System as to Spatial Channel Hardening for Mobile Single User in a Controlled Multipath Environment | B9 | T10-P02 | Propagation modelling and simulation | T10 EM modelling and simulation tools / Regular Session / Propagation |
| Michalski, Krzysztof | 18 Mar 2020 | 08:50 | 09:10 | EM Modeling of Stratified Media: From Radio Propagation over Ground to THz Graphene Antennas | B11 | BC/2 | History of Electromagnetism 2 | T13 Bicentennial Session / Electromagnetics |
| Michel, Andrea | 19 Mar 2020 | 13:20 | 13:20 | Modified Yagi-Uda Reader Antenna for UHF RFID Smart-Glove | Exhibition Hall | Poster3-A15 | Poster Session 3: RFID antennas/sensors and systems | Antennas |
| Michie, Craig | 17 Mar 2020 | 09:50 | 10:10 | On Models and Approaches for Human Vital Signs Extraction from Short Range Radar Signals | B4 | T11-M02 | Radar scattering measurement and calibration techniques | T11 Fundamental research and emerging technologies / Regular Session / Measurements |
| Michielssen, Eric | 20 Mar 2020 | 09:50 | 10:10 | Design of Multilayer, Dualband Metasurface Reflectarrays | B8 | CS59 | Reconfigurable Reflectarray and Transmitarrays | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Migliore, Marco Donald | 18 Mar 2020 | 13:20 | 13:20 | Efficient and Effective Synthesis of Large Arrays for 5G and Beyond | A2 (Poster Area) | Convened Poster 2-CS61 | Signal Processing Techniques for Advanced Electromagnetics Synthesis, Analysis, and Measurements | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Migliore, Marco Donald | 18 Mar 2020 | 13:20 | 13:20 | Shannon and Kolmogorov in Space Communication Channels | A2 (Poster Area) | Convened Poster 2-CS61 | Signal Processing Techniques for Advanced Electromagnetics Synthesis, Analysis, and Measurements | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Migliozzi, Massimo | 19 Mar 2020 | 09:50 | 10:10 | AUT Far-Field Pattern Reconstruction from a Reduced Set of Spherical Near-Field Data Collected in Presence of an Infinite Perfectly Conducting Ground Plane | B10 | CS07 | AMTA/EurAAP Session: Post Processing Techniques in Antenna Measurements | T11 Fundamental research and emerging technologies / Convened Session / Measurements |
| Mihai, Ilie Valentin | 20 Mar 2020 | 08:50 | 09:10 | A Technique for Including Edge Diffraction Effects on RCS Evaluation at Fresnel Region Ranges | B4 | T11-E06 | Scattering and diffraction | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Mihalachi, Marius | 17 Mar 2020 | 13:20 | 13:20 | An Improved Forecast Method for the Interaction of Wind Turbines with Doppler VOR | A2 (Poster Area) | Convened Poster 1-CS57 | Recent Research on Wind Turbines: EM Modelling and Measurements | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Mihalachi, Marius | 18 Mar 2020 | 12:00 | 12:20 | Advanced Remote-Controlled Airborne Sensor Systems | B11 | T06-M10 | UAV-Based Antenna Measurements (AMTA) | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Measurements |
| Mikhailovskaya, Anna | 17 Mar 2020 | 18:00 | 18:20 | Dynamically Reconfigurable Metamaterial-Based Scatterer | B4 | CS67 | Water-Based Microwave Devices | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |

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|---------------------------|-------------|-------|-------|--|------------------|------------------------|--|--|
| Mikki, Said | 17 Mar 2020 | 17:00 | 17:20 | An Electromagnetic Framework for the Deployment of Reconfigurable Intelligent Surfaces to Control Massive MIMO Channel Characteristics | B10 | T11-P02/1 | Channel Modelling for Massive MIMO and Near-Field Communication Systems | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Mikki, Said | 18 Mar 2020 | 13:20 | 13:20 | Exact Derivation of the Radiation Law of Antennas Embedded into Generic Nonlocal Metamaterials: A Momentum-Space Approach | Exhibition Hall | Poster2-A01 | Poster Session 2: Antenna theory | Antennas |
| Mikki, Said | 19 Mar 2020 | 17:20 | 17:40 | Quantum Antenna Theory for Secure Wireless Communications | A2 | CS42 | Nano and Quantum Antennas | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Milani, Luca | 17 Mar 2020 | 13:20 | 13:20 | Satellite Link-Budget Statistical Prediction from Weather Forecast Models: Verification with Hayabusa-2 Ka-band Data | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Milgrom, Benjamin | 18 Mar 2020 | 13:20 | 13:20 | A Very Compact Implantable Antenna for Wireless Biotelemetry Applications in the MedRadio Band | Exhibition Hall | Poster2-A08 | Poster Session 2: Electrically small antennas | Antennas |
| Milosevic, Tomislav | 17 Mar 2020 | 11:00 | 11:20 | 3D EM Simulation Environment for Development, Testing, and Functioning of Internet of Things | B2 | CS16 | Antennas in IoT Wireless Devices: Modelling and Industrial Considerations | T04 IoT and M2M / Convened Session / Antennas |
| Milyavsky, Matthew | 19 Mar 2020 | 16:40 | 17:00 | Dual Polarized Dual Band Collocated Beam Switching Antennas for WLAN Applications | B1 | T03-A11 | Antennas for WLAN Applications | T03 Wireless LANs / Regular Session / Antennas |
| Min, Ming | 18 Mar 2020 | 09:50 | 10:10 | A Wideband Reflectarray Using Slotted Patch with Concave Arms | A2 | T09-A19 | Reflect arrays and transmit arrays | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Minatti, Gabriele | 17 Mar 2020 | 18:00 | 18:20 | Liquid Crystal-based Reconfigurable Metasurface for Beam Scanning at Millimeter Wave Frequencies | A3 | CS56 | Recent Advances on Electronically Steerable Antenna Arrays at mm-Wave Frequencies | T02 Millimetre wave 5G / Convened Session / Antennas |
| Minatti, Gabriele | 18 Mar 2020 | 13:20 | 13:20 | Recent Advances on Modulated Metasurface Antennas for SatCom | A2 (Poster Area) | Convened Poster 2-CS41 | Metasurfaces for Mobile (5G and Beyond) and Satellite Communication Systems | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Mioc, Francesca | 16 Mar 2020 | 14:50 | 15:10 | Experimental Comparison of Vehicular Antenna Measurements Performed over Different Floors | B7 | CS05 | AMTA Session: Automotive Antenna Measurements and Testing | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Convened Session / Measurements |
| Mioc, Francesca | 16 Mar 2020 | 16:00 | 16:20 | Experimental Validation of the Translated-SWE Technique Applied to Automotive Measurements over PEC-Floor at Arbitrary Height | B7 | T06-M03 | Near-field, far-field, compact and RCS range measurement techniques | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Measurements |
| Mioc, Francesca | 19 Mar 2020 | 10:40 | 11:00 | Diagnostics on Electrically Large Structures by a Nested Skeletonization Scheme Enhancement of the Equivalent Current Technique | B10 | CS07 | AMTA/EurAAP Session: Post Processing Techniques in Antenna Measurements | T11 Fundamental research and emerging technologies / Convened Session / Measurements |
| Mioc, Francesca | 19 Mar 2020 | 16:40 | 17:00 | Equivalent Source Technique Processing of Broadband Antenna Measurements | B10 | CS48 | Novel Antenna Measurement Data Analysis and Techniques | T11 Fundamental research and emerging technologies / Convened Session / Measurements |
| Mira Perez, Fermin | 17 Mar 2020 | 13:20 | 13:20 | A Low Cost Active Corner Reflector to Assist Snow Monitoring Through Sentinel/1 Images | A2 (Poster Area) | Convened Poster 1-CS08 | Analysis, Design and Use of Microwave Techniques, Models, Systems, and Antennas for Snowpack Avalanches Monitoring | T08 Positioning, localization & tracking / Convened Session / Propagation |
| Miranda, Felix | 17 Mar 2020 | 09:50 | 10:10 | Potential Applications of Active Antenna Technologies for Emerging NASA Space Communications Scenarios | B5 | CS01 | Active Antennas for Onboard Space Applications | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Mirmoosa, Mohammad Sajjad | 16 Mar 2020 | 16:00 | 16:20 | Complementary Metasurfaces for Waveguide Applications | B11 | T11-E08 | Metamaterials, metasurfaces and advanced materials | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Mirmoosa, Mohammad Sajjad | 18 Mar 2020 | 11:00 | 11:20 | Temporal Modulation of Bianisotropic Metasurfaces for Unidirectional Wave Amplification | B5 | CS47 | Non-Magnetic Nonreciprocity | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Mirzavand, Rashid | 17 Mar 2020 | 11:40 | 12:00 | Singularity Extraction of Electric-Field Integral Equations in Spherical Near-Field Antenna Measurement | B4 | T10-M10 | General Antenna Measurements | T10 EM modelling and simulation tools / Regular Session / Measurements |
| Misson, Michel | 19 Mar 2020 | 17:00 | 17:20 | Adapted Low-Footprint Biasing Circuit for Switched Beam Antenna Steering Usable in Wireless Sensor Networks | B1 | T03-A11 | Antennas for WLAN Applications | T03 Wireless LANs / Regular Session / Antennas |
| Mistry, Keyur | 17 Mar 2020 | 08:30 | 08:50 | Machine Learning-assisted Antenna Design Optimization: A Review and the State-of-the-art | B10 | CS39 | Machine Learning in Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Mitchell, Gregory A | 19 Mar 2020 | 13:20 | 13:20 | Simulation of Effective Medium Theory for Additive Manufacturing of Dielectric Media | Exhibition Hall | Poster3-A21 | Poster Session 3: Additive manufacturing | Antennas |
| Mitcheson, Paul | 16 Mar 2020 | 17:40 | 18:00 | 100 W 6.78 MHz Inductive Power Transfer System for Drones | B9 | CS43 | Near- and Far-Field Wireless Power Transfer | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Mitra, Debasis | 17 Mar 2020 | 17:00 | 17:20 | Wireless Power Transfer System Design in Reactive Near-Field for Implantable Devices | A2 | T04-A20 | Wireless power transfer and inductive coupling | T04 IoT and M2M / Regular Session / Antennas |
| Mitra, Debasis | 19 Mar 2020 | 10:40 | 11:00 | Low Profile Implantable Antenna for Fat Intra-Body Communication | B6 | T05-A12/2 | Point of Care Microwave Sensors | T05 Biomedical and health / Regular Session / Antennas |
| Mitrano, Cosmo | 19 Mar 2020 | 13:20 | 13:20 | Self-Sustained Biconical Antenna Realized in Additive Manufacturing Technology | Exhibition Hall | Poster3-A21 | Poster Session 3: Additive manufacturing | Antennas |
| Mittmann, Ulrich | 17 Mar 2020 | 13:20 | 13:20 | Precise 6D RTK Positioning System for UAV-based Near-Field Antenna Measurements | Exhibition Hall | Poster1-M03 | Poster Session 1: Near-field, far-field, compact and RCS range measurement techniques | Measurements |
| Mittra, Raj | 18 Mar 2020 | 13:20 | 13:20 | Quasi-Periodic Metasurfaces and Their Equivalent Dielectric Models | A2 (Poster Area) | Convened Poster 2-CS41 | Metasurfaces for Mobile (5G and Beyond) and Satellite Communication Systems | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Mittra, Raj | 19 Mar 2020 | 09:10 | 09:30 | A Brief History of Frequency-Independent and Not-so-Frequency-Independent Antennas | B11 | BC/3 | History of Electromagnetism 3 | T13 Bicentennial Session / Electromagnetics |

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|---------------------------------|-------------|-------|-------|--|-----------------|-------------|--|--|
| Mittra, Raj | 19 Mar 2020 | 11:40 | 12:00 | A Numerically Efficient Technique for the Analysis of Metamaterial- And Metasurface-based Antennas | B8 | CS30 | Fundamental Challenges and Novel Methodologies in the Next-Generation Computational Electromagnetics | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Mittra, Raj | 19 Mar 2020 | 17:40 | 18:00 | Wideband Fixed- And Scanned-Beam Millimeter Wave Antenna Arrays for 5G Applications | A3 | CS49 | Novel Techniques for Beam Manipulation at Millimeter | T02 Millimetre wave 5G / Convened Session / Antennas |
| Miyashita, Masayuki | 17 Mar 2020 | 11:20 | 11:40 | Antennas and Propagation Technologies of V2V Communications for Platooning | B1 | CS38 | ISAP Session: Recent Advances in Asian Antennas and Propagation Research | T02 Millimetre wave 5G / Convened Session / Antennas |
| Miyazaki, Hiromi | 19 Mar 2020 | 16:40 | 17:00 | Experimental Evaluation on TDOA-based Aircraft Position Verification | B7 | T06-P12 | Radar, localisation and sensing for aircraft and automotive applications | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Propagation |
| Miyazaki, Hiromi | 19 Mar 2020 | 17:00 | 17:20 | Measurements of Opportunistic Aircraft Signals and Verification of a Propagation Prediction Tool in Mountainous Region | B7 | T06-P12 | Radar, localisation and sensing for aircraft and automotive applications | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Propagation |
| Mizuno, Tomohide | 19 Mar 2020 | 13:20 | 13:20 | Transmit and Receive Module with a Fully-Digital Interface | Exhibition Hall | Poster3-A14 | Poster Session 3: Active and integrated antennas | Antennas |
| Mizzoni, Roberto | 17 Mar 2020 | 10:40 | 11:00 | Active Antennas for Earth Observation Missions in Thales Alenia Space Italia | B5 | CS01 | Active Antennas for Onboard Space Applications | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Mizzoni, Roberto | 17 Mar 2020 | 13:20 | 13:20 | C Band Self Diplexed Tx/Rx Feed System for Telecom | Exhibition Hall | Poster1-A18 | Poster Session 1: Reflector, feed systems, and components | Antennas |
| Moch, Roland | 17 Mar 2020 | 13:20 | 13:20 | Height Profiles of Typical Automotive Landmarks Using Tomographic Compact-Range Measurements | Exhibition Hall | Poster1-M03 | Poster Session 1: Near-field, far-field, compact and RCS range measurement techniques | Measurements |
| Modi, Juhi | 16 Mar 2020 | 17:20 | 17:40 | A Distinct Approach Exploiting Collapse Distribution Colligated with Genetic Algorithm for the Synthesis of Thinned Planar Antenna Arrays | B4 | T07-A17 | Multiband, wideband and array antennas | T07 Defence and security / Regular Session / Antennas |
| Moghaddam, Mahta | 16 Mar 2020 | 13:50 | 14:10 | A Comparison of Machine Learning Classifiers for Human Activity Recognition Using Magnetic Induction-based Motion Signals | B9 | CS64 | Trends and Advances in Machine Learning for Applied Electromagnetics | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Mohamed, Marshed | 20 Mar 2020 | 08:50 | 09:10 | Indoor Channel Estimation Using Single-Snapshot Wideband Measurement | B9 | T10-P02 | Propagation modelling and simulation | T10 EM modelling and simulation tools / Regular Session / Propagation |
| Mohd Yusoff, Mohd Fairus | 17 Mar 2020 | 09:10 | 09:30 | Single and Dual Beam Waveguide Slotted Antenna Using 3D Printing Technique for 5G Application | B1 | CS38 | ISAP Session: Recent Advances in Asian Antennas and Propagation Research | T02 Millimetre wave 5G / Convened Session / Antennas |
| Moilanen, Jani | 19 Mar 2020 | 12:00 | 12:20 | Analytic Propagation Approximation over Variable Terrain and Comparison to Data | B1 | T01-P02 | Propagation modelling and simulation | T01 LTE and Sub-6GHz 5G / Regular Session / Propagation |
| Mojabi, Puyan | 16 Mar 2020 | 16:40 | 17:00 | Enforcing Local Power Conservation for Metasurface Design Using Electromagnetic Inversion | B11 | T11-E08 | Metamaterials, metasurfaces and advanced materials | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Mojabi, Puyan | 18 Mar 2020 | 09:10 | 09:30 | A Phaseless Gauss-Newton Inversion Algorithm for Imaging and Design | B9 | CS66 | Unconventional Techniques and Applications for Inverse Scattering Problems | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Mokhupuki, Fahmi | 17 Mar 2020 | 18:00 | 18:20 | Investigations of Quadruple-Ridge Flared Horn Performance for ngVLA Band 2 | B8 | CS15 | Antennas for Radio Astronomy | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Molero, Carlos | 16 Mar 2020 | 17:00 | 17:20 | Dual-band Polarizing Screen Based on Self-Supported Metallic Structures | B1 | SW04 | COST Session CA18223 (SyMat): Periodic Structures with Higher Symmetries | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Molina, Rocío | 17 Mar 2020 | 13:20 | 13:20 | Design and Measurement of Possible Wide-band 67-116 GHz ALMA Vacuum Window Anti-reflection Layers | Exhibition Hall | Poster1-A18 | Poster Session 1: Reflector, feed systems, and components | Antennas |
| Molina-Garcia-Pardo, Jose-Maria | 17 Mar 2020 | 13:20 | 13:20 | Experimental Study of Dispersion/Attenuation by Trees from 1 to 40 GHz | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Molina-Garcia-Pardo, Jose-Maria | 17 Mar 2020 | 13:20 | 13:20 | Transmission Loss Evaluation for Fabry-Perot Materials' Characterization | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Molins-Benlliure, Jaime | 18 Mar 2020 | 13:20 | 13:20 | Effect of the Ground Plane in UHF Chip Antenna Efficiency | Exhibition Hall | Poster2-A08 | Poster Session 2: Electrically small antennas | Antennas |
| Molisch, Andreas | 16 Mar 2020 | 13:30 | 13:50 | 60 GHz V2I Channel Variability for Different Elevation Angle Switching Strategies | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Molisch, Andreas | 20 Mar 2020 | 08:30 | 08:50 | Channel Measurements and Path Loss Modeling for Indoor THz Communication | A3 | CS37 | IRACON Spectrum Sharing: Challenges and Opportunities for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Moll, Jochen | 17 Mar 2020 | 08:50 | 09:10 | Breast Cancer Imaging Using a 24 GHz Ultra-Wideband MIMO FMCW Radar: System Considerations and First Imaging Results | B6 | CS60 | Sensors and Systems for Microwave Biomedical Imaging and Sensing | T05 Biomedical and health / Convened Session / Antennas |
| Moll, Jochen | 17 Mar 2020 | 13:20 | 13:20 | A Numerical Study on Tomographic Imaging Using Guided Electromagnetic Waves | Exhibition Hall | Poster1-M01 | Poster Session 1: Material characterisation and non-destructive testing | Measurements |
| Moll, Jochen | 18 Mar 2020 | 13:20 | 13:20 | Experimental Results on Rain Detection at Ka-Band Based on Range-Doppler Signal Processing | Exhibition Hall | Poster2-P12 | Poster Session 2: Radar, localisation, and sensing | Propagation |
| Molnar, Goran | 17 Mar 2020 | 13:20 | 13:20 | Window-to-Polynomial Transform and Its Application in Antenna Array Design | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Moloney, Brian M. | 17 Mar 2020 | 11:00 | 11:20 | Pilot Patient Study with the Wavelia Microwave Breast Imaging System for Breast Cancer Detection: Clinical Feasibility and Identified Technical Challenges | B6 | CS60 | Sensors and Systems for Microwave Biomedical Imaging and Sensing | T05 Biomedical and health / Convened Session / Antennas |
| Moltchanov, Dmitri | 18 Mar 2020 | 13:20 | 13:20 | Measurements of Reflection and Penetration Losses in Low Terahertz Band Vehicular Communications | Exhibition Hall | Poster2-P09 | Poster Session 2: Propagation for vehicular communications | Propagation |

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| Monediere, Thierry | 18 Mar 2020 | 13:20 | 13:20 | Compact Circular Polarized Antenna for Multi-band Operation | Exhibition Hall | Poster2-A08 | Poster Session 2: Electrically small antennas | Antennas |
| Monje-Real, Alberto | 16 Mar 2020 | 13:50 | 14:10 | Holey Glide-Symmetric Waveguide Filters for 5G Communication Systems at Millimetre Wave Frequencies | B1 | SW04 | COST Session CA18223 (SyMat): Periodic Structures with Higher Symmetries | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Monni, Stefania | 20 Mar 2020 | 11:00 | 11:20 | Skewed Dipole Linear Array for Angular Filtering | B7 | T06-A11 | Aircraft antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Monorchio, Agostino | 17 Mar 2020 | 13:20 | 13:20 | Design of Distributed Spiral Resonators for the Decoupling of MRI Array Coils | A2 (Poster Area) | Convened Poster 1-CS27 | Electromagnetics in MRI Applications | T05 Biomedical and health / Convened Session / Electromagnetics |
| Monserrat, Jose F | 17 Mar 2020 | 11:40 | 12:00 | Channel Modelling Based on Game Engines Light Physics for mmW in Indoor Scenarios | A3 | CS35 | IET/IRACON Session: Propagation Measurements and Modelling for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Montagna, Maria | 17 Mar 2020 | 13:20 | 13:20 | Satellite Link-Budget Statistical Prediction from Weather Forecast Models: Verification with Hayabusa-2 Ka-band Data | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Montenegro Villaceros, Belen | 20 Mar 2020 | 12:00 | 12:20 | Building Entry Loss and Clutter Loss at 26 GHz | A3 | CS37 | IRACON Spectrum Sharing: Challenges and Opportunities for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Montero Bayo, Luca | 17 Mar 2020 | 16:40 | 17:00 | Study on Beamforming V2I Scenarios for Sub-6 GHz and mmWave Channels | B10 | T11-P02/1 | Channel Modelling for Massive MIMO and Near-Field Communication Systems | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Montesano, Antonio | 17 Mar 2020 | 11:00 | 11:20 | AIRBUS DS SPAIN Active Antennas for Earth Observation, Telecom, and Deep Space: Past and Future Challenges | B5 | CS01 | Active Antennas for Onboard Space Applications | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Montesano, Antonio | 17 Mar 2020 | 13:20 | 13:20 | New Hexagonal CORPS-BFN for Multibeam Antenna Applications | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Montesinos-Ortego, Ignacio | 17 Mar 2020 | 13:20 | 13:20 | K-band Feed and Transceiver with Compact Monopulse Tracking Coupler for Deep Space Applications | Exhibition Hall | Poster1-A18 | Poster Session 1: Reflector, feed systems, and components | Antennas |
| Monti, Alessio | 18 Mar 2020 | 13:20 | 13:20 | Latest Developments on Non-linear and Time-varying Metasurfaces and Topological Antennas | A2 (Poster Area) | Convened Poster 2-CS50 | Novel Wave Phenomena in Metamaterials and Metasurfaces Applied to Antennas and Propagation | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Montoya, Resti | 17 Mar 2020 | 08:30 | 08:50 | Dual-Polarized mm-Wave Antenna Solution for Mobile Phone | A2 | T02-A04/2 | Millimetre wave arrays for mobile terminals | T02 Millimetre wave 5G / Regular Session / Antennas |
| Monvoisin, Jean-Pascal | 17 Mar 2020 | 13:20 | 13:20 | Nine Years of Excess Attenuation Statistics of Earth-Space Propagation Experiments at Ka-Band in Toulouse, France | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Morabito, Andrea Francesco | 19 Mar 2020 | 10:40 | 11:00 | Towards 3-D Vector Intensity Focusing of near and Far Fields | B4 | CS44 | Near-Field Focusing and Pulse Generation Through Localized Waves | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Moradi, Gholamreza | 19 Mar 2020 | 13:20 | 13:20 | A Sectoral Conformal Array Antenna with an Improved Circular Polarized Patch for UHF Radiosonde Receivers | Exhibition Hall | Poster3-A13 | Poster Session 3: Adaptive and reconfigurable antennas | Antennas |
| Moradpour, Amin | 18 Mar 2020 | 09:10 | 09:30 | Fast Measurements of Dielectric Properties with Small Size Microwave Transceiver | B6 | SW03 | COST Session CA17115 (MyWAVE): Supporting Medical Device Development via Dielectric and Thermal Tissue Characterization | T05 Biomedical and health / Convened Session / Measurements |
| Moradpour, Amin | 20 Mar 2020 | 10:40 | 11:00 | Investigation of S-parameter Calibration Effects on Image Reconstruction in Microwave Imaging Systems | B6 | SW06 | H2020 Session ID764479 (EMERALD): Electromagnetic Imaging for a Novel Generation of Medical Devices | T05 Biomedical and health / Convened Session / Electromagnetics |
| Morais, Samuel | 19 Mar 2020 | 13:20 | 13:20 | Eco-Friendly Metamaterial Antenna for 2.4 GHz WLAN Applications | Exhibition Hall | Poster3-A23 | Poster Session 3: Other antenna topics | Antennas |
| Moraitis, Nektarios | 20 Mar 2020 | 08:30 | 08:50 | Frequency Selective EMF Measurements and Exposure Assessment in Indoor Office Environments | B2 | T05-M06 | Dosimetry, exposure, and SAR assessment | T05 Biomedical and health / Regular Session / Measurements |
| Mordehai, Maor | 18 Mar 2020 | 13:20 | 13:20 | Approximating the Directivities of Antenna Elements and Arrays | Exhibition Hall | Poster2-A01 | Poster Session 2: Antenna theory | Antennas |
| Moreno Montes, Alberto Jose | 18 Mar 2020 | 11:20 | 11:40 | Antenna for a Cranial Implant: Simulation Issues and Design Strategies | B2 | CS62 | Small Antenna in a Human Body Environment | T04 IoT and M2M / Convened Session / Antennas |
| Moreno, Juan | 16 Mar 2020 | 13:50 | 14:10 | Emulation of End-To-End Communications Systems in Railway Scenarios: Physical Layer Results | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Moreno, Juan | 17 Mar 2020 | 09:50 | 10:10 | Hybrid Channel Modeling for Intra-Wagon Communication in Millimeter-Wave Band | A3 | CS35 | IET/IRACON Session: Propagation Measurements and Modelling for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Moreno, Juan | 17 Mar 2020 | 10:40 | 11:00 | Experimental Characterization of the Underframe Area of a Passenger Train with an UWB Channel Sounder: Preliminary Results | A3 | CS35 | IET/IRACON Session: Propagation Measurements and Modelling for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Moreno-Peñarrubia, Alexia | 19 Mar 2020 | 13:20 | 13:20 | Ultrathin Zigzag Half-Wave Plate Metasurface with Near-Unity Axial Ratio and High Transmission Efficiency in Terahertz Range | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Morgado, Tiago | 16 Mar 2020 | 16:00 | 16:20 | Graphene Plasmonics with a Drift-Current Bias | B10 | CS24 | Controlling EM Waves with Low- and High-Dimensional Metamaterials | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Moriarty, Jacob | 16 Mar 2020 | 15:10 | 15:30 | Fabrication of Artificial Dielectrics via Stereolithography Based 3D-Printing | B11 | T11-E08 | Metamaterials, metasurfaces and advanced materials | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Morlaas, Christophe | 17 Mar 2020 | 13:20 | 13:20 | Validity Domain of the Oduaiya Expression for Computing the Conventional VOR Multipath Error | A2 (Poster Area) | Convened Poster 1-CS57 | Recent Research on Wind Turbines: EM Modelling and Measurements | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |

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| Morozov, Fedor | 19 Mar 2020 | 09:50 | 10:10 | Modeling Cylindrical Slot Antenna for Borehole GPR | B9 | T10-E05/1 | Electromagnetic Methods for Direct and Inverse Scattering Involving Stratified Media | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Morozov, Pavel | 19 Mar 2020 | 09:50 | 10:10 | Modeling Cylindrical Slot Antenna for Borehole GPR | B9 | T10-E05/1 | Electromagnetic Methods for Direct and Inverse Scattering Involving Stratified Media | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Morozov, Pavel | 19 Mar 2020 | 10:40 | 11:00 | GPR Probing of Smoothly Layered Subsurface Medium: 3D Analytical Model | B9 | T10-E05/1 | Electromagnetic Methods for Direct and Inverse Scattering Involving Stratified Media | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Mortessagne, Fabrice | 18 Mar 2020 | 13:20 | 13:20 | Intensity-only Imaging Using Broadband Correlations in Reverberation Chambers | Exhibition Hall | Poster2-P12 | Poster Session 2: Radar, localisation, and sensing | Propagation |
| Mortessagne, Fabrice | 20 Mar 2020 | 08:30 | 08:50 | Diffuse Field Cross-Correlation in a Reverberation Chamber Stirred with Reconfigurable Reflectarray Metasurfaces | B5 | T11-M05 | EM/EMC/PIM chambers, instrumentation, and measurements | T11 Fundamental research and emerging technologies / Regular Session / Measurements |
| Morvan, Sylvain | 18 Mar 2020 | 13:20 | 13:20 | Evaluating the RCS Contribution of Geometrical Singularities: An Analytical Model | Exhibition Hall | Poster2-E02 | Poster Session 2: EM theory and analytical techniques | Electromagnetics |
| Moscato, Stefano | 17 Mar 2020 | 13:20 | 13:20 | An 8x8 Cavity Backed Waveguide Antenna Array for D-Band Backhauling Communications | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Moseley, Paul | 17 Mar 2020 | 13:20 | 13:20 | Design and Measurement of Possible Wide-band 67-116 GHz ALMA Vacuum Window Anti-reflection Layers | Exhibition Hall | Poster1-A18 | Poster Session 1: Reflector, feed systems, and components | Antennas |
| Moshchalkov, Victor V. | 19 Mar 2020 | 17:40 | 18:00 | Modal Analysis of Deep Nanoscale Plasmonic Structures: Nonlocal Hydrodynamic Approach | A2 | CS42 | Nano and Quantum Antennas | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Mosig, Juan R | 18 Mar 2020 | 08:50 | 09:10 | EM Modeling of Stratified Media: From Radio Propagation over Ground to THz Graphene Antennas | B11 | BC/2 | History of Electromagnetism 2 | T13 Bicentennial Session / Electromagnetics |
| Mostarshedi, Shermila | 18 Mar 2020 | 13:20 | 13:20 | Statistical Comparison of Coupling Effects Between Thin and Thick Dipoles in Random Sets | Exhibition Hall | Poster2-A02 | Poster Session 2: Antenna interactions and coupling | Antennas |
| Mota, Susana | 17 Mar 2020 | 09:50 | 10:10 | An Empirical Model for Time Diversity Statistics at Ka- And Q-band | B8 | T09-P08 | Satellite propagation | T09 Space (incl. cubesat) / Regular Session / Propagation |
| Mota, Susana | 19 Mar 2020 | 17:40 | 18:00 | The MEKaP Project: Measuring Tropospheric Impairments at Ka Band with MEO Satellites | B8 | T09-P13 | Propagation Aspects in Remote Sensing | T09 Space (incl. cubesat) / Regular Session / Propagation |
| Motegi, Takeshi | 18 Mar 2020 | 08:30 | 08:50 | Transparent Glass Antenna for 28 GHz and Its Signal Reception Characteristics in Urban Environment | B7 | T06-A17 | Automotive antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Moulder, William F. | 17 Mar 2020 | 11:20 | 11:40 | Rigid-Flexible Antenna Array (RFAA) for Lightweight Deployable Apertures | B5 | CS01 | Active Antennas for Onboard Space Applications | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Mousavi, Pedram | 17 Mar 2020 | 11:40 | 12:00 | Singularity Extraction of Electric-Field Integral Equations in Spherical Near-Field Antenna Measurement | B4 | T10-M10 | General Antenna Measurements | T10 EM modelling and simulation tools / Regular Session / Measurements |
| Mousavirazi, Seyedeh Zahra | 17 Mar 2020 | 13:20 | 13:20 | A Millimeter-Wave Low-Profile and Metal-Only Transmitarray Antennas at 28 GHz | Exhibition Hall | Poster1-A19 | Poster Session 1: Reflect arrays and transmit arrays | Antennas |
| Mouthaan, Koen | 19 Mar 2020 | 13:20 | 13:20 | Conformal 2.4 GHz Antenna with Room Temperature Vulcanized (RTV) Silicone Rubber Substrate | Exhibition Hall | Poster3-A06 | Poster Session 3: Conformal antennas | Antennas |
| Mrdakovic, Branko | 17 Mar 2020 | 11:00 | 11:20 | 3D EM Simulation Environment for Development, Testing, and Functioning of Internet of Things | B2 | CS16 | Antennas in IoT Wireless Devices: Modelling and Industrial Considerations | T04 IoT and M2M / Convened Session / Antennas |
| Mrdakovic, Branko | 18 Mar 2020 | 10:40 | 11:00 | Influence of p-Refinement on Accuracy of Mode Tracking Based on Correlation of Characteristic Currents | B1 | CS45 | New Perspectives and Applications of Characteristic Mode Analysis in Antenna Design | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Mshwat, Widad | 17 Mar 2020 | 11:20 | 11:40 | A Compact Frequency Reconfigurable DRA for GSM, LTE, and 5G Applications Services | B10 | CS39 | Machine Learning in Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Mudonhi, Alfred | 18 Mar 2020 | 13:20 | 13:20 | Indoor mmWave Channel Characterization with Large Virtual Antenna Arrays | Exhibition Hall | Poster2-P05 | Poster Session 2: Mm-wave and UWB propagation | Propagation |
| Muhammad, Murdifi | 17 Mar 2020 | 13:20 | 13:20 | Direction of Arrival Estimation Using Hybrid Spatial Cross-Cumulants and Root-MUSIC | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Mukendi Leingthone, Muamba | 19 Mar 2020 | 17:00 | 17:20 | Adapted Low-Footprint Biasing Circuit for Switched Beam Antenna Steering Usable in Wireless Sensor Networks | B1 | T03-A11 | Antennas for WLAN Applications | T03 Wireless LANs / Regular Session / Antennas |
| Mukherjee, Jayanta | 19 Mar 2020 | 10:40 | 11:00 | Isolation Enhancement of Closely Spaced MIMO System Using Inverted Fork Shaped Decoupling Structure | A2 | T01-A02 | Terminal antennas and interactions with surroundings | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Mukherjee, Soumava | 16 Mar 2020 | 13:50 | 14:10 | Novel Dual-mode SIHC Based Filtering Antenna | B4 | T07-A | Antenna theory and system design | T07 Defence and security / Regular Session / Antennas |
| Müller, Peter | 18 Mar 2020 | 13:20 | 13:20 | Data Transfer and Communication in Radar Networks | Exhibition Hall | Poster2-P12 | Poster Session 2: Radar, localisation, and sensing | Propagation |
| Müller, Robert | 18 Mar 2020 | 13:20 | 13:20 | Multi-band Characterization of Propagation in Industry Scenarios | Exhibition Hall | Poster2-P05 | Poster Session 2: Mm-wave and UWB propagation | Propagation |
| Müller, Robert | 20 Mar 2020 | 08:50 | 09:10 | Characterization of the Propagation Channel in Conference Room Scenario at 190 GHz | A3 | CS37 | IRACON Spectrum Sharing: Challenges and Opportunities for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Munina, Irina | 17 Mar 2020 | 13:20 | 13:20 | Transmitarray Antenna for Converged Vortex Beam Generation and Steering | Exhibition Hall | Poster1-A19 | Poster Session 1: Reflect arrays and transmit arrays | Antennas |
| Munno, Fortuna | 19 Mar 2020 | 13:20 | 13:20 | Element Positioning Effect on the Performance of Conformal Arrays: Synthesis and Diagnostics | Exhibition Hall | Poster3-A06 | Poster Session 3: Conformal antennas | Antennas |
| Munoz, Max | 17 Mar 2020 | 16:40 | 17:00 | Water-Based Microwave Absorber | B4 | CS67 | Water-Based Microwave Devices | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |

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| Munoz, Max | 18 Mar 2020 | 13:20 | 13:20 | An Ultra-thin Wide-Angle Scanned Planar Array Antenna for Satellite Communication | A2 (Poster Area) | Convened Poster 2-CS41 | Metasurfaces for Mobile (5G and Beyond) and Satellite Communication Systems | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Murad, Noor Asniza | 17 Mar 2020 | 09:10 | 09:30 | Single and Dual Beam Waveguide Slotted Antenna Using 3D Printing Technique for 5G Application | B1 | CS38 | ISAP Session: Recent Advances in Asian Antennas and Propagation Research | T02 Millimetre wave 5G / Convened Session / Antennas |
| Murakami, Kosuke | 20 Mar 2020 | 11:00 | 11:20 | A Kirchhoff Approximation Based Spectrum Availability Prediction Method at Millimeter Wave | A3 | CS37 | IRACON Spectrum Sharing: Challenges and Opportunities for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Murakami, Tomoki | 20 Mar 2020 | 10:40 | 11:00 | A Study of an Environment Recognition Scheme Using WLAN CSI for Dynamic Spectrum Sharing | A3 | CS37 | IRACON Spectrum Sharing: Challenges and Opportunities for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Murasaka, Yoshitaka | 19 Mar 2020 | 13:20 | 13:20 | Single-Chip Impulse-Radar Integrated Circuits for Microwave-Imaging | Exhibition Hall | Poster3-A16 | Poster Session 3: UWB antennas and time-domain techniques | Antennas |
| Muriel Barrado, Alfonso T. | 17 Mar 2020 | 13:20 | 13:20 | Circularly and Linearly Polarized Planar Reconfigurable Active Array Antennas in Ka Band | A2 (Poster Area) | Convened Poster 1-CS10 | Antenna Array and Integrated Systems for 5G Communication Applications | T02 Millimetre wave 5G / Convened Session / Antennas |
| Murillo, Alejandro | 17 Mar 2020 | 16:40 | 17:00 | Active Antenna Architectures for Enhanced 5G System Performance | B5 | CS28 | EuMA/EurAAP Session: From Radiating Section to Digital Interface - Research and Design Trends for an End-To-End Approach of Highly Integrated Active Antenna Systems | T02 Millimetre wave 5G / Convened Session / Antennas |
| Murk, Axel | 17 Mar 2020 | 13:20 | 13:20 | Design and Measurement of Possible Wide-band 67-116 GHz ALMA Vacuum Window Anti-reflection Layers | Exhibition Hall | Poster1-A18 | Poster Session 1: Reflector, feed systems, and components | Antennas |
| Murk, Axel | 18 Mar 2020 | 11:20 | 11:40 | Optics for the Submillimeter Wave Instrument on Jupiter Mission JUICE | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Murphy, James | 18 Mar 2020 | 11:00 | 11:20 | The Optical Combiner of QUBIC: The Q & U Bolometric Interferometer for Cosmology | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Murphy, John Anthony | 18 Mar 2020 | 11:00 | 11:20 | The Optical Combiner of QUBIC: The Q & U Bolometric Interferometer for Cosmology | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Murugesan, Vignesh | 16 Mar 2020 | 13:50 | 14:10 | Experimental Validation of the Beam Pattern of a Wide Band Quasi-Optical System for DESHIMA Spectrometer | B8 | T09-A09 | Millimetre wave lens antennas for space applications | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Murugesan, Vignesh | 18 Mar 2020 | 13:20 | 13:20 | Wideband Superconducting Integrated Filter-bank for THz Astronomy | Exhibition Hall | Poster2-P13 | Poster Session 2: Radio science and remote sensing | Propagation |
| Mustonen, Petri | 19 Mar 2020 | 08:30 | 08:50 | Antenna Simulation Accuracy vs. Measurement Results of Small Form Factor Device | A3 | CS34 | IET/AMTA Session: Test and Measurement Challenges for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Measurements |
| Nachabe, Nour | 16 Mar 2020 | 14:30 | 14:50 | 3-D Printed High-Efficiency Wideband 2X2 and 4X4 Double-Ridged Waveguide Antenna Arrays for Ku-Band Satcom-On-The-Move Applications | A2 | CS02 | Advanced Antenna Arrays for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Antennas |
| Nachabe, Nour | 18 Mar 2020 | 13:20 | 13:20 | Transmit-array Antenna Design for Broadband Backhaul 5G Communications at WIGIG Band | A2 (Poster Area) | Convened Poster 2-CS36 | Innovative Lens Antennas for Future Communication Systems | T02 Millimetre wave 5G / Convened Session / Antennas |
| Nachouane, Hamza | 19 Mar 2020 | 10:40 | 11:00 | Over-the-air Investigation of Transmitter and Receiver Nonlinear Distortion Using a Mm-Wave MIMO Testbed | A3 | CS34 | IET/AMTA Session: Test and Measurement Challenges for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Measurements |
| Nada, Mohamed Y | 16 Mar 2020 | 17:20 | 17:40 | Exceptional Points of Degeneracy in Electromagnetic Waveguides and the Role of Symmetries | B1 | SW04 | COST Session CA18223 (SyMat): Periodic Structures with Higher Symmetries | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Naeem, Umair | 19 Mar 2020 | 13:20 | 13:20 | Low Profile Absorber Backed Extremely Wideband Antennas | Exhibition Hall | Poster3-A16 | Poster Session 3: UWB antennas and time-domain techniques | Antennas |
| Naganawa, Junichi | 19 Mar 2020 | 16:40 | 17:00 | Experimental Evaluation on TDOA-based Aircraft Position Verification | B7 | T06-P12 | Radar, localisation and sensing for aircraft and automotive applications | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Propagation |
| Naganawa, Junichi | 19 Mar 2020 | 17:00 | 17:20 | Measurements of Opportunistic Aircraft Signals and Verification of a Propagation Prediction Tool in Mountainous Region | B7 | T06-P12 | Radar, localisation and sensing for aircraft and automotive applications | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Propagation |
| Nagao, Tatsuya | 18 Mar 2020 | 08:50 | 09:10 | Study on Radio Propagation Prediction by Machine Learning Using Urban Structure Maps | B10 | T11-P02/2 | Machine Learning in Radio Propagation | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Nagao, Tatsuya | 18 Mar 2020 | 09:30 | 09:50 | A Study on the Variety and Size of Input Data for Radio Propagation Prediction Using a Deep Neural Network | B10 | T11-P02/2 | Machine Learning in Radio Propagation | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Naghavi, Amir Hossein | 18 Mar 2020 | 13:20 | 13:20 | Pulse Propagation in Human Head: Analysis and Design for UWB Radar Imaging | Exhibition Hall | Poster2-P05 | Poster Session 2: Mm-wave and UWB propagation | Propagation |
| Nagulu, Aravind | 18 Mar 2020 | 09:10 | 09:30 | Low Loss, CMOS Integrated, Magnetic-Free Non-Reciprocal Components Operating from Radio Frequencies to Millimeter-Waves | B5 | CS47 | Non-Magnetic Nonreciprocity | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Nair, Arun Moni | 20 Mar 2020 | 08:30 | 08:50 | Channel Measurements and Path Loss Modeling for Indoor THz Communication | A3 | CS37 | IRACON Spectrum Sharing: Challenges and Opportunities for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Nakajima, Hiromasa | 17 Mar 2020 | 13:20 | 13:20 | Reflectarray Antenna Changing Beam Direction by Polarization | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Nakajima, Hiromasa | 20 Mar 2020 | 09:10 | 09:30 | Study of a Low-Loss Planar Radome for a Wide-Coverage Antenna | B7 | T06-A11 | Aircraft antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Nakajima, Junichi | 18 Mar 2020 | 13:20 | 13:20 | High-gain and Low-profile Dielectric Cuboid Antenna at J-band | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |

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| Nakano, Hisamatsu | 20 Mar 2020 | 08:50 | 09:10 | Circularly Polarized Concentric Metaring Antenna | B1 | CS33 | IET Session: New Antenna Systems Involving Application of Metamaterials and Metasurfaces | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Nam, Yonghyun | 17 Mar 2020 | 16:40 | 17:00 | Efficient Two-layer Loop Array for Selective Magnetic Resonance Wireless Power Transfer | A2 | T04-A20 | Wireless power transfer and inductive coupling | T04 IoT and M2M / Regular Session / Antennas |
| Namgung, Gwang-Gyun | 17 Mar 2020 | 08:30 | 08:50 | A Small Metamaterial Dual-Band Dipole Antenna Fed by Small Metamaterial Balanced-Feed | B2 | CS16 | Antennas in IoT Wireless Devices: Modelling and Industrial Considerations | T04 IoT and M2M / Convened Session / Antennas |
| Namgung, Gwang-Gyun | 20 Mar 2020 | 08:30 | 08:50 | A Novel Metamaterial Dual-band GPS Antenna Extendable to Space Diversity Applications | B1 | CS33 | IET Session: New Antenna Systems Involving Application of Metamaterials and Metasurfaces | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Nandi, Dalia (Das) | 17 Mar 2020 | 13:20 | 13:20 | Problems While Setting the Reference Level in a Satellite Beacon Receiver Propagation Experiment at Ka-band | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Nanna, Leonardo | 19 Mar 2020 | 13:20 | 13:20 | SSEEM - An Innovative Spread Spectrum System for SatCom Antenna Radiation Patterns Measurements | Exhibition Hall | Poster3-M10 | Poster Session 3: General antenna measurements | Measurements |
| Narde, Jatin | 16 Mar 2020 | 17:20 | 17:40 | A Distinct Approach Exploiting Collapse Distribution Colligated with Genetic Algorithm for the Synthesis of Thinned Planar Antenna Arrays | B4 | T07-A17 | Multiband, wideband and array antennas | T07 Defence and security / Regular Session / Antennas |
| Narendra, Chaitanya | 18 Mar 2020 | 09:10 | 09:30 | A Phaseless Gauss-Newton Inversion Algorithm for Imaging and Design | B9 | CS66 | Unconventional Techniques and Applications for Inverse Scattering Problems | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Nascimento, Daniel | 19 Mar 2020 | 13:20 | 13:20 | Deployable Helix Antennas for Nano and Micro Satellites | Exhibition Hall | Poster3-M07 | Poster Session 3: Satellite and aerospace antenna characterisation | Measurements |
| Naseri, Parinaz | 17 Mar 2020 | 13:20 | 13:20 | Equivalent Dielectric Description of Transmit-arrays as an Efficient and Accurate Method of Analysis | Exhibition Hall | Poster1-A19 | Poster Session 1: Reflect arrays and transmit arrays | Antennas |
| Nasimuddin, N | 19 Mar 2020 | 13:20 | 13:20 | Power Allocation Optimization of A Conformal Antenna Array for Satellite Applications | Exhibition Hall | Poster3-A06 | Poster Session 3: Conformal antennas | Antennas |
| Nasimuddin, N | 19 Mar 2020 | 13:20 | 13:20 | A Single-feed Compact Wideband Circularly Polarized Antenna for INMARSAT/GNSS Applications | Exhibition Hall | Poster3-A11 | Poster Session 3: Multiband and wideband antennas | Antennas |
| Nasri, Abdelkhalek | 19 Mar 2020 | 11:40 | 12:00 | A Numerically Efficient Technique for the Analysis of Metamaterial- And Metasurface-based Antennas | B8 | CS30 | Fundamental Challenges and Novel Methodologies in the Next-Generation Computational Electromagnetics | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Navarro, Andres | 17 Mar 2020 | 13:20 | 13:20 | Modified Two-Ray Model with UTD and Atmospheric Effects | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Nazarov, Igor Vasilievich | 19 Mar 2020 | 17:40 | 18:00 | Computer Simulations of Multiband Waveguide Filter on Modulated Metasurface | B4 | CS63 | State of the Art in Antenna Research in Russia | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Nazem Zadeh, Mohammad Reza | 18 Mar 2020 | 13:20 | 13:20 | A Novel Wearable RF Head Coil for High Resolution 7T Magnetic Resonance Imaging | Exhibition Hall | Poster2-A02 | Poster Session 2: Antenna interactions and coupling | Antennas |
| Ndifon, Ajek M | 19 Mar 2020 | 13:20 | 13:20 | A UHF RFID Reader Antenna with Tunable Axial Ratio and Fixed Beamwidth | Exhibition Hall | Poster3-A15 | Poster Session 3: RFID antennas/sensors and systems | Antennas |
| Nekovee, Maziar | 20 Mar 2020 | 11:40 | 12:00 | Joint Statistics of Urban Clutter Loss and Building Entry Loss at 3.5 GHz and 27 GHz - From Measurement to Modelling | A3 | CS37 | IRACON Spectrum Sharing: Challenges and Opportunities for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Nemati, Mohammad Hossein | 19 Mar 2020 | 16:40 | 17:00 | Improving the Reconstruction Image Quality of Multiple Small Discrete Targets Using the Phase Coherence Method | B9 | T10-E05/2 | Imaging and inverse scattering | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Neophytou, Kyriakos | 19 Mar 2020 | 13:20 | 13:20 | High PAPR Multi-Tone Waveforms as a Method of Boosting DC Voltage in RF Wireless Power Transfer Systems | Exhibition Hall | Poster3-A15 | Poster Session 3: RFID antennas/sensors and systems | Antennas |
| Nepa, Paolo | 19 Mar 2020 | 09:30 | 09:50 | Multi-spot Adaptive Near-Field Focusing Through Transmitting Time-Modulated Arrays | B4 | CS44 | Near-Field Focusing and Pulse Generation Through Localized Waves | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Nepa, Paolo | 19 Mar 2020 | 13:20 | 13:20 | Modified Yagi-Uda Reader Antenna for UHF RFID Smart-Glove | Exhibition Hall | Poster3-A15 | Poster Session 3: RFID antennas/sensors and systems | Antennas |
| Neto, Alfredo | 18 Mar 2020 | 13:20 | 13:20 | Dual-Band Band-Pass Frequency Selective Surface Based on the Matryoshka Geometry with Angular Stability and Polarization Independence | Exhibition Hall | Poster2-E07 | Poster Session 2: Frequency and polarization selective surfaces | Electromagnetics |
| Neto, Andrea | 16 Mar 2020 | 14:10 | 14:30 | On the Design of a 27-dBi Phased Array for 5G Point-to-Point Communications | A2 | CS02 | Advanced Antenna Arrays for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Antennas |
| Neto, Andrea | 16 Mar 2020 | 14:30 | 14:50 | Near-Field Beamforming in Leaky-Wave Resonant Antennas | B2 | CS21 | Challenges in Leaky Wave Antennas and Novel Approaches to Solve Them | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Neto, Andrea | 16 Mar 2020 | 15:10 | 15:30 | Design of a Wide-Scan Lens Based Focal Plane Array for Sub-millimeter Imaging Systems Using Coherent Fourier Optics | B4 | T07-A | Antenna theory and system design | T07 Defence and security / Regular Session / Antennas |
| Neto, Andrea | 16 Mar 2020 | 14:10 | 14:30 | Analysis of Wide Band Wide-Scanning Quasi-Optical Systems Based on Fourier Optics | B8 | T09-A09 | Millimetre wave lens antennas for space applications | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Neto, Andrea | 17 Mar 2020 | 16:40 | 17:00 | Design of Wideband Wide-Scanning Dual-Polarized Phased Array Covering Simultaneously Both the Ku- And the Ka-Satcom Bands | A3 | CS56 | Recent Advances on Electronically Steerable Antenna Arrays at mm-Wave Frequencies | T02 Millimetre wave 5G / Convened Session / Antennas |
| Neto, Andrea | 18 Mar 2020 | 13:20 | 13:20 | Improved Equivalent Norton Circuit for Pulsed Photoconductive Antennas | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |

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| Neto, Andrea | 18 Mar 2020 | 16:00 | 16:40 | Submm-resolution Photoconductive Connected Array Radars | A3 | IS-Wed 2/2 | Invited Speaker Session | Antennas |
| Neto, Andrea | 19 Mar 2020 | 18:00 | 18:20 | On the Design of Bulk Absorbers at THz Frequencies | A2 | CS42 | Nano and Quantum Antennas | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Neto, Andrea | 20 Mar 2020 | 11:40 | 12:00 | On the Use of the Observable Field to Synthesize Independent Beams from a Finite Volume | A2 | T01-A22 | MIMO, diversity, smart antennas & signal processing | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Neto, Andrea | 20 Mar 2020 | 11:00 | 11:20 | Skewed Dipole Linear Array for Angular Filtering | B7 | T06-A11 | Aircraft antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Neto, Andrea | 20 Mar 2020 | 11:00 | 11:20 | Experimental Validation of System NEP of a Single-Pixel THz Imaging Camera in CMOS | B2 | T02-M08 | Mm-wave, THz, and quasi-optical antenna measurements | T02 Millimetre wave 5G / Regular Session / Measurements |
| Neto, Valdemir S. | 20 Mar 2020 | 10:40 | 11:00 | Bioinspired Sensor for the Electrical Permittivity Characterization of Dielectric Materials | B5 | T11-M01 | Material characterisation and non-destructive testing | T11 Fundamental research and emerging technologies / Regular Session / Measurements |
| Neubauer, Björn | 18 Mar 2020 | 11:00 | 11:20 | RF-Signal Receiver for UAV-Based Characterisation of Aeronautical Navigation Systems | B11 | T06-M10 | UAV-Based Antenna Measurements (AMTA) | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Measurements |
| Neumann, Niels | 20 Mar 2020 | 11:40 | 12:00 | Analysis of Substrate Parameters' Variations in a PCB-based 60 GHz GCPW Marchand Balun Design | B2 | T02-M08 | Mm-wave, THz, and quasi-optical antenna measurements | T02 Millimetre wave 5G / Regular Session / Measurements |
| Newberry, Robert | 19 Mar 2020 | 13:20 | 13:20 | A 915 MHz Wristwatch-Integrated Antenna for Wireless Health Monitoring | Exhibition Hall | Poster3-A12 | Poster Session 3: Wearable and implantable antennas | Antennas |
| Ney, Michel | 17 Mar 2020 | 13:20 | 13:20 | Mobile Measurements at 3.7 GHz Using a Massive MIMO Antenna Array in Outdoor Environments | Exhibition Hall | Poster1-P03 | Poster Session 1: Channel sounding and parameter estimation techniques | Propagation |
| Ney, Michel | 17 Mar 2020 | 17:40 | 18:00 | Time-Domain Modeling and Simulation of EM-Fields Propagation in Anisotropic Dispersive Media with Non-Conformal Meshing | B11 | T10-E03/2 | Computational and numerical techniques 2 | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Ng Mou Kehn, Malcolm | 16 Mar 2020 | 15:10 | 15:30 | Design of Antenna Arrays Using Groove Gap Waveguide Technology Implemented with Glide Symmetric Holes | B1 | SW04 | COST Session CA18223 (SyMat): Periodic Structures with Higher Symmetries | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Ngo, Guan Seng | 19 Mar 2020 | 13:20 | 13:20 | Power Allocation Optimization of A Conformal Antenna Array for Satellite Applications | Exhibition Hall | Poster3-A06 | Poster Session 3: Conformal antennas | Antennas |
| Ngom, Assane | 17 Mar 2020 | 13:20 | 13:20 | Construction of Gaussian and Isotropic Channels Based on Electrically Small Dipole Arrays | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Nguyen Trung, Kien | 19 Mar 2020 | 13:20 | 13:20 | A Study on Effect of Building Wall Structure on UWB SAR Image | Exhibition Hall | Poster3-M11 | Poster Session 3: Other measurement topics | Measurements |
| Nguyen, Anh | 20 Mar 2020 | 11:00 | 11:20 | Directionally Resolved UWB Channel Modeling for Environment-Aware Positioning | B11 | CS20 | Assessment and Modeling of Antennas and Radio Channels Jointly | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Nguyen, Duy Hai | 17 Mar 2020 | 08:50 | 09:10 | Breast Cancer Imaging Using a 24 GHz Ultra-Wideband MIMO FMCW Radar: System Considerations and First Imaging Results | B6 | CS60 | Sensors and Systems for Microwave Biomedical Imaging and Sensing | T05 Biomedical and health / Convened Session / Antennas |
| Nguyen, Duy Hai | 17 Mar 2020 | 13:20 | 13:20 | A Numerical Study on Tomographic Imaging Using Guided Electromagnetic Waves | Exhibition Hall | Poster1-M01 | Poster Session 1: Material characterisation and non-destructive testing | Measurements |
| Nguyen, Quang | 19 Mar 2020 | 13:20 | 13:20 | Simulation of Effective Medium Theory for Additive Manufacturing of Dielectric Media | Exhibition Hall | Poster3-A21 | Poster Session 3: Additive manufacturing | Antennas |
| Nguyen, Viet-Dung | 18 Mar 2020 | 08:30 | 08:50 | VoglerNet: Multiple Knife-Edge Diffraction Using Deep Neural Network | B10 | T11-P02/2 | Machine Learning in Radio Propagation | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Ni, Rui | 18 Mar 2020 | 13:20 | 13:20 | Switched Beam Lens Antennas Fed with Magneto-Electric Dipoles | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Niamien, Constant M. A. | 17 Mar 2020 | 13:20 | 13:20 | Construction of Gaussian and Isotropic Channels Based on Electrically Small Dipole Arrays | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Niaz, Muhammad Wasif | 19 Mar 2020 | 13:20 | 13:20 | A Beam Steerable Resonant Cavity Antenna Based on Tunable Partially Reflective Surface | Exhibition Hall | Poster3-A13 | Poster Session 3: Adaptive and reconfigurable antennas | Antennas |
| Nicolaï, Alessandro | 16 Mar 2020 | 14:50 | 15:10 | SNO Optimization Technique Applied to Reflectarray Antennas Design | B9 | CS64 | Trends and Advances in Machine Learning for Applied Electromagnetics | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Nichols, Steven R | 17 Mar 2020 | 12:00 | 12:20 | Revisiting the Poincaré Sphere as a Representation of Polarization State | B4 | T10-M10 | General Antenna Measurements | T10 EM modelling and simulation tools / Regular Session / Measurements |
| Nickel, Matthias | 19 Mar 2020 | 18:00 | 18:20 | Fully Dielectric Phased Array for Beamsteering Using Liquid Crystal Technology at W-Band | A3 | CS49 | Novel Techniques for Beam Manipulation at Millimeter | T02 Millimetre wave 5G / Convened Session / Antennas |
| Nicolai, Pasquale | 19 Mar 2020 | 17:40 | 18:00 | Outdoor Unit for Satcom Next Generation Non-Geo Satellite | B11 | SW05 | ESA Session: Selected Papers from the 40th ESA Workshop on Antenna Developments for Terrestrial and Small-Space Platforms | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Nielsen, Jeppe | 16 Mar 2020 | 17:20 | 17:40 | MetOp-SG Scatterometer Antenna Testing - Golden Standard Measurement 2019 | B7 | T06-M03 | Near-field, far-field, compact and RCS range measurement techniques | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Measurements |
| Nielsen, Jesper Ø | 18 Mar 2020 | 11:00 | 11:20 | Measured Activity in 860 MHz Channels | B10 | T11-P04 | Experimental methods and campaigns | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Nielsen, Jonas | 17 Mar 2020 | 17:00 | 17:20 | Water-Based Microwave Reflectarrays | B4 | CS67 | Water-Based Microwave Devices | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Nikita, Konstantina | 20 Mar 2020 | 08:30 | 08:50 | Frequency Selective EMF Measurements and Exposure Assessment in Indoor Office Environments | B2 | T05-M06 | Dosimetry, exposure, and SAR assessment | T05 Biomedical and health / Regular Session / Measurements |

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| Nikitopoulos, Konstantinos | 18 Mar 2020 | 13:20 | 13:20 | Channel Measurement and Analysis for Polarimetric Wideband Outdoor Scenarios at 26 GHz: Directional Vs Omni-Directional | Exhibition Hall | Poster2-P05 | Poster Session 2: Mm-wave and UWB propagation | Propagation |
| Nikolayev, Denys | 16 Mar 2020 | 13:50 | 14:10 | Multilayer Ultra-Miniature Loop Antenna for Insertable Pill Application | B6 | T05-A12/1 | Wearable and implantable antennas | T05 Biomedical and health / Regular Session / Antennas |
| Nikolayev, Denys | 17 Mar 2020 | 09:50 | 10:10 | Design Concerns for In-body Antennas Based on Frequency Analysis of Fundamental Radiation Limitations | B2 | CS16 | Antennas in IoT Wireless Devices: Modelling and Industrial Considerations | T04 IoT and M2M / Convened Session / Antennas |
| Nikolayev, Denys | 17 Mar 2020 | 13:20 | 13:20 | Combined Antenna-Channel Characterization for Wireless Communication from Horse Hoof to Base Station | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Nikolayev, Denys | 18 Mar 2020 | 13:20 | 13:20 | Optimal Frequency of Operation and Radiation Efficiency Limitations of Implantable Antennas | A2 (Poster Area) | Convened Poster 2-CS14 | Antennas for Harsh Environment | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Nikolayev, Denys | 19 Mar 2020 | 13:20 | 13:20 | Rapid Analysis of Arbitrary-Shaped Conformal Beam-Scanning Arrays | Exhibition Hall | Poster3-A06 | Poster Session 3: Conformal antennas | Antennas |
| Nikolayev, Denys | 20 Mar 2020 | 09:30 | 09:50 | Joint Antenna-Channel Modelling for in-to-out-Body Propagation of Dairy Cows at 868 MHz | B11 | CS20 | Assessment and Modeling of Antennas and Radio Channels Jointly | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Nikolova, Natalia | 17 Mar 2020 | 15:30 | 16:10 | Microwave Imaging in Real Time | A3 | IS-Tue 2/2 | Invited Speaker Session | Electromagnetics |
| Nikolova, Natalia | 18 Mar 2020 | 09:50 | 10:10 | Comparison Between MR, CT, and Quantitative Microwave Holography Images of a Compressed Breast Phantom | B9 | CS66 | Unconventional Techniques and Applications for Inverse Scattering Problems | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Nikolova, Natalia | 19 Mar 2020 | 18:00 | 18:20 | UWB Planar Bias-switched Imaging Array for Breast-Cancer Screening | B6 | T05-A12/3 | Body area antennas and sensor systems | T05 Biomedical and health / Regular Session / Antennas |
| Nikulin, Anton | 17 Mar 2020 | 13:20 | 13:20 | Experimental Validation of the Concept of an Opencage Head Coil for Ultra-High Field MRI | A2 (Poster Area) | Convened Poster 1-CS27 | Electromagnetics in MRI Applications | T05 Biomedical and health / Convened Session / Electromagnetics |
| Nisar, Mehwish | 19 Mar 2020 | 08:50 | 09:10 | Cloaking and Magnifying Using Radial Anisotropy in Non-Integer Dimensional Space | B9 | T10-E05/1 | Electromagnetic Methods for Direct and Inverse Scattering Involving Stratified Media | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Nishimura, Toshihiko | 17 Mar 2020 | 13:20 | 13:20 | Maximum Ratio Transmission for OAM Mode Multiplexing Using Multiple UCAs | Exhibition Hall | Poster1-A22 | Poster Session 1: MIMO, diversity, smart antennas & signal processing | Antennas |
| Niu, Chuanfeng | 19 Mar 2020 | 13:20 | 13:20 | Roof/Side Mount Combination Antenna for LTE and Satellite Communication Applications | Exhibition Hall | Poster3-A11 | Poster Session 3: Multiband and wideband antennas | Antennas |
| Niu, Tiaoming | 17 Mar 2020 | 08:30 | 08:50 | Reconfigurable Terahertz Reflectarray Based on Graphene Radiating Patches | B1 | CS38 | ISAP Session: Recent Advances in Asian Antennas and Propagation Research | T02 Millimetre wave 5G / Convened Session / Antennas |
| Nizer Rahmeier, Joao Guilherme | 17 Mar 2020 | 17:20 | 17:40 | Mapping Between Complex Eigenmodes and Complex Propagation Constant for Uniform Rectangular Metallic Waveguides | B11 | T10-E03/2 | Computational and numerical techniques 2 | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Njogu, Peter | 18 Mar 2020 | 11:00 | 11:20 | Removable Finger Nail Antenna | B2 | CS62 | Small Antenna in a Human Body Environment | T04 IoT and M2M / Convened Session / Antennas |
| Nobrega, Luiz | 19 Mar 2020 | 13:20 | 13:20 | Validation Tests for the Application of a Circular PMA with Slotted Ground Plane for Partial Discharges Detection in Power Transformers | Exhibition Hall | Poster3-A11 | Poster Session 3: Multiband and wideband antennas | Antennas |
| Nobuoka, Kiyoshi | 18 Mar 2020 | 08:30 | 08:50 | Transparent Glass Antenna for 28 GHz and Its Signal Reception Characteristics in Urban Environment | B7 | T06-A17 | Automotive antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Nocelo López, Rubén | 17 Mar 2020 | 09:10 | 09:30 | Effects of the Antenna Measurement Uncertainties on the Estimation of the Differential Reflectivity | B4 | T11-M02 | Radar scattering measurement and calibration techniques | T11 Fundamental research and emerging technologies / Regular Session / Measurements |
| Nocelo López, Rubén | 17 Mar 2020 | 09:30 | 09:50 | Analysis of the Cross-polar Radiation Effects on Differential Reflectivity Calibration | B4 | T11-M02 | Radar scattering measurement and calibration techniques | T11 Fundamental research and emerging technologies / Regular Session / Measurements |
| Nogueira de Carvalho, Joabson | 19 Mar 2020 | 13:20 | 13:20 | Eco-Friendly Metamaterial Antenna for 2.4 GHz WLAN Applications | Exhibition Hall | Poster3-A23 | Poster Session 3: Other antenna topics | Antennas |
| Nordebo, Sven | 19 Mar 2020 | 12:00 | 12:20 | On the Optical Theorem and Optimal Extinction, Scattering and Absorption in Lossy Media | B11 | T11-E01 | EM Theory | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Norgren, Martin | 16 Mar 2020 | 16:40 | 17:00 | Mode-matching Analysis of Loaded Transmission Lines with Twist Symmetries | B1 | SW04 | COST Session CA18223 (SyMat): Periodic Structures with Higher Symmetries | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Norgren, Martin | 18 Mar 2020 | 09:50 | 10:10 | Grading Written Exams in Electromagnetic Theory: Depth Versus Width | B4 | CS26 | Education in Electromagnetics, Antennas, and Microwaves | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Nori, Franco | 20 Mar 2020 | 09:50 | 10:10 | How Radiation Propagates in Random Media: Spatial Structure of Transmission Eigenchannels | B4 | T11-E06 | Scattering and diffraction | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Northedge, Jamie | 16 Mar 2020 | 15:10 | 15:30 | Fabrication of Artificial Dielectrics via Stereolithography Based 3D-Printing | B11 | T11-E08 | Metamaterials, metasurfaces and advanced materials | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Noseworthy, Michael | 18 Mar 2020 | 09:50 | 10:10 | Comparison Between MR, CT, and Quantitative Microwave Holography Images of a Compressed Breast Phantom | B9 | CS66 | Unconventional Techniques and Applications for Inverse Scattering Problems | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Notarnicola, Claudia | 17 Mar 2020 | 13:20 | 13:20 | Identification of Multi-Temporal Snow Melting Patterns with Microwave Radars | A2 (Poster Area) | Convened Poster 1-CS08 | Analysis, Design and Use of Microwave Techniques, Models, Systems, and Antennas for Snowpack Avalanches Monitoring | T08 Positioning, localization & tracking / Convened Session / Propagation |
| Notter, Michael | 18 Mar 2020 | 08:50 | 09:10 | Design of Ka-band Reflectarray Antennas for High Resolution SAR Instrument | A2 | T09-A19 | Reflect arrays and transmit arrays | T09 Space (incl. cubesat) / Regular Session / Antennas |

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| Noviello, Carlo | 19 Mar 2020 | 09:10 | 09:30 | Micro-UAV Radar Imaging via DGPS and Microwave Tomography | B7 | T06-P09 | Propagation for Unmanned Aerial Vehicles (UAVs) | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Propagation |
| Nozaki, Akira | 16 Mar 2020 | 17:20 | 17:40 | Effectiveness of Folded Quasi Self-Complementary Antenna to Microwave Imaging | B8 | T05-E05 | Microwave imaging | T05 Biomedical and health / Regular Session / Electromagnetics |
| Ntetsikas, Nikolaos | 17 Mar 2020 | 13:20 | 13:20 | Design of Millimeter Wave True-Time-Delay Beam-formers for 5G Wireless Systems | A2 (Poster Area) | Convened Poster 1-CS10 | Antenna Array and Integrated Systems for 5G Communication Applications | T02 Millimetre wave 5G / Convened Session / Antennas |
| Nulwalla, Dawood | 18 Mar 2020 | 13:20 | 13:20 | Mechanical and Environmental Aspects of Antennas for a Novel Maritime Search and Rescue System | A2 (Poster Area) | Convened Poster 2-CS14 | Antennas for Harsh Environment | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Nuss, Benjamin | 17 Mar 2020 | 17:00 | 17:20 | Extraction of Scattering Centers Using a Greedy Algorithm for Traffic Participant | B7 | CS03 | Advanced Radar Measurements, Modelling and System Solutions for Vehicular Applications | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Convened Session / Measurements |
| Nuss, Benjamin | 19 Mar 2020 | 08:50 | 09:10 | An OCDM Radar-Communication System | B5 | CS25 | Convergence of Mobile Radio and Radar | T08 Positioning, localization & tracking / Convened Session / Propagation |
| Nuutinen, Jukka-Pekka | 18 Mar 2020 | 12:00 | 12:20 | Comparing Options for 5G MIMO OTA Testing for Frequency Range One | A3 | CS06 | AMTA/IRACON Session: Over-The-Air Testing of 5G Radios | T02 Millimetre wave 5G / Convened Session / Measurements |
| Nyka, Krzysztof | 16 Mar 2020 | 17:20 | 17:40 | RSS-Based DoA Estimation Using ESPAR Antenna for V2X Applications in 802.11P Frequency Band | B5 | T08-A17 | Antennas and techniques for positioning and direction finding | T08 Positioning, localization & tracking / Regular Session / Antennas |
| Nyka, Krzysztof | 19 Mar 2020 | 13:20 | 13:20 | Miniaturization of ESPAR Antenna Using Low-Cost 3D Printing Process | Exhibition Hall | Poster3-A13 | Poster Session 3: Adaptive and reconfigurable antennas | Antennas |
| O Hagan, Daniel | 18 Mar 2020 | 13:20 | 13:20 | Data Transfer and Communication in Radar Networks | Exhibition Hall | Poster2-P12 | Poster Session 2: Radar, localisation, and sensing | Propagation |
| Obelleiro, Fernando | 19 Mar 2020 | 09:50 | 10:10 | Toward Extremely Scalable IE-DDM for Distributed Computing | B8 | CS30 | Fundamental Challenges and Novel Methodologies in the Next-Generation Computational Electromagnetics | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Occhiuzzi, Cecilia | 17 Mar 2020 | 17:40 | 18:00 | Performances of a 3.6 GHz Epidermal Loop for Future 5G-RFID Communications | B2 | T04-A15 | RFID and backscattering antennas | T04 IoT and M2M / Regular Session / Antennas |
| Occhiuzzi, Cecilia | 17 Mar 2020 | 18:00 | 18:20 | Monolithic Antenna Array for Epidermal 5G Backscattering Communications | B2 | T04-A15 | RFID and backscattering antennas | T04 IoT and M2M / Regular Session / Antennas |
| Occhiuzzi, Cecilia | 19 Mar 2020 | 16:40 | 17:00 | Multichip RFID Epidermal Sensor for Body Temperature Monitoring | B6 | T05-A12/3 | Body area antennas and sensor systems | T05 Biomedical and health / Regular Session / Antennas |
| Ocheri, Victor | 20 Mar 2020 | 11:40 | 12:00 | Joint Statistics of Urban Clutter Loss and Building Entry Loss at 3.5 GHz and 27 GHz - From Measurement to Modelling | A3 | CS37 | IRACON Spectrum Sharing: Challenges and Opportunities for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Odendaal, Johann W | 17 Mar 2020 | 13:20 | 13:20 | Optimized Polarization for Rotationally Tiled, Wideband, Dual-Polarized Vivaldi Arrays | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Odeyemi, Jomiloju | 18 Mar 2020 | 13:20 | 13:20 | PML Effectiveness in the Transmission Line Modelling Method for Radiation and Scattering Applications | Exhibition Hall | Poster2-E03 | Poster Session 2: Computational and numerical techniques | Electromagnetics |
| Oestges, Claude | 18 Mar 2020 | 13:20 | 13:20 | Indoor mmWave Channel Characterization with Large Virtual Antenna Arrays | Exhibition Hall | Poster2-P05 | Poster Session 2: Mm-wave and UWB propagation | Propagation |
| O'Farrell, Timothy | 20 Mar 2020 | 11:20 | 11:40 | Direct Antenna Modulator for m-QAM Applications | B1 | CS33 | IET Session: New Antenna Systems Involving Application of Metamaterials and Metasurfaces | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| O'Flynn, Brendan | 19 Mar 2020 | 13:20 | 13:20 | A 915 MHz Wristwatch-Integrated Antenna for Wireless Health Monitoring | Exhibition Hall | Poster3-A12 | Poster Session 3: Wearable and implantable antennas | Antennas |
| Ogata, Daigo | 19 Mar 2020 | 11:20 | 11:40 | A Study on Vegetation Loss Model with Seasonal Characteristics | B1 | T01-P02 | Propagation modelling and simulation | T01 LTE and Sub-6GHz 5G / Regular Session / Propagation |
| Ogawa, Tomoaki | 20 Mar 2020 | 10:40 | 11:00 | A Study of an Environment Recognition Scheme Using WLAN CSI for Dynamic Spectrum Sharing | A3 | CS37 | IRACON Spectrum Sharing: Challenges and Opportunities for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| O'Halloran, Martin | 17 Mar 2020 | 11:20 | 11:40 | Coverage Estimation for Microwave Imaging Using Full Multistatic Radar Imaging Algorithms with Restricted Opening | B6 | CS60 | Sensors and Systems for Microwave Biomedical Imaging and Sensing | T05 Biomedical and health / Convened Session / Antennas |
| O'Halloran, Martin | 18 Mar 2020 | 08:30 | 08:50 | Thermal Properties of Ex Vivo Biological Tissue at Room and Body Temperature | B6 | SW03 | COST Session CA17115 (MyWAVE): Supporting Medical Device Development via Dielectric and Thermal Tissue Characterization | T05 Biomedical and health / Convened Session / Measurements |
| O'Halloran, Martin | 18 Mar 2020 | 09:10 | 09:30 | Fast Measurements of Dielectric Properties with Small Size Microwave Transceiver | B6 | SW03 | COST Session CA17115 (MyWAVE): Supporting Medical Device Development via Dielectric and Thermal Tissue Characterization | T05 Biomedical and health / Convened Session / Measurements |
| O'Halloran, Martin | 18 Mar 2020 | 11:40 | 12:00 | Microwave Calcaneus Phantom for Bone Imaging Applications | B6 | SW03 | COST Session CA17115 (MyWAVE): Supporting Medical Device Development via Dielectric and Thermal Tissue Characterization | T05 Biomedical and health / Convened Session / Measurements |
| O'Halloran, Martin | 19 Mar 2020 | 11:40 | 12:00 | Determining the Concentration of Red Blood Cells Using Dielectric Properties | B7 | T11-P10 | Propagation in biological tissues | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| O'Halloran, Martin | 20 Mar 2020 | 08:30 | 08:50 | Detailed Dielectric Characterisation of the Heart and Great Vessels | B6 | SW06 | H2020 Session ID764479 (EMERALD): Electromagnetic Imaging for a Novel Generation of Medical Devices | T05 Biomedical and health / Convened Session / Electromagnetics |

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| O'Halloran, Martin | 20 Mar 2020 | 12:00 | 12:20 | Development of a Transmission-Based Open-Ended Coaxial-Probe Suitable for Axillary Lymph Node Dielectric Measurements | B6 | SW06 | H2020 Session ID764479 (EMERALD): Electromagnetic Imaging for a Novel Generation of Medical Devices | T05 Biomedical and health / Convened Session / Electromagnetics |
| Ohgane, Takeo | 17 Mar 2020 | 13:20 | 13:20 | Maximum Ratio Transmission for OAM Mode Multiplexing Using Multiple UCAs | Exhibition Hall | Poster1-A22 | Poster Session 1: MIMO, diversity, smart antennas & signal processing | Antennas |
| Ojanen, Pekka | 20 Mar 2020 | 09:30 | 09:50 | Assessing the Feasibility of the Spectrum Sharing Concepts for Private Industrial Networks Operating Above 5 GHz | A3 | CS37 | IRACON Spectrum Sharing: Challenges and Opportunities for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Ojaroudi Parchin, Naser | 17 Mar 2020 | 09:50 | 10:10 | A Doherty Power Amplifier Based on the Harmonic Generating Mechanism | B10 | CS39 | Machine Learning in Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Ojaroudi Parchin, Naser | 17 Mar 2020 | 11:40 | 12:00 | A New Broadband MIMO Antenna System for Sub 6 GHz 5G Cellular Communications | B10 | CS39 | Machine Learning in Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Ojaroudi Parchin, Naser | 17 Mar 2020 | 12:00 | 12:20 | Mutual Coupling Effect on Three-Way Doherty Amplifier for Green Compact Mobile Communications | B10 | CS39 | Machine Learning in Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Ojaroudi Parchin, Naser | 17 Mar 2020 | 11:00 | 11:20 | A Beam-Steerable Antenna Array with Radiation Beam Reconfigurability for 5G Smartphones | A2 | T02-A04/2 | Millimetre wave arrays for mobile terminals | T02 Millimetre wave 5G / Regular Session / Antennas |
| Ojaroudi Parchin, Naser | 19 Mar 2020 | 13:20 | 13:20 | Multi-Mode Smartphone Antenna Array for 5G Massive MIMO Applications | Exhibition Hall | Poster3-A11 | Poster Session 3: Multiband and wideband antennas | Antennas |
| Ojaroudi Parchin, Naser | 19 Mar 2020 | 13:20 | 13:20 | Ultra-Wideband MIMO Diversity Antenna System for Future Handsets | Exhibition Hall | Poster3-A11 | Poster Session 3: Multiband and wideband antennas | Antennas |
| Ojaroudi Parchin, Naser | 19 Mar 2020 | 13:20 | 13:20 | A Differential-Fed Dual-Polarized High-Gain Filtering Antenna Based on SIW Technology for 5G Applications | Exhibition Hall | Poster3-A23 | Poster Session 3: Other antenna topics | Antennas |
| Ojaroudi Parchin, Naser | 20 Mar 2020 | 11:20 | 11:40 | New High-Gain Differential-Fed Dual-Polarized Filtering Microstrip Antenna for 5G Applications | A2 | T01-A22 | MIMO, diversity, smart antennas & signal processing | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Ojaroudi, Mohammad | 16 Mar 2020 | 16:20 | 16:40 | Multiple Moving Targets Tracking Based on Kernel Localization and Group Trackers for Envisioned Functional Microwave Brain Imaging Applications | B8 | T05-E05 | Microwave imaging | T05 Biomedical and health / Regular Session / Electromagnetics |
| Ojaroudi, Mohammad | 17 Mar 2020 | 13:20 | 13:20 | Dynamic Short-Range Sensing Approach Using MIMO Radar for Brain Activities Monitoring | Exhibition Hall | Poster1-A22 | Poster Session 1: MIMO, diversity, smart antennas & signal processing | Antennas |
| Ojaroudi, Mohammad | 18 Mar 2020 | 09:10 | 09:30 | A Novel Machine Learning Approach of Hemorrhage Stroke Detection in Differential Microwave Head Imaging System | B10 | T11-P02/2 | Machine Learning in Radio Propagation | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Okhmatovski, Vladimir | 19 Mar 2020 | 10:40 | 11:00 | Overview of Surface-Volume-Surface Electric Field Integral Equation Formulations for 3-D Composite Metal-Dielectric Objects | B8 | CS30 | Fundamental Challenges and Novel Methodologies in the Next-Generation Computational Electromagnetics | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Okorn, Boris | 19 Mar 2020 | 13:20 | 13:20 | Preliminary Investigation of B-dot Wire Concept | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Olcan, Dragan I. | 18 Mar 2020 | 13:20 | 13:20 | Simulations and Measurements of Brick-Like Axial-Mode Helix Antenna Using CAD Tools | Exhibition Hall | Poster2-E03 | Poster Session 2: Computational and numerical techniques | Electromagnetics |
| Oldoni, Matteo | 17 Mar 2020 | 13:20 | 13:20 | An 8x8 Cavity Backed Waveguide Antenna Array for D-Band Backhauling Communications | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Olesen, Kim | 17 Mar 2020 | 13:20 | 13:20 | Wind Turbine Blade Deflection Sensing Using Blade-Mounted Ultrawideband Antennas | A2 (Poster Area) | Convened Poster 1-CS57 | Recent Research on Wind Turbines: EM Modelling and Measurements | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Olin, Rie Beck | 17 Mar 2020 | 13:20 | 13:20 | Enhanced Low Frequency MRI Using Flexible Shape Arrays Made of Standard Wire | A2 (Poster Area) | Convened Poster 1-CS27 | Electromagnetics in MRI Applications | T05 Biomedical and health / Convened Session / Electromagnetics |
| Oliveira, Barbara L. | 17 Mar 2020 | 11:00 | 11:20 | Pilot Patient Study with the Wavelia Microwave Breast Imaging System for Breast Cancer Detection: Clinical Feasibility and Identified Technical Challenges | B6 | CS60 | Sensors and Systems for Microwave Biomedical Imaging and Sensing | T05 Biomedical and health / Convened Session / Antennas |
| Oliveira, Luciano | 19 Mar 2020 | 13:20 | 13:20 | The Influence of Lattice Constant on Tuning EBG Waveguide | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Oliveri, Giacomo | 18 Mar 2020 | 11:00 | 11:20 | Advanced Teaching in Electromagnetics at the ELEDIA Research Center | B4 | CS26 | Education in Electromagnetics, Antennas, and Microwaves | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Oliveri, Giacomo | 18 Mar 2020 | 09:30 | 09:50 | Recent Advances and Current Trends in Compressive Processing as Applied to Inverse Scattering | B9 | CS66 | Unconventional Techniques and Applications for Inverse Scattering Problems | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Oliveri, Giacomo | 18 Mar 2020 | 13:20 | 13:20 | Dielectric Rectangular Lens for Antenna Array Scanloss Mitigation | A2 (Poster Area) | Convened Poster 2-CS50 | Novel Wave Phenomena in Metamaterials and Metasurfaces Applied to Antennas and Propagation | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Olivi, Martine | 20 Mar 2020 | 11:20 | 11:40 | Optimal Bounds and Matching Networks of Fixed Degree and for Frequency Varying Impedances | B10 | CS11 | Antenna Design and Fundamental Bounds with External Constraints | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Olmi, Roberto | 20 Mar 2020 | 11:00 | 11:20 | UHF and L-Band Microwave Measurements of the Antarctic Firn-Layer Complex Permittivity Depth Profile | B5 | T11-M01 | Material characterisation and non-destructive testing | T11 Fundamental research and emerging technologies / Regular Session / Measurements |
| O'Loughlin, Declan | 17 Mar 2020 | 11:20 | 11:40 | Coverage Estimation for Microwave Imaging Using Full Multistatic Radar Imaging Algorithms with Restricted Opening | B6 | CS60 | Sensors and Systems for Microwave Biomedical Imaging and Sensing | T05 Biomedical and health / Convened Session / Antennas |
| Oloumi, Daniel | 18 Mar 2020 | 13:20 | 13:20 | Pulse Propagation in Human Head: Analysis and Design for UWB Radar Imaging | Exhibition Hall | Poster2-P05 | Poster Session 2: Mm-wave and UWB propagation | Propagation |

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| Oloyo, Ayodunni | 20 Mar 2020 | 11:40 | 12:00 | Non-invasive Blood Glucose Measurement Based on Microwave Resonator | B5 | T11-M01 | Material characterisation and non-destructive testing | T11 Fundamental research and emerging technologies / Regular Session / Measurements |
| Omar, Ahmed Abdeltmottaleb | 20 Mar 2020 | 08:30 | 08:50 | On the Design of Multiband Antenna Employing AFSR Structure as Ground Plane for Low Out-of-Band RCS | B8 | CS59 | Reconfigurable Reflectarray and Transmitarrays | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Omer, Ala Eldin | 18 Mar 2020 | 13:20 | 13:20 | Compact Honey-Cell CSRR-based Microwave Biosensor for Monitoring Glucose Levels | Exhibition Hall | Poster2-P10 | Poster Session 2: Propagation in biological tissues and body-area propagation | Propagation |
| Omer, Ala Eldin | 19 Mar 2020 | 12:00 | 12:20 | Multiple-Pole CSRR-based Microwave Sensor for Glucose Levels Detection | B6 | T05-A12/2 | Point of Care Microwave Sensors | T05 Biomedical and health / Regular Session / Antennas |
| Omi, Shuntaro | 19 Mar 2020 | 09:10 | 09:30 | Single-Cut Near-Field Far-Field Transformation and Implicit Plane-Wave Synthesis for RCS Prediction Including Multiple Scattering Effects | B10 | CS07 | AMTA/EurAAP Session: Post Processing Techniques in Antenna Measurements | T11 Fundamental research and emerging technologies / Convened Session / Measurements |
| Omote, Hideki | 19 Mar 2020 | 11:20 | 11:40 | A Study on Vegetation Loss Model with Seasonal Characteristics | B1 | T01-P02 | Propagation modelling and simulation | T01 LTE and Sub-6GHz 5G / Regular Session / Propagation |
| Ono, Masahiro | 19 Mar 2020 | 13:20 | 13:20 | Single-Chip Impulse-Radar Integrated Circuits for Microwave-Imaging | Exhibition Hall | Poster3-A16 | Poster Session 3: UWB antennas and time-domain techniques | Antennas |
| Oraizi, Homayoon | 19 Mar 2020 | 13:20 | 13:20 | Wideband Vertically Polarized Dual-Beam Antenna Using Modulated Metasurfaces | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Oraizi, Homayoon | 19 Mar 2020 | 13:20 | 13:20 | Tunable Terahertz Polarization Converter Based on Graphene Metasurfaces | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Orazbayev, Bakhtiyar | 19 Mar 2020 | 13:20 | 13:20 | Robustness in Subwavelength Locally-Resonant Metamaterial Waveguides | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Orehov, Roman | 19 Mar 2020 | 18:00 | 18:20 | A 3D Printed Luneburg Lens Fabricated by Fused Deposition Modelling | B4 | CS63 | State of the Art in Antenna Research in Russia | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Orgeira, Omar | 17 Mar 2020 | 13:20 | 13:20 | Ray-Tracing Analysis of the near and Far Fields of Focusing Geodesic Lens Antennas | Exhibition Hall | Poster1-A09 | Poster Session 1: Lens antennas | Antennas |
| Orlando, Giuseppe | 17 Mar 2020 | 13:20 | 13:20 | On the Magnification Factor of Ring Focus Imaging Systems | Exhibition Hall | Poster1-A18 | Poster Session 1: Reflector, feed systems, and components | Antennas |
| Orru, Simone | 19 Mar 2020 | 10:40 | 11:00 | System Level Synchronization of Phase-Coded FMCW Automotive Radars for RadCom | B5 | CS25 | Convergence of Mobile Radio and Radar | T08 Positioning, localization & tracking / Convened Session / Propagation |
| Orvalho, M Lurdes | 18 Mar 2020 | 11:00 | 11:20 | Extracting Dielectric Properties for MRI-based Phantoms for Axillary Microwave Imaging Device | B6 | SW03 | COST Session CA17115 (MyWAVE): Supporting Medical Device Development via Dielectric and Thermal Tissue Characterization | T05 Biomedical and health / Convened Session / Measurements |
| Osman, Mohamed Nasrun | 17 Mar 2020 | 09:10 | 09:30 | Single and Dual Beam Waveguide Slotted Antenna Using 3D Printing Technique for 5G Application | B1 | CS38 | ISAP Session: Recent Advances in Asian Antennas and Propagation Research | T02 Millimetre wave 5G / Convened Session / Antennas |
| Ostryzhnyi, Yevhenii | 18 Mar 2020 | 13:20 | 13:20 | Rotation of the Polarization Plane by Grooved Flanges in a Circular Waveguide | Exhibition Hall | Poster2-E06 | Poster Session 2: Scattering and diffraction | Electromagnetics |
| O'Sullivan, Creidhe | 18 Mar 2020 | 08:50 | 09:10 | Analysis Methods for Multimoded Horns for Future THz Missions (SAFARI Instrument for SPICA) | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| O'Sullivan, Creidhe | 18 Mar 2020 | 11:00 | 11:20 | The Optical Combiner of QUBIC: The Q & U Bolometric Interferometer for Cosmology | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Otsuki, Shinya | 20 Mar 2020 | 10:40 | 11:00 | A Study of an Environment Recognition Scheme Using WLAN CSI for Dynamic Spectrum Sharing | A3 | CS37 | IRACON Spectrum Sharing: Challenges and Opportunities for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Otto, Simon | 17 Mar 2020 | 13:20 | 13:20 | Compact and Modular Ka-Band Front-end Concept for SATCOM and 5G | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Ou, Jun-Hui | 17 Mar 2020 | 18:00 | 18:20 | A Dual-Polarized Rectenna with High Efficiency at Low Input Power Density | A2 | T04-A20 | Wireless power transfer and inductive coupling | T04 IoT and M2M / Regular Session / Antennas |
| Ou, Jun-Hui | 19 Mar 2020 | 13:20 | 13:20 | High-Efficiency Rectifiers with Wide Input Power Range and Application on Powering Wireless Sensors | Exhibition Hall | Poster3-A20 | Poster Session 3: Antennas for wireless power transmission and harvesting | Antennas |
| Oueslati, Donia | 17 Mar 2020 | 13:20 | 13:20 | A Nesting Approach for the Numerical Analysis of MRI Birdcage Antennas in the Presence of the Human Head | A2 (Poster Area) | Convened Poster 1-CS27 | Electromagnetics in MRI Applications | T05 Biomedical and health / Convened Session / Electromagnetics |
| Oueslati, Donia | 18 Mar 2020 | 13:20 | 13:20 | Multi-ring Circular Parasitic Antenna with Circularly Polarized Conical Beam and High Gain | Exhibition Hall | Poster2-A02 | Poster Session 2: Antenna interactions and coupling | Antennas |
| Oueslati, Donia | 19 Mar 2020 | 17:40 | 18:00 | Wideband Fixed- And Scanned-Beam Millimeter Wave Antenna Arrays for 5G Applications | A3 | CS49 | Novel Techniques for Beam Manipulation at Millimeter | T02 Millimetre wave 5G / Convened Session / Antennas |
| Ourir, Abdelwaheb | 17 Mar 2020 | 13:20 | 13:20 | Experimental Validation of the Concept of an Opencage Head Coil for Ultra-High Field MRI | A2 (Poster Area) | Convened Poster 1-CS27 | Electromagnetics in MRI Applications | T05 Biomedical and health / Convened Session / Electromagnetics |
| Ourir, Abdelwaheb | 19 Mar 2020 | 13:20 | 13:20 | Reconfigurable SRR Antenna | Exhibition Hall | Poster3-A13 | Poster Session 3: Adaptive and reconfigurable antennas | Antennas |
| Overvig, Adam | 16 Mar 2020 | 17:00 | 17:20 | Spatial and Spatio-Temporal Modulations for Advanced Wave Control with Metasurfaces | B10 | CS24 | Controlling EM Waves with Low- and High-Dimensional Metamaterials | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Ozan, Sarmad | 20 Mar 2020 | 09:10 | 09:30 | Enabling RF Technologies for Spectrum Sharing | A3 | CS37 | IRACON Spectrum Sharing: Challenges and Opportunities for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Ozdemir, Ozgur | 19 Mar 2020 | 13:20 | 13:20 | Ultra Wideband Frequency Reconfigurable Antenna for Wireless Systems | Exhibition Hall | Poster3-A13 | Poster Session 3: Adaptive and reconfigurable antennas | Antennas |

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|----------------------------|-------------|-------|-------|---|------------------|------------------------|---|--|
| Ozzola, Riccardo | 20 Mar 2020 | 11:00 | 11:20 | Efficiency Analysis in Multibeam Wideband Phased Arrays | A2 | T01-A22 | MIMO, diversity, smart antennas & signal processing | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| P, Anoop | 17 Mar 2020 | 13:20 | 13:20 | Impedance Bandwidth Performance of TM106 Mode in Equilateral Triangular DRA | Exhibition Hall | Poster1-A07 | Poster Session 1: Dielectric resonator antennas | Antennas |
| P, Ashwin. | 16 Mar 2020 | 17:20 | 17:40 | A Distinct Approach Exploiting Collapse Distribution Colligated with Genetic Algorithm for the Synthesis of Thinned Planar Antenna Arrays | B4 | T07-A17 | Multiband, wideband and array antennas | T07 Defence and security / Regular Session / Antennas |
| Pace, Nikolai Paul | 19 Mar 2020 | 11:40 | 12:00 | Determining the Concentration of Red Blood Cells Using Dielectric Properties | B7 | T11-P10 | Propagation in biological tissues | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Padilla, Pablo | 16 Mar 2020 | 14:50 | 15:10 | Prism-based Leaky-Lens Antennas at 60 GHz for 5G Point-to-Point Communication Links | B2 | CS21 | Challenges in Leaky Wave Antennas and Novel Approaches to Solve Them | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Padilla, Pablo | 16 Mar 2020 | 14:50 | 15:10 | Holey and Pinned Structures Comparison for Waveguide Phase Shifters | B1 | SW04 | COST Session CA18223 (SyMat): Periodic Structures with Higher Symmetries | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Padilla, Pablo | 17 Mar 2020 | 08:50 | 09:10 | Elliptical Glide-Symmetric Holey Metasurfaces for Wideband Anisotropy | B9 | CS09 | Analytical and Numerical Methods for Metasurface Analysis and Design | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Padilla, Pablo | 18 Mar 2020 | 13:20 | 13:20 | Design of Compact H-plane SIW Antenna at Ka Band | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Pagana, Guido | 19 Mar 2020 | 11:40 | 12:00 | An Accelerometer - Based Evaluation of Tinetti Scale | B6 | T05-A12/2 | Point of Care Microwave Sensors | T05 Biomedical and health / Regular Session / Antennas |
| Pagani, Pascal | 18 Mar 2020 | 13:20 | 13:20 | Evaluating the RCS Contribution of Geometrical Singularities: An Analytical Model | Exhibition Hall | Poster2-E02 | Poster Session 2: EM theory and analytical techniques | Electromagnetics |
| Pairon, Thomas | 17 Mar 2020 | 13:20 | 13:20 | Acceleration of Physical Optics Interactions Using Inhomogeneous Plane Waves | A2 (Poster Area) | Convened Poster 1-CS57 | Recent Research on Wind Turbines: EM Modelling and Measurements | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Paiva, Samuel | 20 Mar 2020 | 10:40 | 11:00 | Bioinspired Sensor for the Electrical Permittivity Characterization of Dielectric Materials | B5 | T11-M01 | Material characterisation and non-destructive testing | T11 Fundamental research and emerging technologies / Regular Session / Measurements |
| Pajewski, Lara | 20 Mar 2020 | 08:50 | 09:10 | Human Exposure to Electromagnetic Signals with Continuous Spectra | B2 | T05-M06 | Dosimetry, exposure, and SAR assessment | T05 Biomedical and health / Regular Session / Measurements |
| Pajusco, Patrice | 17 Mar 2020 | 13:20 | 13:20 | Mobile Measurements at 3.7 GHz Using a Massive MIMO Antenna Array in Outdoor Environments | Exhibition Hall | Poster1-P03 | Poster Session 1: Channel sounding and parameter estimation techniques | Propagation |
| Paković, Srđan | 19 Mar 2020 | 08:50 | 09:10 | Terahertz X-wave Launchers by Metallic Spline-Profiled Horns | B4 | CS44 | Near-Field Focusing and Pulse Generation Through Localized Waves | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Paley, Tomer | 18 Mar 2020 | 13:20 | 13:20 | A Very Compact Implantable Antenna for Wireless Biotelemetry Applications in the MedRadio Band | Exhibition Hall | Poster2-A08 | Poster Session 2: Electrically small antennas | Antennas |
| Pälli, Samu-Ville | 18 Mar 2020 | 13:20 | 13:20 | Axicon-hyperbolic Lens for Reflectivity Measurements of Curved Surfaces | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Palmeri, Roberta | 18 Mar 2020 | 13:20 | 13:20 | Towards an Effective Inverse Design of Artificial Materials Based Devices Through the Scattering Matrix Method | Exhibition Hall | Poster2-E05 | Poster Session 2: Imaging and inverse scattering | Electromagnetics |
| Palmeri, Roberta | 19 Mar 2020 | 10:40 | 11:00 | Towards 3-D Vector Intensity Focusing of near and Far Fields | B4 | CS44 | Near-Field Focusing and Pulse Generation Through Localized Waves | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Palmeri, Roberta | 19 Mar 2020 | 11:40 | 12:00 | Re-moving the Scattered Energy from Dielectric Objects in Spatial and Frequency Domain for Cloaking Techniques | B11 | T11-E01 | EM Theory | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Palomares-Caballero, Angel | 16 Mar 2020 | 14:50 | 15:10 | Prism-based Leaky-Lens Antennas at 60 GHz for 5G Point-to-Point Communication Links | B2 | CS21 | Challenges in Leaky Wave Antennas and Novel Approaches to Solve Them | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Palomares-Caballero, Angel | 16 Mar 2020 | 14:50 | 15:10 | Holey and Pinned Structures Comparison for Waveguide Phase Shifters | B1 | SW04 | COST Session CA18223 (SyMat): Periodic Structures with Higher Symmetries | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Palomares-Caballero, Angel | 18 Mar 2020 | 13:20 | 13:20 | Design of Compact H-plane SIW Antenna at Ka Band | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Palvig, Michael F. | 18 Mar 2020 | 08:30 | 08:50 | Multifocus Reflectarray Concept: Preliminary Design and Possible Applications | A2 | T09-A19 | Reflect arrays and transmit arrays | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Palvig, Michael F. | 18 Mar 2020 | 08:50 | 09:10 | Design of Ka-band Reflectarray Antennas for High Resolution SAR Instrument | A2 | T09-A19 | Reflect arrays and transmit arrays | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Palvig, Michael F. | 18 Mar 2020 | 14:50 | 15:30 | Computational Electromagnetics in Space | A3 | IS-Wed 2/1 | Invited Speaker Session | Electromagnetics |
| Palvig, Michael F. | 19 Mar 2020 | 17:00 | 17:20 | Design of Advanced Reflectarrays for Future CubeSat Applications | B11 | SW05 | ESA Session: Selected Papers from the 40th ESA Workshop on Antenna Developments for Terrestrial and Small-Space Platforms | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Pan, Junyu | 17 Mar 2020 | 18:00 | 18:20 | A Dual-Polarized Rectenna with High Efficiency at Low Input Power Density | A2 | T04-A20 | Wireless power transfer and inductive coupling | T04 IoT and M2M / Regular Session / Antennas |
| Pan, Kewen | 19 Mar 2020 | 13:20 | 13:20 | Graphene Printed Flexible and Conformal Array Antenna on Paper Substrate for 5.8GHz Wireless Communications | Exhibition Hall | Poster3-A12 | Poster Session 3: Wearable and implantable antennas | Antennas |
| Pan, Xiaotian | 17 Mar 2020 | 17:40 | 18:00 | Review of W-band Reconfigurable Reflectarray and Transmitarray Antennas at Tsinghua University | A3 | CS56 | Recent Advances on Electronically Steerable Antenna Arrays at mm-Wave Frequencies | T02 Millimetre wave 5G / Convened Session / Antennas |
| Pan, Xiaotian | 20 Mar 2020 | 11:20 | 11:40 | Design of Microwave Imaging System Based on Reconfigurable Transmitarray with Variable Focuses | B8 | CS59 | Reconfigurable Reflectarray and Transmitarrays | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Pan, Yuntian | 17 Mar 2020 | 18:00 | 18:20 | Massive MIMO Channel Measurement and Characterization for Manufacturing Scenario | B10 | T11-P02/1 | Channel Modelling for Massive MIMO and Near-Field Communication Systems | T11 Fundamental research and emerging technologies / Regular Session / Propagation |

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| Panagopoulos, Athanasios D. | 17 Mar 2020 | 11:00 | 11:20 | Cloud Free LOS Probability Estimation for MEO Optical Satellite Systems and Optical Satellite Network Dimensioning | B8 | T09-P08 | Satellite propagation | T09 Space (incl. cubesat) / Regular Session / Propagation |
| Panaro, Valerio | 19 Mar 2020 | 13:20 | 13:20 | A Conformal Spherical DRA for MEO Applications in Ka-band Realized with Additive Manufacturing | Exhibition Hall | Poster3-A21 | Poster Session 3: Additive manufacturing | Antennas |
| Pandel, Damian | 19 Mar 2020 | 13:20 | 13:20 | Temperature Characterization of High-Q Resonators of Different Materials for mm-Wave Indoor Localization Tag Landmarks | Exhibition Hall | Poster3-A21 | Poster Session 3: Additive manufacturing | Antennas |
| Pandey, Vinay | 16 Mar 2020 | 14:10 | 14:30 | Axial-ratio Tuning in Nano-Dielectric Resonator Antenna for Optical Band Applications | B4 | T07-A | Antenna theory and system design | T07 Defence and security / Regular Session / Antennas |
| Pannetrat, Stephane | 20 Mar 2020 | 09:50 | 10:10 | A Fast and Rigorous Assessment of the Specific Absorption Rate (SAR) for MIMO Cellular Equipment Based on Vector Near-Field Measurements | B2 | T05-M06 | Dosimetry, exposure, and SAR assessment | T05 Biomedical and health / Regular Session / Measurements |
| Pannier, Philippe | 17 Mar 2020 | 17:00 | 17:20 | Design of a Resistant Circularly Polarized Tag Antenna with High Performances in the EU UHF RFID Band | B2 | T04-A15 | RFID and backscattering antennas | T04 IoT and M2M / Regular Session / Antennas |
| Panzeri, Alberto | 19 Mar 2020 | 17:40 | 18:00 | The MEKaP Project: Measuring Tropospheric Impairments at Ka Band with MEO Satellites | B8 | T09-P13 | Propagation Aspects in Remote Sensing | T09 Space (incl. cubesat) / Regular Session / Propagation |
| Paonessa, Fabio | 17 Mar 2020 | 13:20 | 13:20 | C Band Self Diplexed Tx/Rx Feed System for Telecom | Exhibition Hall | Poster1-A18 | Poster Session 1: Reflector, feed systems, and components | Antennas |
| Paonessa, Fabio | 17 Mar 2020 | 16:40 | 17:00 | Characteristic Mode Analysis of Multi-Octave Asymmetric Dipoles | B8 | CS15 | Antennas for Radio Astronomy | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Paonessa, Fabio | 18 Mar 2020 | 11:20 | 11:40 | Comparison Between Measured and Simulated Antenna Patterns for a LOFAR LBA Array | B11 | T06-M10 | UAV-Based Antenna Measurements (AMTA) | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Measurements |
| Paonessa, Fabio | 18 Mar 2020 | 11:40 | 12:00 | A Drone-Mounted Q-Band Test-Source for the Validation of the Large Scale Polarization Explorer | B11 | T06-M10 | UAV-Based Antenna Measurements (AMTA) | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Measurements |
| Papadopolou, Maria | 18 Mar 2020 | 13:20 | 13:20 | Multiband Patch Antenna Design for RF Energy Harvesting Applications Using Coyote Optimization Algorithm | A2 (Poster Area) | Convened Poster 2-CS61 | Signal Processing Techniques for Advanced Electromagnetics Synthesis, Analysis, and Measurements | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Papanicolaou, Nectarios | 18 Mar 2020 | 13:20 | 13:20 | Effects of Common Approximations in the Modeling of a Liquid-Crystal-Based Patch Antenna: A Numerical Investigation | Exhibition Hall | Poster2-E03 | Poster Session 2: Computational and numerical techniques | Electromagnetics |
| Papazian, Peter | 17 Mar 2020 | 09:30 | 09:50 | Penetration Loss at 60 GHz for Indoor-to-Indoor and Outdoor-to-Indoor Mobile Scenarios | A3 | CS35 | IET/IRACON Session: Propagation Measurements and Modelling for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Parada, Diego | 17 Mar 2020 | 13:20 | 13:20 | Modified Two-Ray Model with UTD and Atmospheric Effects | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Paraskevopoulos, Anastasios | 18 Mar 2020 | 13:20 | 13:20 | Analytical Study of Dielectric-wall Conical Horn Antennas | A2 (Poster Area) | Convened Poster 2-CS50 | Novel Wave Phenomena in Metamaterials and Metasurfaces Applied to Antennas and Propagation | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Parikh, Kush | 20 Mar 2020 | 09:50 | 10:10 | A Novel U-slot Aperture Coupled Annular-Ring Microstrip Patch Antenna for Multiband GNSS Applications | B7 | T06-A11 | Aircraft antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Parini, Clive | 18 Mar 2020 | 08:30 | 08:50 | Examining and Optimising Far-Field Multi-Probe Anechoic Chambers for SGNR OTA Testing of Massive MIMO Systems | A3 | CS06 | AMTA/IRACON Session: Over-The-Air Testing of 5G Radios | T02 Millimetre wave 5G / Convened Session / Measurements |
| Park, Byeongyong | 19 Mar 2020 | 13:20 | 13:20 | A Reverse Engineering Based on Insertion Loss for Estimating Sheet Resistance of Transparent Antenna | Exhibition Hall | Poster3-A23 | Poster Session 3: Other antenna topics | Antennas |
| Park, Chan-Sun | 17 Mar 2020 | 13:20 | 13:20 | A Nesting Approach for the Numerical Analysis of MRI Birdcage Antennas in the Presence of the Human Head | A2 (Poster Area) | Convened Poster 1-CS27 | Electromagnetics in MRI Applications | T05 Biomedical and health / Convened Session / Electromagnetics |
| Park, HeeJun | 17 Mar 2020 | 08:30 | 08:50 | A Small Metamaterial Dual-Band Dipole Antenna Fed by Small Metamaterial Balanced-Feed | B2 | CS16 | Antennas in IoT Wireless Devices: Modelling and Industrial Considerations | T04 IoT and M2M / Convened Session / Antennas |
| Park, HeeJun | 20 Mar 2020 | 08:30 | 08:50 | A Novel Metamaterial Dual-band GPS Antenna Extendable to Space Diversity Applications | B1 | CS33 | IET Session: New Antenna Systems Involving Application of Metamaterials and Metasurfaces | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Park, Ikmo | 18 Mar 2020 | 13:20 | 13:20 | Compact Circularly Polarized E-Shaped Crossed-Dipole Antenna | Exhibition Hall | Poster2-A08 | Poster Session 2: Electrically small antennas | Antennas |
| Park, Ikmo | 18 Mar 2020 | 13:20 | 13:20 | Human Motion Detection Using Planar Array FMCW Radar Through 3D Point Clouds | Exhibition Hall | Poster2-P12 | Poster Session 2: Radar, localisation, and sensing | Propagation |
| Park, Jae-Joon | 16 Mar 2020 | 14:30 | 14:50 | 28-GHz High-Speed Train Measurements and Propagation Characteristics Analysis | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Park, Jae-Joon | 17 Mar 2020 | 09:10 | 09:30 | Multipath Characteristics of Outdoor-To-Indoor Propagation Based on 32-GHz Measurements | A3 | CS35 | IET/IRACON Session: Propagation Measurements and Modelling for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Park, Junho | 17 Mar 2020 | 11:00 | 11:20 | Metal Stamped Antenna-in-Package for Millimeter-wave Large-scale Phased-array Applications Using Multiphysics Analysis | B1 | CS38 | ISAP Session: Recent Advances in Asian Antennas and Propagation Research | T02 Millimetre wave 5G / Convened Session / Antennas |
| Park, Junsik | 19 Mar 2020 | 13:20 | 13:20 | Design of Dual-band Coupled-fed Dipole Array Antenna Element for PCL Systems | Exhibition Hall | Poster3-A11 | Poster Session 3: Multiband and wideband antennas | Antennas |

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|-------------------------------|-------------|-------|-------|---|------------------|------------------------|---|--|
| Park, Seongjin | 19 Mar 2020 | 13:20 | 13:20 | Holographic Antenna Using Slotted Hologram Patterns for High Efficiency | Exhibition Hall | Poster3-A23 | Poster Session 3: Other antenna topics | Antennas |
| Park, Soonwoo | 20 Mar 2020 | 09:30 | 09:50 | Negative Reflection and Refraction and Filter Characteristics in the Leaky Wave-supportable Gratings - TE Polarization Case | B4 | T11-E06 | Scattering and diffraction | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Park, Youngju | 20 Mar 2020 | 09:30 | 09:50 | Design of Airborne Small Ultra-Wideband Spinning Direction Finding Antennas | B7 | T06-A11 | Aircraft antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Parker, Edward | 20 Mar 2020 | 11:00 | 11:20 | Evaluation of Aerosol Jet Printing of Frequency Selective Surface on Glass for Building and RF Applications | B1 | CS33 | IET Session: New Antenna Systems Involving Application of Metamaterials and Metasurfaces | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Parrella, Sara | 19 Mar 2020 | 16:40 | 17:00 | Multichip RFID Epidermal Sensor for Body Temperature Monitoring | B6 | T05-A12/3 | Body area antennas and sensor systems | T05 Biomedical and health / Regular Session / Antennas |
| Parrón Granados, Josep | 16 Mar 2020 | 16:40 | 17:00 | Multichannel Dynamic Directional Modulation with Software Defined Radio | B4 | T07-A17 | Multiband, wideband and array antennas | T07 Defence and security / Regular Session / Antennas |
| Pärssinen, Aarno | 16 Mar 2020 | 16:20 | 16:40 | Dual-band Dual-polarized Antenna for mm-Wave 5G Base Station Antenna Array | A2 | T02-A04/1 | Millimetre wave arrays for mobile communications | T02 Millimetre wave 5G / Regular Session / Antennas |
| Pärssinen, Aarno | 18 Mar 2020 | 13:20 | 13:20 | A Multiple-Feed Connected Leaky Slot Antenna for In-Antenna Power Combining in 0.13Um SiGe BiCMOS Technology | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Pärssinen, Aarno | 18 Mar 2020 | 13:20 | 13:20 | Depolarization Due to Wedge Diffraction in Satellite Radiowave Communication | Exhibition Hall | Poster2-E06 | Poster Session 2: Scattering and diffraction | Electromagnetics |
| Pärssinen, Aarno | 19 Mar 2020 | 17:20 | 17:40 | Sea Surface Characterization Using Dual Polarized GNSS Reception System | B8 | T09-P13 | Propagation Aspects in Remote Sensing | T09 Space (incl. cubesat) / Regular Session / Propagation |
| Pascal, Olivier | 18 Mar 2020 | 13:20 | 13:20 | Design of a Tunable Subwavelength Plasma-Based Resonator for Electrically Small Antenna Applications in L-band | A2 (Poster Area) | Convened Poster 2-CS29 | Exotic Antennas from Nano to Macro Scales | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Pascaud, Romain | 18 Mar 2020 | 13:20 | 13:20 | Design of a Tunable Subwavelength Plasma-Based Resonator for Electrically Small Antenna Applications in L-band | A2 (Poster Area) | Convened Poster 2-CS29 | Exotic Antennas from Nano to Macro Scales | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Pascasio, Vito | 18 Mar 2020 | 10:40 | 11:00 | Machine Learning for Microwave Imaging | B9 | CS66 | Unconventional Techniques and Applications for Inverse Scattering Problems | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Pascasio, Vito | 19 Mar 2020 | 11:00 | 11:20 | Qualitative Imaging of Experimental Multistatic Ground Penetrating Radar Data | B9 | T10-E05/1 | Electromagnetic Methods for Direct and Inverse Scattering Involving Stratified Media | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Paschaloudis, Konstantinos D. | 17 Mar 2020 | 13:20 | 13:20 | Design of Millimeter Wave True-Time-Delay Beam-formers for 5G Wireless Systems | A2 (Poster Area) | Convened Poster 1-CS10 | Antenna Array and Integrated Systems for 5G Communication Applications | T02 Millimetre wave 5G / Convened Session / Antennas |
| Pascual Laguna, Alejandro | 17 Mar 2020 | 13:20 | 13:20 | Broadband Beam-Steering with Focused Connected Arrays in Quasi-Optical Systems | Exhibition Hall | Poster1-A18 | Poster Session 1: Reflector, feed systems, and components | Antennas |
| Pascual Laguna, Alejandro | 18 Mar 2020 | 13:20 | 13:20 | Wideband Superconducting Integrated Filter-bank for THz Astronomy | Exhibition Hall | Poster2-P13 | Poster Session 2: Radio science and remote sensing | Propagation |
| Pascual, Alvaro J | 16 Mar 2020 | 17:00 | 17:20 | A Photonic Beam-Steerable Mm-wave Antenna Array for Radio over Fiber Applications | A2 | T02-A04/1 | Millimetre wave arrays for mobile communications | T02 Millimetre wave 5G / Regular Session / Antennas |
| Pascual-García, Juan | 17 Mar 2020 | 13:20 | 13:20 | Experimental Study of Dispersion/Attenuation by Trees from 1 to 40 GHz | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Pascual-García, Juan | 17 Mar 2020 | 13:20 | 13:20 | Transmission Loss Evaluation for Fabry-Perot Materials' Characterization | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Pasian, Marco | 17 Mar 2020 | 11:40 | 12:00 | Potentialities of Inverse Scattering Techniques for Breast Cancer Imaging at Millimeter-Waves Frequencies | B7 | SW02 | COST Session CA17115 (MyWAVE): Developments in Electromagnetic-Based Medical Technologies | T05 Biomedical and Health / Convened Session / Electromagnetics |
| Pasian, Marco | 17 Mar 2020 | 12:00 | 12:20 | Performance Trends at 26 GHz for a Receiving Ground Station at Polar Latitudes: The SNOWBEAR Project | B8 | T09-P08 | Satellite propagation | T09 Space (incl. cubesat) / Regular Session / Propagation |
| Pasian, Marco | 17 Mar 2020 | 13:20 | 13:20 | Identification of Multi-Temporal Snow Melting Patterns with Microwave Radars | A2 (Poster Area) | Convened Poster 1-CS08 | Analysis, Design and Use of Microwave Techniques, Models, Systems, and Antennas for Snowpack Avalanches Monitoring | T08 Positioning, localization & tracking / Convened Session / Propagation |
| Pasian, Marco | 17 Mar 2020 | 13:20 | 13:20 | Upgrade to the K-band Uplink Channel for the ESA Deep Space Antennas: Analysis of the Optics and Preliminary Dichroic Mirror Design | Exhibition Hall | Poster1-A18 | Poster Session 1: Reflector, feed systems, and components | Antennas |
| Pasian, Marco | 18 Mar 2020 | 10:40 | 11:00 | On the Dielectric/Thermal Characterization and Calibration of Solutions and Materials for Biomedical Applications | B6 | SW03 | COST Session CA17115 (MyWAVE): Supporting Medical Device Development via Dielectric and Thermal Tissue Characterization | T05 Biomedical and health / Convened Session / Measurements |
| Passerieux, Damien | 19 Mar 2020 | 17:00 | 17:20 | Polarization Reconfiguration of a Millimeter-Waves Antenna Using the Optical Control of Phase Change Materials | A3 | CS49 | Novel Techniques for Beam Manipulation at Millimeter | T02 Millimetre wave 5G / Convened Session / Antennas |
| Pastorino, Matteo | 16 Mar 2020 | 17:00 | 17:20 | Microwave Imaging of Cervical Myelopathy: A Preliminary Feasibility Assessment | B8 | T05-E05 | Microwave imaging | T05 Biomedical and health / Regular Session / Electromagnetics |

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| Pastorino, Matteo | 17 Mar 2020 | 10:40 | 11:00 | A Tomographic Multistatic System for Biomedical Microwave Sensing | B6 | CS60 | Sensors and Systems for Microwave Biomedical Imaging and Sensing | T05 Biomedical and health / Convened Session / Antennas |
| Pastorino, Matteo | 18 Mar 2020 | 08:50 | 09:10 | Inverse Scattering in the Framework of Unconventional Lebesgue Spaces: A Case Study | B9 | CS66 | Unconventional Techniques and Applications for Inverse Scattering Problems | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Pastorino, Matteo | 19 Mar 2020 | 11:40 | 12:00 | Forward and Inverse Scattering Models Applied to Through-Wall Imaging | B9 | T10-E05/1 | Electromagnetic Methods for Direct and Inverse Scattering Involving Stratified Media | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Pastoriza-Santos, Vicente | 17 Mar 2020 | 13:20 | 13:20 | Problems While Setting the Reference Level in a Satellite Beacon Receiver Propagation Experiment at Ka-band | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Pathak, Prabhakar H. | 17 Mar 2020 | 17:00 | 17:20 | A Uniform Theory of Diffraction for a Curved PEC Wedge Excited by an Obliquely Incident Astigmatic Electromagnetic Gaussian Beam | B9 | CS32 | High-Frequency Methods and Applications | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Pathak, Prabhakar H. | 18 Mar 2020 | 09:10 | 09:30 | A Brief History of Ray Methods from Ancient to Modern Times and Their Impact on Electromagnetic Engineering Applications | B11 | BC/2 | History of Electromagnetism 2 | T13 Bicentennial Session / Electromagnetics |
| Patriotis, Marios | 17 Mar 2020 | 17:20 | 17:40 | Four-Element Beam Switching Antenna for Compact IoT Devices | B1 | CS58 | Reconfigurable Antennas for Compact Devices | T04 IoT and M2M / Convened Session / Antennas |
| Paul, Princy | 16 Mar 2020 | 16:00 | 16:20 | A Copper Strip Array Loaded Multiband Square Slot Antenna | B4 | T07-A17 | Multiband, wideband and array antennas | T07 Defence and security / Regular Session / Antennas |
| Pauli, Mario | 17 Mar 2020 | 17:00 | 17:20 | Extraction of Scattering Centers Using a Greedy Algorithm for Traffic Participant | B7 | CS03 | Advanced Radar Measurements, Modelling and System Solutions for Vehicular Applications | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Convened Session / Measurements |
| Paulides, Margarethus M. | 17 Mar 2020 | 09:10 | 09:30 | Influence of the BSD-2000 3D/MR Hyperthermia Applicator on MR Image Quality: A Quantitative Assessment | B7 | SW02 | COST Session CA17115 (MyWAVE): Developments in Electromagnetic-Based Medical Technologies | T05 Biomedical and Health / Convened Session / Electromagnetics |
| Paulides, Margarethus M. | 17 Mar 2020 | 09:30 | 09:50 | The Required Patient Modeling Realism in Radiofrequency Heating Simulation Studies | B7 | SW02 | COST Session CA17115 (MyWAVE): Developments in Electromagnetic-Based Medical Technologies | T05 Biomedical and Health / Convened Session / Electromagnetics |
| Paulides, Margarethus M. | 19 Mar 2020 | 11:00 | 11:20 | Characterization of an Integrated Radiofrequency System for MR-guided Hyperthermia | B7 | T11-P10 | Propagation in biological tissues | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Paulus, Alexander | 16 Mar 2020 | 13:50 | 14:10 | Exploiting Spatial Derivative Information in Phaseless Near-Field Far-Field Transformations | B7 | CS05 | AMTA Session: Automotive Antenna Measurements and Testing | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Convened Session / Measurements |
| Paulus, Alexander | 19 Mar 2020 | 17:00 | 17:20 | Improved-Reliability Phase-Retrieval with Broadband Antenna Measurements | B10 | CS48 | Novel Antenna Measurement Data Analysis and Techniques | T11 Fundamental research and emerging technologies / Convened Session / Measurements |
| Pavlov, Nikolai | 19 Mar 2020 | 18:00 | 18:20 | A 3D Printed Luneburg Lens Fabricated by Fused Deposition Modelling | B4 | CS63 | State of the Art in Antenna Research in Russia | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Pavlovic, Milos | 17 Mar 2020 | 11:00 | 11:20 | 3D EM Simulation Environment for Development, Testing, and Functioning of Internet of Things | B2 | CS16 | Antennas in IoT Wireless Devices: Modelling and Industrial Considerations | T04 IoT and M2M / Convened Session / Antennas |
| Pavone, Santi Concetto | 18 Mar 2020 | 13:20 | 13:20 | Electronically-Tunable Scanning Antennas by Using Slotted Rectangular Waveguides Loaded by Reconfigurable Surface Susceptances | Exhibition Hall | Poster2-A10 | Poster Session 2: Slotted-waveguide and leaky-wave antennas | Antennas |
| Pavone, Santi Concetto | 19 Mar 2020 | 09:10 | 09:30 | An Overview of the Techniques to Generate Limited-diffractive Bessel Beams and Localized Pulses by Using RLSA and Leaky-Wave Antennas | B4 | CS44 | Near-Field Focusing and Pulse Generation Through Localized Waves | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Payami, Sohail | 18 Mar 2020 | 13:20 | 13:20 | Channel Measurement and Analysis for Polarimetric Wideband Outdoor Scenarios at 26 GHz: Directional Vs Omni-Directional | Exhibition Hall | Poster2-P05 | Poster Session 2: Mm-wave and UWB propagation | Propagation |
| Pechac, Pavel | 17 Mar 2020 | 13:20 | 13:20 | On Separation of Wet Antenna Effects from Rain Attenuation Measurements | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Pedersen, Gert | 16 Mar 2020 | 15:10 | 15:30 | Wideband Radio Channel Emulation Using Band-stitching Schemes | B7 | CS05 | AMTA Session: Automotive Antenna Measurements and Testing | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Convened Session / Measurements |
| Pedersen, Gert | 17 Mar 2020 | 09:10 | 09:30 | A Novel Lens Antenna Design Based on a Bed of Nails Metasurface for New Generation Mobile Devices | A2 | T02-A04/2 | Millimetre wave arrays for mobile terminals | T02 Millimetre wave 5G / Regular Session / Antennas |
| Pedersen, Gert | 17 Mar 2020 | 10:40 | 11:00 | Frequency Reconfigurable Endfire Vertical Polarized Array for 5G Handset Applications | A2 | T02-A04/2 | Millimetre wave arrays for mobile terminals | T02 Millimetre wave 5G / Regular Session / Antennas |
| Pedersen, Gert | 17 Mar 2020 | 13:20 | 13:20 | Wind Turbine Blade Deflection Sensing Using Blade-Mounted Ultrawideband Antennas | A2 (Poster Area) | Convened Poster 1-CS57 | Recent Research on Wind Turbines: EM Modelling and Measurements | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Pedersen, Gert | 17 Mar 2020 | 13:20 | 13:20 | Measured Millimeter-Wave Channels in Corridor Scenarios with Large-Scale Antenna Arrays | Exhibition Hall | Poster1-P03 | Poster Session 1: Channel sounding and parameter estimation techniques | Propagation |
| Pedersen, Gert | 18 Mar 2020 | 09:10 | 09:30 | On Noise and Interference Modeling for Over-the-air Testing of MIMO Terminals | A3 | CS06 | AMTA/IRACON Session: Over-The-Air Testing of 5G Radios | T02 Millimetre wave 5G / Convened Session / Measurements |
| Pedersen, Gert | 18 Mar 2020 | 09:10 | 09:30 | User Body Effects on Mobile Antennas and Wireless Systems of 5G Communication | B2 | CS62 | Small Antenna in a Human Body Environment | T04 IoT and M2M / Convened Session / Antennas |
| Pedersen, Gert | 18 Mar 2020 | 11:00 | 11:20 | Measured Activity in 860 MHz Channels | B10 | T11-P04 | Experimental methods and campaigns | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Pedersen, Gert | 18 Mar 2020 | 13:20 | 13:20 | Millimeter-Wave Wide Scan Beam Steering 5G MIMO Antenna Array in Mobile Terminals | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |

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| Pedersen, Gert | 18 Mar 2020 | 13:20 | 13:20 | Retrieval of Effective Permittivity and Permeability of Periodic Structures on Dielectric and Magnetic Substrates | Exhibition Hall | Poster2-E07 | Poster Session 2: Frequency and polarization selective surfaces | Electromagnetics |
| Pedersen, Gert | 18 Mar 2020 | 13:20 | 13:20 | Cluster Intensity and Spread Characteristics in Classroom Scenario at 10 and 28 GHz Bands | Exhibition Hall | Poster2-P05 | Poster Session 2: Mm-wave and UWB propagation | Propagation |
| Pedersen, Gert | 19 Mar 2020 | 08:30 | 08:50 | A USRP-based Channel Sounder for UAV Communications | B7 | T06-P09 | Propagation for Unmanned Aerial Vehicles (UAVs) | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Propagation |
| Pedersen, Gert | 19 Mar 2020 | 11:20 | 11:40 | Effect of Dielectric Properties of Human Hand Tissue on Mobile Terminal Antenna Performance | A2 | T01-A02 | Terminal antennas and interactions with surroundings | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Pedersen, Gert | 19 Mar 2020 | 13:20 | 13:20 | Shared Aperture Dual S- And X-band Antenna for Nano-Satellite Applications | Exhibition Hall | Poster3-A11 | Poster Session 3: Multiband and wideband antennas | Antennas |
| Pedersen, Gert | 20 Mar 2020 | 12:00 | 12:20 | Transparent mm-Wave Array on a Glass Substrate with Surface Wave Reduction | B10 | CS11 | Antenna Design and Fundamental Bounds with External Constraints | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Pedersen, Troels | 17 Mar 2020 | 13:20 | 13:20 | Joint Statistical Modeling of Received Power, Mean Delay, and Delay Spread for Indoor Wideband Radio Channels | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Pei, Huiling | 19 Mar 2020 | 13:20 | 13:20 | Impact of Probe Coupling on Emulation Accuracy in Massive MIMO OTA Testing | Exhibition Hall | Poster3-M09 | Poster Session 3: MIMO and OTA testing | Measurements |
| Pei, Yao | 18 Mar 2020 | 13:20 | 13:20 | Impact of Parameters Variability on the Performances of an Implanted Antenna for Biomedical Applications | Exhibition Hall | Poster2-E03 | Poster Session 2: Computational and numerical techniques | Electromagnetics |
| Peitzmeier, Nikolai | 18 Mar 2020 | 11:00 | 11:20 | Systematic Design Method for Asymmetric Multiport Antennas Based on Characteristic Modes | B1 | CS45 | New Perspectives and Applications of Characteristic Mode Analysis in Antenna Design | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Peixeiro, Custodio | 20 Mar 2020 | 12:00 | 12:20 | Performance Assessment of a Reconfigurable Circularly Polarized Reflectarray at K-Band | B8 | CS59 | Reconfigurable Reflectarray and Transmitarrays | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Peled-Eitan, Liat | 19 Mar 2020 | 11:40 | 12:00 | Channel Modeling for Wireless Sensor Networks Deployment in the Smart City | B1 | T01-P02 | Propagation modelling and simulation | T01 LTE and Sub-6GHz 5G / Regular Session / Propagation |
| Pelicano, Ana Catarina | 17 Mar 2020 | 09:30 | 09:50 | Head and Neck Numerical Phantom Development for Cervical Lymph Node Microwave Imaging | B6 | CS60 | Sensors and Systems for Microwave Biomedical Imaging and Sensing | T05 Biomedical and health / Convened Session / Antennas |
| Pelorossi, Fabio | 17 Mar 2020 | 13:20 | 13:20 | K-band Feed and Transceiver with Compact Monopulse Tracking Coupler for Deep Space Applications | Exhibition Hall | Poster1-A18 | Poster Session 1: Reflector, feed systems, and components | Antennas |
| Pelorossi, Fabio | 17 Mar 2020 | 13:20 | 13:20 | Upgrade to the K-band Uplink Channel for the ESA Deep Space Antennas: Analysis of the Optics and Preliminary Dichroic Mirror Design | Exhibition Hall | Poster1-A18 | Poster Session 1: Reflector, feed systems, and components | Antennas |
| Peng, Zhen | 19 Mar 2020 | 11:00 | 11:20 | On the Information Entropy of Diffusive Multipath Scattering Environments | B8 | CS30 | Fundamental Challenges and Novel Methodologies in the Next-Generation Computational Electromagnetics | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Penty, Richard | 19 Mar 2020 | 13:20 | 13:20 | A UHF RFID Reader Antenna with Tunable Axial Ratio and Fixed Beamwidth | Exhibition Hall | Poster3-A15 | Poster Session 3: RFID antennas/sensors and systems | Antennas |
| Pereira da Silva, Higo Thaian | 19 Mar 2020 | 09:50 | 10:10 | Cell-Free at Millimeter Wave Frequency Simulation Using the Ray Tracing Method | B1 | T02-P02 | Millimetre wave propagation modelling | T02 Millimetre wave 5G / Regular Session / Propagation |
| Pereira, Paulo Tibúrcio | 17 Mar 2020 | 13:20 | 13:20 | Analysis of Radiowave Propagation in Forest Media Using the Parabolic Equation | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Pereira, Paulo Tibúrcio | 17 Mar 2020 | 13:20 | 13:20 | Multiple Screen Diffraction Analysis Using the Parabolic Equation Technique | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Perennec, Andre | 17 Mar 2020 | 13:20 | 13:20 | 4-40 GHz In-Phase/180° Out-of-Phase Power Dividers with Enhanced Isolation | Exhibition Hall | Poster1-A18 | Poster Session 1: Reflector, feed systems, and components | Antennas |
| Pérez, Dayan | 18 Mar 2020 | 13:20 | 13:20 | A Gap Waveguide Fed Circular Polarization Antennas in the Millimeter Wave Range | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Perez, Jose M. | 18 Mar 2020 | 10:40 | 11:00 | Comparison of Modified Soret Lenses for Dual Band Integrated Detectors | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Perez, Mauricio D | 16 Mar 2020 | 14:50 | 15:10 | Miniaturized CPW-fed Bowtie Slot Antenna for Wearable Biomedical Application | B6 | T05-A12/1 | Wearable and implantable antennas | T05 Biomedical and health / Regular Session / Antennas |
| Perez, Mauricio D | 16 Mar 2020 | 17:40 | 18:00 | A Low Profile Button Antenna with Back Radiation Reduced by FSS | B6 | T05-A12/1 | Wearable and implantable antennas | T05 Biomedical and health / Regular Session / Antennas |
| Perez, Mauricio D | 18 Mar 2020 | 13:20 | 13:20 | Neural Network Approach for Dielectric Characterization of Tissues in Microwave Frequencies Using Coplanar Waveguide Transmission | Exhibition Hall | Poster2-E03 | Poster Session 2: Computational and numerical techniques | Electromagnetics |
| Perez, Mauricio D | 18 Mar 2020 | 13:20 | 13:20 | A New Focused Hyperthermia Based on SpaceFrequency DORT | Exhibition Hall | Poster2-E05 | Poster Session 2: Imaging and inverse scattering | Electromagnetics |
| Perez, Mauricio D | 18 Mar 2020 | 13:20 | 13:20 | Pathloss Calculation for Fat-Intra Body Communication Using Poynting Vector Theory | Exhibition Hall | Poster2-P10 | Poster Session 2: Propagation in biological tissues and body-area propagation | Propagation |
| Perez, Mauricio D | 19 Mar 2020 | 09:10 | 09:30 | Clustering of Dielectric and Colour Profiles of an Ex-vivo Burnt Human Skin Sample | B6 | T05-A12/2 | Point of Care Microwave Sensors | T05 Biomedical and health / Regular Session / Antennas |
| Perez, Mauricio D | 19 Mar 2020 | 09:30 | 09:50 | Non-Invasive Transmission Based Tumor Detection Using Anthropomorphic Breast Phantom at 2.45 GHz | B6 | T05-A12/2 | Point of Care Microwave Sensors | T05 Biomedical and health / Regular Session / Antennas |
| Perez, Mauricio D | 19 Mar 2020 | 10:40 | 11:00 | Low Profile Implantable Antenna for Fat Intra-Body Communication | B6 | T05-A12/2 | Point of Care Microwave Sensors | T05 Biomedical and health / Regular Session / Antennas |

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|----------------------------|-------------|-------|-------|---|------------------|------------------------|---|---|
| Perez, Mauricio D | 19 Mar 2020 | 13:20 | 13:20 | Design of Constant Width Branch Line Directional Coupler for the Microwave Sensing Application | Exhibition Hall | Poster3-M11 | Poster Session 3:Other measurement topics | Measurements |
| Perez, Mauricio D | 19 Mar 2020 | 13:20 | 13:20 | Reflectometry Enhancement by Saline Injection in Microwave-based Skin Burn Injury Diagnosis | Exhibition Hall | Poster3-M11 | Poster Session 3:Other measurement topics | Measurements |
| Perez-Cisneros, Jose-Ramon | 20 Mar 2020 | 08:30 | 08:50 | Integrated Doherty Power Amplifier - Antenna Element with Active Impedance Modulation: Efficiency vs. Bandwidth Trade-Offs | A2 | T01-A22 | MIMO, diversity, smart antennas & signal processing | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Pérez-Fontán, Fernando | 17 Mar 2020 | 13:20 | 13:20 | Problems While Setting the Reference Level in a Satellite Beacon Receiver Propagation Experiment at Ka-band | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Pérez-Peña, Santiago | 17 Mar 2020 | 09:30 | 09:50 | Heights of the 0°C Isotherm and the Bright Band in Madrid: Comparison and Variability | B8 | T09-P08 | Satellite propagation | T09 Space (incl. cubesat) / Regular Session / Propagation |
| Perregrini, Luca | 17 Mar 2020 | 13:20 | 13:20 | Upgrade to the K-band Uplink Channel for the ESA Deep Space Antennas: Analysis of the Optics and Preliminary Dichroic Mirror Design | Exhibition Hall | Poster1-A18 | Poster Session 1:Reflector, feed systems, and components | Antennas |
| Perrini, Franco | 17 Mar 2020 | 13:20 | 13:20 | C Band Self Diplexed Tx/Rx Feed System for Telecom | Exhibition Hall | Poster1-A18 | Poster Session 1:Reflector, feed systems, and components | Antennas |
| Persson, Mikael | 17 Mar 2020 | 09:50 | 10:10 | Integrating Nodal Adjoint Jacobian Method in the Discrete Dipole Approximation-based Image Reconstruction Algorithm | B6 | CS60 | Sensors and Systems for Microwave Biomedical Imaging and Sensing | T05 Biomedical and health / Convened Session / Antennas |
| Peruga, Ismael | 17 Mar 2020 | 13:20 | 13:20 | Analysis of Snow Water Equivalent (SWE) of Snowpack by an Ultra Wide Band Step Frequency Continuous Wave Radar (SFCW) | A2 (Poster Area) | Convened Poster 1-CS08 | Analysis, Design and Use of Microwave Techniques, Models, Systems, and Antennas for Snowpack Avalanches Monitoring | T08 Positioning, localization & tracking / Convened Session / Propagation |
| Petek, Martin | 18 Mar 2020 | 13:20 | 13:20 | Fully-Metallic Rinehart-Luneburg Lens at 60 GHz | A2 (Poster Area) | Convened Poster 2-CS36 | Innovative Lens Antennas for Future Communication Systems | T02 Millimetre wave 5G / Convened Session / Antennas |
| Peter, Michael | 17 Mar 2020 | 11:20 | 11:40 | Measurement and Characterization of an Indoor Industrial Environment at 3.7 and 28 GHz | A3 | CS35 | IET/IRACON Session: Propagation Measurements and Modelling for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Pettersson, Robert | 18 Mar 2020 | 10:40 | 11:00 | A Triband Wire Antenna for All Radio and TV Bands | B7 | T06-A17 | Automotive antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Petersson, Sven O. | 20 Mar 2020 | 09:10 | 09:30 | Power-Efficient Beam Pattern Synthesis via Dual Polarization Beamforming | A2 | T01-A22 | MIMO, diversity, smart antennas & signal processing | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Petrov, Pavel | 16 Mar 2020 | 14:30 | 14:50 | Experimental Demonstration of Artificial Magnetic Conductors Constructed of Magnetically Coupled Helices | B4 | T07-A | Antenna theory and system design | T07 Defence and security / Regular Session / Antennas |
| Petrov, Vitaly | 18 Mar 2020 | 13:20 | 13:20 | Measurements of Reflection and Penetration Losses in Low Terahertz Band Vehicular Communications | Exhibition Hall | Poster2-P09 | Poster Session 2: Propagation for vehicular communications | Propagation |
| Peverini, Oscar A. | 17 Mar 2020 | 13:20 | 13:20 | C Band Self Diplexed Tx/Rx Feed System for Telecom | Exhibition Hall | Poster1-A18 | Poster Session 1:Reflector, feed systems, and components | Antennas |
| Peverini, Oscar A. | 17 Mar 2020 | 16:40 | 17:00 | Characteristic Mode Analysis of Multi-Octave Asymmetric Dipoles | B8 | CS15 | Antennas for Radio Astronomy | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Peverini, Oscar A. | 18 Mar 2020 | 11:40 | 12:00 | A Drone-Mounted Q-Band Test-Source for the Validation of the Large Scale Polarization Explorer | B11 | T06-M10 | UAV-Based Antenna Measurements (AMTA) | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Measurements |
| Peyman, Azadeh | 18 Mar 2020 | 09:50 | 10:10 | Dielectric Properties of Biological Tissues at Frequencies Below 1 MHz: Development of an Improved Measurement Technique | B6 | SW03 | COST Session CA17115 (MyWAVE): Supporting Medical Device Development via Dielectric and Thermal Tissue Characterization | T05 Biomedical and health / Convened Session / Measurements |
| Peyman, Azadeh | 18 Mar 2020 | 12:00 | 12:20 | Dielectric Properties of Tissues Historical Aspects and Measurement Challenges | B6 | SW03 | COST Session CA17115 (MyWAVE): Supporting Medical Device Development via Dielectric and Thermal Tissue Characterization | T05 Biomedical and health / Convened Session / Measurements |
| Pfeifer, Serge | 17 Mar 2020 | 11:00 | 11:20 | Near-to-Near- And Near-to-Far-Field Transformation for Millimeter-Wave Frequencies | B4 | T10-M10 | General Antenna Measurements | T10 EM modelling and simulation tools / Regular Session / Measurements |
| Pfeifer, Serge | 20 Mar 2020 | 09:10 | 09:30 | Maximum Exposure Assessment of millimeter-Wave Array Antennas | B2 | T05-M06 | Dosimetry, exposure, and SAR assessment | T05 Biomedical and health / Regular Session / Measurements |
| Pfrommer, Andreas | 18 Mar 2020 | 13:20 | 13:20 | Automated Measurement Setup for the On-body Link of Wireless Body Area Networks | Exhibition Hall | Poster2-P10 | Poster Session 2: Propagation in biological tissues and body-area propagation | Propagation |
| Pham, Trung Kien | 18 Mar 2020 | 13:20 | 13:20 | Transmit-Arrays at Ka-band for Harsh Environment | A2 (Poster Area) | Convened Poster 2-CS14 | Antennas for Harsh Environment | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Pham, Viet-Duc | 19 Mar 2020 | 13:20 | 13:20 | Waveform Optimization for Efficiency Improvement of Traditional RF-to-dc Rectifiers Without Input Matching Network | Exhibition Hall | Poster3-A20 | Poster Session 3: Antennas for wireless power transmission and harvesting | Antennas |
| Pham, Viet-Duc | 19 Mar 2020 | 13:20 | 13:20 | Impact of Multisine and RF Pulse Signals on the Efficiency of Different Rectifier Topologies for WPT | Exhibition Hall | Poster3-A20 | Poster Session 3: Antennas for wireless power transmission and harvesting | Antennas |
| Phan, Huy | 18 Mar 2020 | 08:30 | 08:50 | VoglerNet: Multiple Knife-Edge Diffraction Using Deep Neural Network | B10 | T11-P02/2 | Machine Learning in Radio Propagation | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Phan-Huy, Dinh-Thuy | 19 Mar 2020 | 13:20 | 13:20 | Reconfigurable SRR Antenna | Exhibition Hall | Poster3-A13 | Poster Session 3: Adaptive and reconfigurable antennas | Antennas |

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|------------------------------------|-------------|-------|-------|--|------------------|------------------------|---|--|
| Philippe, Pouliguen | 16 Mar 2020 | 13:30 | 13:50 | Quasi-Optical Excitation of a Circularly-Polarized Metasurface Antenna at K-band | B2 | CS21 | Challenges in Leaky Wave Antennas and Novel Approaches to Solve Them | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Philippe, Pouliguen | 17 Mar 2020 | 08:30 | 08:50 | Radar Cross Section Measurement Within Reverberation Chamber: Stirrer Position Issues | B4 | T11-M02 | Radar scattering measurement and calibration techniques | T11 Fundamental research and emerging technologies / Regular Session / Measurements |
| Phillips, Nicolas | 20 Mar 2020 | 08:50 | 09:10 | Head Phantoms for Microwave Imaging of Brain Strokes | B6 | SW06 | H2020 Session ID764479 (EMERALD): Electromagnetic Imaging for a Novel Generation of Medical Devices | T05 Biomedical and health / Convened Session / Electromagnetics |
| Piat, Michel | 18 Mar 2020 | 11:00 | 11:20 | The Optical Combiner of QUBIC: The Q & U Bolometric Interferometer for Cosmology | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Picallo, Imanol | 20 Mar 2020 | 08:30 | 08:50 | Deterministic Radio Channel Characterization for Near-Ground Wireless Sensor Networks Deployment Optimization in Smart Agriculture | B9 | T10-P02 | Propagation modelling and simulation | T10 EM modelling and simulation tools / Regular Session / Propagation |
| Piche, Alexandre | 19 Mar 2020 | 13:20 | 13:20 | Flat Meta-Reflector for Broadband Circularly Polarized Parabolic Antenna | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Piche, Alexandre | 19 Mar 2020 | 13:20 | 13:20 | Phase-Gradient Metasurfaces for Efficient Conversion of Surface Wave to Propagating Wave | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Pichon, Lionel | 18 Mar 2020 | 13:20 | 13:20 | Impact of Parameters Variability on the Performances of an Implanted Antenna for Biomedical Applications | Exhibition Hall | Poster2-E03 | Poster Session 2: Computational and numerical techniques | Electromagnetics |
| Picirillo, Lucio | 18 Mar 2020 | 11:00 | 11:20 | The Optical Combiner of QUBIC: The Q & U Bolometric Interferometer for Cosmology | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Pierezan, Juliano | 18 Mar 2020 | 13:20 | 13:20 | Multiband Patch Antenna Design for RF Energy Harvesting Applications Using Coyote Optimization Algorithm | A2 (Poster Area) | Convened Poster 2-CS61 | Signal Processing Techniques for Advanced Electromagnetics Synthesis, Analysis, and Measurements | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Pierre Sabouroux, Pierre Sabouroux | 17 Mar 2020 | 13:20 | 13:20 | A Nesting Approach for the Numerical Analysis of MRI Birdcage Antennas in the Presence of the Human Head | A2 (Poster Area) | Convened Poster 1-CS27 | Electromagnetics in MRI Applications | T05 Biomedical and health / Convened Session / Electromagnetics |
| Pierr, Rocco | 18 Mar 2020 | 11:00 | 11:20 | Warping Method for Probe Location in near/far Field Transformation | B9 | CS66 | Unconventional Techniques and Applications for Inverse Scattering Problems | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Pierr, Rocco | 19 Mar 2020 | 13:20 | 13:20 | Element Positioning Effect on the Performance of Conformal Arrays: Synthesis and Diagnostics | Exhibition Hall | Poster3-A06 | Poster Session 3: Conformal antennas | Antennas |
| Pietrenko-Dabrowska, Anna | 18 Mar 2020 | 13:20 | 13:20 | Fast Globalized Gradient-Based Optimization of Multi-Band Antennas by Means Smart Jacobian Updates and Response Features | Exhibition Hall | Poster2-E04 | Poster Session 2: Optimisation methods in EM | Electromagnetics |
| Pietrenko-Dabrowska, Anna | 18 Mar 2020 | 13:20 | 13:20 | Low-Cost Design-Oriented Surrogate Modeling of Multi-Band Antennas by Nested Kriging and Response Features | Exhibition Hall | Poster2-E04 | Poster Session 2: Optimisation methods in EM | Electromagnetics |
| Pigeon, Mélusine | 19 Mar 2020 | 13:20 | 13:20 | A 915 MHz Wristwatch-Integrated Antenna for Wireless Health Monitoring | Exhibition Hall | Poster3-A12 | Poster Session 3: Wearable and implantable antennas | Antennas |
| Pimienta-del-Valle, Domingo | 17 Mar 2020 | 09:10 | 09:30 | Fade Slope Analysis with Q-band Alphasat Satellite Measurements in Madrid | B8 | T09-P08 | Satellite propagation | T09 Space (incl. cubesat) / Regular Session / Propagation |
| Pinchera, Daniele | 18 Mar 2020 | 13:20 | 13:20 | Efficient and Effective Synthesis of Large Arrays for 5G and Beyond | A2 (Poster Area) | Convened Poster 2-CS61 | Signal Processing Techniques for Advanced Electromagnetics Synthesis, Analysis, and Measurements | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Pinhasi, Yosef | 19 Mar 2020 | 09:50 | 10:10 | Identifying low-RCS Targets Using micro-Doppler High-Resolution Radar in the Millimeter Waves | B7 | T06-P09 | Propagation for Unmanned Aerial Vehicles (UAVs) | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Propagation |
| Pinho, Pedro | 16 Mar 2020 | 16:40 | 17:00 | 3D Antenna Array for SWIPT Sensing with WPT Capabilities | B9 | CS43 | Near- and Far-Field Wireless Power Transfer | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Pino, Antonio | 18 Mar 2020 | 09:10 | 09:30 | Preliminary Simulations of a 1.8-M Parabolic Reflectarray in a Geostationary Satellite to Generate a Complete Multi-Spot Coverage for Tx | A2 | T09-A19 | Reflect arrays and transmit arrays | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Pino, Marcos R. | 18 Mar 2020 | 09:30 | 09:50 | Band Enhancement in Reflectarrays for Space Communications Based on Multi-Frequency Synthesis Procedure | A2 | T09-A19 | Reflect arrays and transmit arrays | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Pino, Marcos R. | 19 Mar 2020 | 09:30 | 09:50 | Multi-spot Adaptive Near-Field Focusing Through Transmitting Time-Modulated Arrays | B4 | CS44 | Near-Field Focusing and Pulse Generation Through Localized Waves | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Pinto, Rosanna | 18 Mar 2020 | 08:50 | 09:10 | Investigation on Temperature-Dependent Changes of Tissue Thermal Properties on Microwave Ablation Treatments | B6 | SW03 | COST Session CA17115 (MyWAVE): Supporting Medical Device Development via Dielectric and Thermal Tissue Characterization | T05 Biomedical and health / Convened Session / Measurements |
| Pintos, Jean-François | 17 Mar 2020 | 17:00 | 17:20 | Frequency Reconfigurable Antenna Loaded with Magneto Dielectric Materials at VHF Band | B1 | CS58 | Reconfigurable Antennas for Compact Devices | T04 IoT and M2M / Convened Session / Antennas |
| Pires, Diogo Rafael Pinto | 16 Mar 2020 | 16:40 | 17:00 | 3D Antenna Array for SWIPT Sensing with WPT Capabilities | B9 | CS43 | Near- and Far-Field Wireless Power Transfer | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Pirinoli, Paola | 16 Mar 2020 | 14:50 | 15:10 | SNO Optimization Technique Applied to Reflectarray Antennas Design | B9 | CS64 | Trends and Advances in Machine Learning for Applied Electromagnetics | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Pirinoli, Paola | 18 Mar 2020 | 11:40 | 12:00 | Perforated Dielectric Reflectarray in Ka-band | A2 | T09-A19 | Reflect arrays and transmit arrays | T09 Space (incl. cubesat) / Regular Session / Antennas |

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| Pistorius, Stephen | 19 Mar 2020 | 11:20 | 11:40 | An Open-Access Experimental Dataset for Breast Microwave Imaging | B7 | T11-P10 | Propagation in biological tissues | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Pizarro, Francisco | 17 Mar 2020 | 13:20 | 13:20 | Considerations in Designing Inverted Microstrip Gap Waveguide Components | A2 (Poster Area) | Convened Poster 1-CS19 | Applications of mm-Wave Gap Waveguide Technology-II | T02 Millimetre wave 5G / Convened Session / Antennas |
| Pizarro, Francisco | 18 Mar 2020 | 13:20 | 13:20 | 3D-printed Wideband Hyperbolic Lens Antenna for Ka-band | A2 (Poster Area) | Convened Poster 2-CS36 | Innovative Lens Antennas for Future Communication Systems | T02 Millimetre wave 5G / Convened Session / Antennas |
| Plets, David | 16 Mar 2020 | 14:30 | 14:50 | Phase-based Variant Maximum Likelihood Positioning for Passive UHF-RFID Tags | B5 | T08-A17 | Antennas and techniques for positioning and direction finding | T08 Positioning, localization & tracking / Regular Session / Antennas |
| Plets, David | 17 Mar 2020 | 13:20 | 13:20 | 60 GHz Path Loss Modelling Inside Ships | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Plets, David | 20 Mar 2020 | 09:30 | 09:50 | Joint Antenna-Channel Modelling for in-to-out-Body Propagation of Dairy Cows at 868 MHz | B11 | CS20 | Assessment and Modeling of Antennas and Radio Channels Jointly | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Plettemeier, Dirk | 20 Mar 2020 | 11:40 | 12:00 | Analysis of Substrate Parameters' Variations in a PCB-based 60 GHz GCPW Marchand Balun Design | B2 | T02-M08 | Mm-wave, THz, and quasi-optical antenna measurements | T02 Millimetre wave 5G / Regular Session / Measurements |
| Plüss, Tobias | 18 Mar 2020 | 11:20 | 11:40 | Optics for the Submillimeter Wave Instrument on Jupiter Mission JUICE | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Podevijn, Nico | 16 Mar 2020 | 14:30 | 14:50 | Phase-based Variant Maximum Likelihood Positioning for Passive UHF-RFID Tags | B5 | T08-A17 | Antennas and techniques for positioning and direction finding | T08 Positioning, localization & tracking / Regular Session / Antennas |
| Podilchak, Symon K. | 17 Mar 2020 | 08:50 | 09:10 | Design of a Quad Band CPW - Fed Compact Flexible Patch Antenna for Wearable Applications | B2 | CS16 | Antennas in IoT Wireless Devices: Modelling and Industrial Considerations | T04 IoT and M2M / Convened Session / Antennas |
| Podilchak, Symon K. | 18 Mar 2020 | 13:20 | 13:20 | A Miniaturized Circularly Polarized Antenna Using a Meandered Folded-Shorted Patch Array for CubeSats | Exhibition Hall | Poster2-A01 | Poster Session 2: Antenna theory | Antennas |
| Podilchak, Symon K. | 19 Mar 2020 | 10:40 | 11:00 | 2-D Planar Leaky-wave Antenna with Fixed Frequency Beam Steering Through Broadside | B2 | CS46 | New Trends in Leaky Wave Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Pogarsky, Sergey | 19 Mar 2020 | 11:00 | 11:20 | Radiation of Planar Dielectric Waveguide Eigenwaves Scattered by Graphene Strip Grating in THz Range | B11 | T11-E01 | EM Theory | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Polat, Ersin | 19 Mar 2020 | 18:00 | 18:20 | Fully Dielectric Phased Array for Beamsteering Using Liquid Crystal Technology at W-Band | A3 | CS49 | Novel Techniques for Beam Manipulation at Millimeter | T02 Millimetre wave 5G / Convened Session / Antennas |
| Poli, Lorenzo | 18 Mar 2020 | 11:00 | 11:20 | Advanced Teaching in Electromagnetics at the ELEDIA Research Center | B4 | CS26 | Education in Electromagnetics, Antennas, and Microwaves | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Poli, Lorenzo | 18 Mar 2020 | 09:30 | 09:50 | Recent Advances and Current Trends in Compressive Processing as Applied to Inverse Scattering | B9 | CS66 | Unconventional Techniques and Applications for Inverse Scattering Problems | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Poli, Lorenzo | 20 Mar 2020 | 11:20 | 11:40 | Highly-Reconfigurable Time-based Radiating Systems and Their Optimization | A3 | CS37 | IRACON Spectrum Sharing: Challenges and Opportunities for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Polimeridis, Athanasios | 17 Mar 2020 | 11:20 | 11:40 | Fast Antenna Measurement via Model Order Reduction | B4 | T10-M10 | General Antenna Measurements | T10 EM modelling and simulation tools / Regular Session / Measurements |
| Poljak, Dragan | 20 Mar 2020 | 08:50 | 09:10 | Human Exposure to Electromagnetic Signals with Continuous Spectra | B2 | T05-M06 | Dosimetry, exposure, and SAR assessment | T05 Biomedical and health / Regular Session / Measurements |
| Poljak, Dragan | 20 Mar 2020 | 11:20 | 11:40 | Measurement and Calculation of Exposure Level to 5G Base Station Antenna | B2 | T02-M08 | Mm-wave, THz, and quasi-optical antenna measurements | T02 Millimetre wave 5G / Regular Session / Measurements |
| Pollin, Sofie | 20 Mar 2020 | 11:20 | 11:40 | Simulation-based Investigation on Massive Multi-Antenna System as to Spatial Channel Hardening for Mobile Single User in a Controlled Multipath Environment | B9 | T10-P02 | Propagation modelling and simulation | T10 EM modelling and simulation tools / Regular Session / Propagation |
| Polo, Alessandro | 16 Mar 2020 | 14:10 | 14:30 | A Learning-by-Examples Method for Rapid Estimation of Surface Currents in Microstrip Antenna Arrays | B9 | CS64 | Trends and Advances in Machine Learning for Applied Electromagnetics | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Polo, Alessandro | 16 Mar 2020 | 17:40 | 18:00 | Real-Time Three-Dimensional Electrical Impedance Tomography of the Human Chest | B8 | T05-E05 | Microwave imaging | T05 Biomedical and health / Regular Session / Electromagnetics |
| Polo, Alessandro | 17 Mar 2020 | 13:20 | 13:20 | A Novel Probabilistic Interval Arithmetic Method for Tolerance Analysis of Phased Arrays Beamforming Networks | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Polo, Alessandro | 17 Mar 2020 | 13:20 | 13:20 | Optimization of Modular Multi-Function Radar Architectures for Two-Way Pattern Sidelobe Minimization | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Polo, Alessandro | 18 Mar 2020 | 11:00 | 11:20 | Advanced Teaching in Electromagnetics at the ELEDIA Research Center | B4 | CS26 | Education in Electromagnetics, Antennas, and Microwaves | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Polo, Alessandro | 18 Mar 2020 | 09:30 | 09:50 | Recent Advances and Current Trends in Compressive Processing as Applied to Inverse Scattering | B9 | CS66 | Unconventional Techniques and Applications for Inverse Scattering Problems | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Polo, Alessandro | 18 Mar 2020 | 13:20 | 13:20 | Dielectric Rectangular Lens for Antenna Array Scanloss Mitigation | A2 (Poster Area) | Convened Poster 2-CS50 | Novel Wave Phenomena in Metamaterials and Metasurfaces Applied to Antennas and Propagation | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Polo, Alessandro | 18 Mar 2020 | 13:20 | 13:20 | Direction of Clutter Estimation by Total-Variation Compressive Sensing | A2 (Poster Area) | Convened Poster 2-CS61 | Signal Processing Techniques for Advanced Electromagnetics Synthesis, Analysis, and Measurements | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Polycarpou, Anastasis C | 18 Mar 2020 | 13:20 | 13:20 | Quasi-Periodic Leaky-Wave Antenna Based on Substrate Integrated Waveguide and Liquid Crystal Technologies | Exhibition Hall | Poster2-A10 | Poster Session 2: Slotted-waveguide and leaky-wave antennas | Antennas |

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| Polycarpou, Anastasis C | 18 Mar 2020 | 13:20 | 13:20 | Effects of Common Approximations in the Modeling of a Liquid-Crystal-Based Patch Antenna: A Numerical Investigation | Exhibition Hall | Poster2-E03 | Poster Session 2: Computational and numerical techniques | Electromagnetics |
| Pometcu, Laura | 20 Mar 2020 | 08:50 | 09:10 | Antenna Perturbation Modelling and Impact on Radio Channel | B11 | CS20 | Assessment and Modeling of Antennas and Radio Channels Jointly | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Pongratz, Ludwig | 18 Mar 2020 | 08:50 | 09:10 | Optically Transparent Antenna Integrated Inside a Headlamp for Automotive Radar Application | B7 | T06-A17 | Automotive antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Ponti, Cristina | 17 Mar 2020 | 17:20 | 17:40 | Radiation Shaping by Using Lattice Modes in a Dual-feed Dielectric Structure | B9 | CS32 | High-Frequency Methods and Applications | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Ponti, Cristina | 19 Mar 2020 | 11:40 | 12:00 | Forward and Inverse Scattering Models Applied to Through-Wall Imaging | B9 | T10-E05/1 | Electromagnetic Methods for Direct and Inverse Scattering Involving Stratified Media | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Poordaraee, Mohammad | 18 Mar 2020 | 09:50 | 10:10 | Chamber Array Antenna Layout for Compact OTA Measurements | A3 | CS06 | AMTA/IRACON Session: Over-The-Air Testing of 5G Radios | T02 Millimetre wave 5G / Convened Session / Measurements |
| Popescu, Ileana | 20 Mar 2020 | 08:30 | 08:50 | Frequency Selective EMF Measurements and Exposure Assessment in Indoor Office Environments | B2 | T05-M06 | Dosimetry, exposure, and SAR assessment | T05 Biomedical and health / Regular Session / Measurements |
| Popov, Alexei | 19 Mar 2020 | 09:50 | 10:10 | Modeling Cylindrical Slot Antenna for Borehole GPR | B9 | T10-E05/1 | Electromagnetic Methods for Direct and Inverse Scattering Involving Stratified Media | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Popov, Alexei | 19 Mar 2020 | 10:40 | 11:00 | GPR Probing of Smoothly Layered Subsurface Medium: 3D Analytical Model | B9 | T10-E05/1 | Electromagnetic Methods for Direct and Inverse Scattering Involving Stratified Media | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Popov, Vladislav | 16 Mar 2020 | 13:50 | 14:10 | Reconfigurable Sparse Metasurface: Beamforming Beyond Phase Gradient Heuristics | B11 | T11-E08 | Metamaterials, metasurfaces and advanced materials | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Popović, Milica | 17 Mar 2020 | 08:30 | 08:50 | Microwave Radar Breast Screening: System Interaction with the Post-Biopsy Clip | B6 | CS60 | Sensors and Systems for Microwave Biomedical Imaging and Sensing | T05 Biomedical and health / Convened Session / Antennas |
| Porter, Emily | 17 Mar 2020 | 09:50 | 10:10 | Monitoring Microwave Thermal Ablation Using Electrical Impedance Tomography: An Experimental Feasibility Study | B7 | SW02 | COST Session CA17115 (MyWAVE): Developments in Electromagnetic-Based Medical Technologies | T05 Biomedical and Health / Convened Session / Electromagnetics |
| Porter, Emily | 18 Mar 2020 | 09:10 | 09:30 | Fast Measurements of Dielectric Properties with Small Size Microwave Transceiver | B6 | SW03 | COST Session CA17115 (MyWAVE): Supporting Medical Device Development via Dielectric and Thermal Tissue Characterization | T05 Biomedical and health / Convened Session / Measurements |
| Porter, Emily | 19 Mar 2020 | 11:40 | 12:00 | Determining the Concentration of Red Blood Cells Using Dielectric Properties | B7 | T11-P10 | Propagation in biological tissues | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Porter, Emily | 20 Mar 2020 | 08:30 | 08:50 | Detailed Dielectric Characterisation of the Heart and Great Vessels | B6 | SW06 | H2020 Session ID764479 (EMERALD): Electromagnetic Imaging for a Novel Generation of Medical Devices | T05 Biomedical and health / Convened Session / Electromagnetics |
| Porter, Emily | 20 Mar 2020 | 12:00 | 12:20 | Development of a Transmission-Based Open-Ended Coaxial-Probe Suitable for Axillary Lymph Node Dielectric Measurements | B6 | SW06 | H2020 Session ID764479 (EMERALD): Electromagnetic Imaging for a Novel Generation of Medical Devices | T05 Biomedical and health / Convened Session / Electromagnetics |
| Possenti, Leonardo | 17 Mar 2020 | 13:20 | 13:20 | Transmission Loss Evaluation for Fabry-Perot Materials' Characterization | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Potelon, Thomas | 17 Mar 2020 | 13:20 | 13:20 | Broadband CTS Array in PCB Technology | A2 (Poster Area) | Convened Poster 1-CS10 | Antenna Array and Integrated Systems for 5G Communication Applications | T02 Millimetre wave 5G / Convened Session / Antennas |
| Potier, Patrick | 16 Mar 2020 | 13:30 | 13:50 | Quasi-Optical Excitation of a Circularly-Polarized Metasurface Antenna at K-band | B2 | CS21 | Challenges in Leaky Wave Antennas and Novel Approaches to Solve Them | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Poulichet, Patrick | 19 Mar 2020 | 13:20 | 13:20 | A Bird-Cage Coil for MRI Studies of Unsaturated Granular Materials | Exhibition Hall | Poster3-A23 | Poster Session 3: Other antenna topics | Antennas |
| Poulichet, Patrick | 20 Mar 2020 | 12:00 | 12:20 | Dielectric Spectroscopy Characterization Within a Microfluidic Device Based on Open-Ended Coplanar Waveguide | B5 | T11-M01 | Material characterisation and non-destructive testing | T11 Fundamental research and emerging technologies / Regular Session / Measurements |
| Poussot, Benoit | 18 Mar 2020 | 13:20 | 13:20 | Statistical Comparison of Coupling Effects Between Thin and Thick Dipoles in Random Sets | Exhibition Hall | Poster2-A02 | Poster Session 2: Antenna interactions and coupling | Antennas |
| Poveda-Garcia, Miguel | 16 Mar 2020 | 15:10 | 15:30 | Direct Synthesis of Frequency-Scanned Monopulse Half-Width Microstrip Leaky-Wave Antennas | B2 | CS21 | Challenges in Leaky Wave Antennas and Novel Approaches to Solve Them | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Poveda-Garcia, Miguel | 19 Mar 2020 | 11:20 | 11:40 | Frequency-Scanned Focused Leaky-Wave Antennas for Direction-of-Arrival Detection in Proximity BLE Sensing Applications | B4 | CS44 | Near-Field Focusing and Pulse Generation Through Localized Waves | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Poyanco, Jose M | 18 Mar 2020 | 13:20 | 13:20 | 3D-printed Wideband Hyperbolic Lens Antenna for Ka-band | A2 (Poster Area) | Convened Poster 2-CS36 | Innovative Lens Antennas for Future Communication Systems | T02 Millimetre wave 5G / Convened Session / Antennas |
| Prabagarane, Nagaradjane | 18 Mar 2020 | 12:00 | 12:20 | Microwave Imaging Profilometry for Plasma Diagnostics | B9 | CS66 | Unconventional Techniques and Applications for Inverse Scattering Problems | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Prado, Danaisy | 17 Mar 2020 | 11:40 | 12:00 | Channel Modelling Based on Game Engines Light Physics for mmW in Indoor Scenarios | A3 | CS35 | IET/IRACON Session: Propagation Measurements and Modelling for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |

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| Prakash, Punit | 17 Mar 2020 | 11:00 | 11:20 | Characterization of Esophageal Temperature Profiles During Cardiac Radiofrequency Ablation | B7 | SW02 | COST Session CA17115 (MyWAVE): Developments in Electromagnetic-Based Medical Technologies | T05 Biomedical and Health / Convened Session / Electromagnetics |
| Prakash, Punit | 18 Mar 2020 | 11:20 | 11:40 | Broadband Dielectric Measurements of Ex-Vivo Uterine Fibroid Tissues over the Ablative Temperature Range | B6 | SW03 | COST Session CA17115 (MyWAVE): Supporting Medical Device Development via Dielectric and Thermal Tissue Characterization | T05 Biomedical and health / Convened Session / Measurements |
| Prati, Maria Virginia | 17 Mar 2020 | 08:50 | 09:10 | Breast Cancer Imaging Using a 24 GHz Ultra-Wideband MIMO FMCW Radar: System Considerations and First Imaging Results | B6 | CS60 | Sensors and Systems for Microwave Biomedical Imaging and Sensing | T05 Biomedical and health / Convened Session / Antennas |
| Premier, Valentina | 17 Mar 2020 | 13:20 | 13:20 | Identification of Multi-Temporal Snow Melting Patterns with Microwave Radars | A2 (Poster Area) | Convened Poster 1-CS08 | Analysis, Design and Use of Microwave Techniques, Models, Systems, and Antennas for Snowpack Avalanches Monitoring | T08 Positioning, localization & tracking / Convened Session / Propagation |
| Preussner, Thomas | 18 Mar 2020 | 08:50 | 09:10 | Optically Transparent Antenna Integrated Inside a Headlamp for Automotive Radar Application | B7 | T06-A17 | Automotive antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Prince, Clément | 18 Mar 2020 | 11:20 | 11:40 | Harness Connection and Immediate Environment Impact on RF Automotive Receivers Antenna BW | B7 | T06-A17 | Automotive antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Prinsloo, David S | 17 Mar 2020 | 17:40 | 18:00 | Parallel Plate Waveguide Simulator of a Dense Connected Dipole Array | B8 | CS15 | Antennas for Radio Astronomy | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Priori, Saverio | 20 Mar 2020 | 11:00 | 11:20 | UHF and L-Band Microwave Measurements of the Antarctic Firn-Layer Complex Permittivity Depth Profile | B5 | T11-M01 | Material characterisation and non-destructive testing | T11 Fundamental research and emerging technologies / Regular Session / Measurements |
| Prokes, Ales | 16 Mar 2020 | 13:30 | 13:50 | 60 GHz V2I Channel Variability for Different Elevation Angle Switching Strategies | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Prokhorova, Alexandra | 18 Mar 2020 | 09:30 | 09:50 | Advanced Temperature Dielectric Spectroscopy of Muscle Phantom at Microwave Frequencies | B6 | SW03 | COST Session CA17115 (MyWAVE): Supporting Medical Device Development via Dielectric and Thermal Tissue Characterization | T05 Biomedical and health / Convened Session / Measurements |
| Prokhorova, Alexandra | 20 Mar 2020 | 11:20 | 11:40 | Temperature Dependent Dielectric Properties of Tissue Mimicking Phantom Material in the Microwave Frequency Range | B6 | SW06 | H2020 Session ID764479 (EMERALD): Electromagnetic Imaging for a Novel Generation of Medical Devices | T05 Biomedical and health / Convened Session / Electromagnetics |
| Prokopovich, Igor | 19 Mar 2020 | 09:50 | 10:10 | Modeling Cylindrical Slot Antenna for Borehole GPR | B9 | T10-E05/1 | Electromagnetic Methods for Direct and Inverse Scattering Involving Stratified Media | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Prokopovich, Igor | 19 Mar 2020 | 10:40 | 11:00 | GPR Probing of Smoothly Layered Subsurface Medium: 3D Analytical Model | B9 | T10-E05/1 | Electromagnetic Methods for Direct and Inverse Scattering Involving Stratified Media | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Prudencio, Filipa | 18 Mar 2020 | 11:40 | 12:00 | First Principles Calculation of Topological Invariants by Means of the Photonic Green's Function | B5 | CS47 | Non-Magnetic Nonreciprocity | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Prvulovic, Milos | 17 Mar 2020 | 13:20 | 13:20 | Remote Monitoring and Propagation Modeling of EM Side-Channel Signals for IoT Device Security | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Ptitsyn, Grigori | 18 Mar 2020 | 11:00 | 11:20 | Temporal Modulation of Bianisotropic Metasurfaces for Unidirectional Wave Amplification | B5 | CS47 | Non-Magnetic Nonreciprocity | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Pucci, Elena | 16 Mar 2020 | 14:50 | 15:10 | Prism-based Leaky-Lens Antennas at 60 GHz for 5G Point-to-Point Communication Links | B2 | CS21 | Challenges in Leaky Wave Antennas and Novel Approaches to Solve Them | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Pucci, Elena | 16 Mar 2020 | 13:50 | 14:10 | Holey Glide-Symmetric Waveguide Filters for 5G Communication Systems at Millimetre Wave Frequencies | B1 | SW04 | COST Session CA18223 (SyMat): Periodic Structures with Higher Symmetries | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Pucci, Elena | 18 Mar 2020 | 13:20 | 13:20 | Fully-Metallic Rinehart-Luneburg Lens at 60 GHz | A2 (Poster Area) | Convened Poster 2-CS36 | Innovative Lens Antennas for Future Communication Systems | T02 Millimetre wave 5G / Convened Session / Antennas |
| Pudwell Chaves de Almeida, Marta | 18 Mar 2020 | 11:20 | 11:40 | Signal Reception Measurements Using Mobile HD Radio and DRM Systems in Two Urban Regions in Brazil | B10 | T11-P04 | Experimental methods and campaigns | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Puggelli, Federico | 20 Mar 2020 | 11:00 | 11:20 | UHF and L-Band Microwave Measurements of the Antarctic Firn-Layer Complex Permittivity Depth Profile | B5 | T11-M01 | Material characterisation and non-destructive testing | T11 Fundamental research and emerging technologies / Regular Session / Measurements |
| Pulliainen, Jouni | 17 Mar 2020 | 13:20 | 13:20 | Monitoring of Snow Cover Properties Using Active and Passive Microwave Sensors in Boreal Forests: Implications of Variable Canopy Transmissivity | A2 (Poster Area) | Convened Poster 1-CS08 | Analysis, Design and Use of Microwave Techniques, Models, Systems, and Antennas for Snowpack Avalanches Monitoring | T08 Positioning, localization & tracking / Convened Session / Propagation |
| Pupillo, Giuseppe | 18 Mar 2020 | 11:20 | 11:40 | Comparison Between Measured and Simulated Antenna Patterns for a LOFAR LBA Array | B11 | T06-M10 | UAV-Based Antenna Measurements (AMTA) | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Measurements |
| Pursiainen, Sampsa | 19 Mar 2020 | 09:30 | 09:50 | Towards Asteroid Tomography: Modellings and Measurements Using an Analogue Model | B9 | T10-E05/1 | Electromagnetic Methods for Direct and Inverse Scattering Involving Stratified Media | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Puskely, Jan | 17 Mar 2020 | 13:20 | 13:20 | Effect of Element Number Reduction on Inter-User Interference and Chip Temperatures in Passively-Cooled Integrated Antenna Arrays for 5G | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Puskely, Jan | 19 Mar 2020 | 08:30 | 08:50 | Performance Comparison of Single- And Multi-Lobe Antenna Arrays in 5G Urban Outdoor Environments at mm-Waves via Intelligent Ray Tracing | B1 | T02-P02 | Millimetre wave propagation modelling | T02 Millimetre wave 5G / Regular Session / Propagation |

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| Putta, Kumar | 20 Mar 2020 | 11:00 | 11:20 | Evaluation of Aerosol Jet Printing of Frequency Selective Surface on Glass for Building and RF Applications | B1 | CS33 | IET Session: New Antenna Systems Involving Application of Metamaterials and Metasurfaces | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Qas Elias, Bashar Bahaa | 17 Mar 2020 | 08:50 | 09:10 | Design of a Quad Band CPW - Fed Compact Flexible Patch Antenna for Wearable Applications | B2 | CS16 | Antennas in IoT Wireless Devices: Modelling and Industrial Considerations | T04 IoT and M2M / Convened Session / Antennas |
| Qas Elias, Bashar Bahaa | 18 Mar 2020 | 08:50 | 09:10 | Design and Optimization of a Flexible CPW-Fed Slotted Planar Monopole for WLAN/WBAN and 5G | B2 | CS62 | Small Antenna in a Human Body Environment | T04 IoT and M2M / Convened Session / Antennas |
| Qi, Shi-Shan | 18 Mar 2020 | 13:20 | 13:20 | Circularly Polarized Conical Beam Antenna with Stable 3dB Axial Ratio Beamwidth | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Qin, Peiyuan | 17 Mar 2020 | 13:20 | 13:20 | Ultrawideband Transmitarray Employing Connected Slot-Bowtie Dipole Elements | Exhibition Hall | Poster1-A19 | Poster Session 1: Reflect arrays and transmit arrays | Antennas |
| Qing, Jixiang | 16 Mar 2020 | 15:10 | 15:30 | Bayesian Active Learning for Electromagnetic Structure Design | B9 | CS64 | Trends and Advances in Machine Learning for Applied Electromagnetics | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Qing, Xianming | 19 Mar 2020 | 13:20 | 13:20 | Power Allocation Optimization of A Conformal Antenna Array for Satellite Applications | Exhibition Hall | Poster3-A06 | Poster Session 3: Conformal antennas | Antennas |
| Qing, Xianming | 19 Mar 2020 | 13:20 | 13:20 | A Single-feed Compact Wideband Circularly Polarized Antenna for INMARSAT/GNSS Applications | Exhibition Hall | Poster3-A11 | Poster Session 3: Multiband and wideband antennas | Antennas |
| Qing, Xianming | 20 Mar 2020 | 09:50 | 10:10 | Broadband Circularly Polarized Metasurface Antenna Fed by a Rotated L-Shaped Probe | B1 | CS33 | IET Session: New Antenna Systems Involving Application of Metamaterials and Metasurfaces | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Qiu, Yuwei | 19 Mar 2020 | 09:10 | 09:30 | Miniaturized Base-station Antenna Element with Sinuously Bent Arms | A2 | T01-A11 | Multiband and wideband antennas | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Qiu, Yuwei | 19 Mar 2020 | 13:20 | 13:20 | Miniaturization of Base-station Antenna Element Using Non-uniform Meta-surface | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Qu, Shi-Wei | 17 Mar 2020 | 13:20 | 13:20 | 2-D Wide-Scanning Flat Luneburg Lens Antenna for 5G Communication | Exhibition Hall | Poster1-A09 | Poster Session 1: Lens antennas | Antennas |
| Qu, Shi-Wei | 17 Mar 2020 | 13:20 | 13:20 | An Irregular Tightly Coupled Dipole Array with Wide Scanning Angles | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Qu, Shi-Wei | 17 Mar 2020 | 13:20 | 13:20 | Improving Physical Layer Security Technique Based on 4-D Antenna Arrays with Pre-Modulation | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Qu, Shi-Wei | 20 Mar 2020 | 12:00 | 12:20 | Scattering Control of Wideband Phased Arrays Using Metamaterial Absorbers | B4 | T11-E06 | Scattering and diffraction | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Queiroz, Wamberto | 19 Mar 2020 | 09:50 | 10:10 | Cell-Free at Millimeter Wave Frequency Simulation Using the Ray Tracing Method | B1 | T02-P02 | Millimetre wave propagation modelling | T02 Millimetre wave 5G / Regular Session / Propagation |
| Quevedo-Teruel, Oscar | 16 Mar 2020 | 14:50 | 15:10 | Prism-based Leaky-Lens Antennas at 60 GHz for 5G Point-to-Point Communication Links | B2 | CS21 | Challenges in Leaky Wave Antennas and Novel Approaches to Solve Them | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Quevedo-Teruel, Oscar | 16 Mar 2020 | 13:30 | 13:50 | High Scanning Rate Leaky Wave Antenna Based on Glide Symmetry for 77 GHz Automotive Radar | B1 | SW04 | COST Session CA18223 (SyMat): Periodic Structures with Higher Symmetries | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Quevedo-Teruel, Oscar | 16 Mar 2020 | 13:50 | 14:10 | Holey Glide-Symmetric Waveguide Filters for 5G Communication Systems at Millimetre Wave Frequencies | B1 | SW04 | COST Session CA18223 (SyMat): Periodic Structures with Higher Symmetries | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Quevedo-Teruel, Oscar | 16 Mar 2020 | 14:10 | 14:30 | Ultra-Wide Band Non-Dispersive Leaky-Wave Antenna Based on Glide-Symmetric Meandered Transmission Lines | B1 | SW04 | COST Session CA18223 (SyMat): Periodic Structures with Higher Symmetries | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Quevedo-Teruel, Oscar | 16 Mar 2020 | 16:40 | 17:00 | Mode-matching Analysis of Loaded Transmission Lines with Twist Symmetries | B1 | SW04 | COST Session CA18223 (SyMat): Periodic Structures with Higher Symmetries | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Quevedo-Teruel, Oscar | 16 Mar 2020 | 13:30 | 13:50 | Compressed Lenses via Transformation Optics for Mobile Satellite Communications | B8 | T09-A09 | Millimetre wave lens antennas for space applications | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Quevedo-Teruel, Oscar | 16 Mar 2020 | 14:50 | 15:10 | Design of an Impedance-Matched Horn Antenna with Enhanced Directivity Using Conformal Transformation Optics | B8 | T09-A09 | Millimetre wave lens antennas for space applications | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Quevedo-Teruel, Oscar | 16 Mar 2020 | 17:40 | 18:00 | Propagation Characteristics in Substrate Integrated Holey Metasurfaces | B11 | T11-E08 | Metamaterials, metasurfaces and advanced materials | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Quevedo-Teruel, Oscar | 17 Mar 2020 | 08:50 | 09:10 | Elliptical Glide-Symmetric Holey Metasurfaces for Wideband Anisotropy | B9 | CS09 | Analytical and Numerical Methods for Metasurface Analysis and Design | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Quevedo-Teruel, Oscar | 17 Mar 2020 | 13:20 | 13:20 | Groove Gap Waveguide Slot Array Based on Glide-Symmetric Holes | A2 (Poster Area) | Convened Poster 1-CS18 | Applications of mm-Wave Gap Waveguide Technology-I | T02 Millimetre wave 5G / Convened Session / Antennas |
| Quevedo-Teruel, Oscar | 17 Mar 2020 | 13:20 | 13:20 | Ray-Tracing Analysis of the near and Far Fields of Focusing Geodesic Lens Antennas | Exhibition Hall | Poster1-A09 | Poster Session 1: Lens antennas | Antennas |
| Quevedo-Teruel, Oscar | 18 Mar 2020 | 13:20 | 13:20 | Fully-Metallic Rinehart-Luneburg Lens at 60 GHz | A2 (Poster Area) | Convened Poster 2-CS36 | Innovative Lens Antennas for Future Communication Systems | T02 Millimetre wave 5G / Convened Session / Antennas |
| Quevedo-Teruel, Oscar | 18 Mar 2020 | 13:20 | 13:20 | Glide-Symmetric Luneburg Lens Using Substrate-Integrated-Holes for 5G Communications at Ka-Band | A2 (Poster Area) | Convened Poster 2-CS41 | Metasurfaces for Mobile (5G and Beyond) and Satellite Communication Systems | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Qureshi, Adil Masoud | 16 Mar 2020 | 16:40 | 17:00 | Miniaturized Planar Inverted-F Antenna Using Minkowski Pre-Fractal Structure | B2 | T04-A08 | IoT antennas | T04 IoT and M2M / Regular Session / Antennas |
| R. Prado, Daniel | 18 Mar 2020 | 09:30 | 09:50 | Band Enhancement in Reflectarrays for Space Communications Based on Multi-Frequency Synthesis Procedure | A2 | T09-A19 | Reflect arrays and transmit arrays | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Raaijmakers, Alexander | 17 Mar 2020 | 11:20 | 11:40 | An Artificial Shield for MRI Birdcage Coil with Constructive Interference | B9 | CS09 | Analytical and Numerical Methods for Metasurface Analysis and Design | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |

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| Rabbani, Muhammad S | 18 Mar 2020 | 13:20 | 13:20 | Electro-Mechanically Tunable Meta-Surfaces for Beam-Steered Antennas from mm-Wave to THz | A2 (Poster Area) | Convened Poster 2-CS41 | Metasurfaces for Mobile (5G and Beyond) and Satellite Communication Systems | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Rachedi, Kammel | 19 Mar 2020 | 13:20 | 13:20 | Reconfigurable SRR Antenna | Exhibition Hall | Poster3-A13 | Poster Session 3: Adaptive and reconfigurable antennas | Antennas |
| Radi, Younes | 16 Mar 2020 | 17:00 | 17:20 | Spatial and Spatio-Temporal Modulations for Advanced Wave Control with Metasurfaces | B10 | CS24 | Controlling EM Waves with Low- and High-Dimensional Metamaterials | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Rafiee Alavi, Rezvan | 17 Mar 2020 | 11:40 | 12:00 | Singularity Extraction of Electric-Field Integral Equations in Spherical Near-Field Antenna Measurement | B4 | T10-M10 | General Antenna Measurements | T10 EM modelling and simulation tools / Regular Session / Measurements |
| Ragulskis, Mykolas | 18 Mar 2020 | 09:10 | 09:30 | Fast Measurements of Dielectric Properties with Small Size Microwave Transceiver | B6 | SW03 | COST Session CA17115 (MyWAVE): Supporting Medical Device Development via Dielectric and Thermal Tissue Characterization | T05 Biomedical and health / Convened Session / Measurements |
| Ragulskis, Mykolas | 20 Mar 2020 | 10:40 | 11:00 | Investigation of S-parameter Calibration Effects on Image Reconstruction in Microwave Imaging Systems | B6 | SW06 | H2020 Session ID764479 (EMERALD): Electromagnetic Imaging for a Novel Generation of Medical Devices | T05 Biomedical and health / Convened Session / Electromagnetics |
| Rahajandraibe, Wenceslas | 17 Mar 2020 | 13:20 | 13:20 | Reduction Technique of Differential Propagation Delay with Negative Group Delay Function | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Rahimi, Mohammad reza | 19 Mar 2020 | 17:40 | 18:00 | Multi-Beam Radiation Properties of Higher-Order Space Harmonics-Enabled Leaky-Wave Antenna | B2 | T02-A10 | Leaky-wave and Traveling-wave Antennas | T02 Millimetre wave 5G / Regular Session / Antennas |
| Rahmat-Samii, Yahya | 16 Mar 2020 | 13:30 | 13:50 | Beam Steerable Reflectarray Enabling CubeSat Internet of Space: Conceptualization and Design | A2 | CS02 | Advanced Antenna Arrays for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Antennas |
| Rahmat-Samii, Yahya | 17 Mar 2020 | 14:50 | 15:30 | CubeSat Antennas: An Amazing Opportunity for Developing Out-of-the-Box Antennas | A2 | IS-Tue 1/1 | Invited Speaker Session | Antennas |
| Rahmat-Samii, Yahya | 19 Mar 2020 | 08:30 | 08:50 | The Amazing History of Reflector Antennas: From Hertz to Modern CubeSats and Beyond | B11 | BC/3 | History of Electromagnetism 3 | T13 Bicentennial Session / Electromagnetics |
| Rahmat-Samii, Yahya | 19 Mar 2020 | 18:00 | 18:20 | An In-Depth Understanding of Salient Features of Antenna Near-Field Measurements Through Full Wave Simulations | B10 | CS48 | Novel Antenna Measurement Data Analysis and Techniques | T11 Fundamental research and emerging technologies / Convened Session / Measurements |
| Rahola, Jussi | 17 Mar 2020 | 10:40 | 11:00 | Requirements for Accurate Design of Matching Circuits at 5 GHz | B2 | CS16 | Antennas in IoT Wireless Devices: Modelling and Industrial Considerations | T04 IoT and M2M / Convened Session / Antennas |
| Räisänen, Antti V. | 18 Mar 2020 | 13:20 | 13:20 | Axicon-hyperbolic Lens for Reflectivity Measurements of Curved Surfaces | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Raivio, Leevi | 19 Mar 2020 | 17:20 | 17:40 | Passive RFID-based Textile Touchpad | B6 | T05-A12/3 | Body area antennas and sensor systems | T05 Biomedical and health / Regular Session / Antennas |
| Rajo-Iglesias, Eva | 16 Mar 2020 | 15:10 | 15:30 | Design of Antenna Arrays Using Groove Gap Waveguide Technology Implemented with Glide Symmetric Holes | B1 | SW04 | COST Session CA18223 (SyMat): Periodic Structures with Higher Symmetries | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Rajo-Iglesias, Eva | 17 Mar 2020 | 13:20 | 13:20 | Groove Gap Waveguide Slot Array Based on Glide-Symmetric Holes | A2 (Poster Area) | Convened Poster 1-CS18 | Applications of mm-Wave Gap Waveguide Technology-I | T02 Millimetre wave 5G / Convened Session / Antennas |
| Rajo-Iglesias, Eva | 17 Mar 2020 | 13:20 | 13:20 | Considerations in Designing Inverted Microstrip Gap Waveguide Components | A2 (Poster Area) | Convened Poster 1-CS19 | Applications of mm-Wave Gap Waveguide Technology-II | T02 Millimetre wave 5G / Convened Session / Antennas |
| Rajo-Iglesias, Eva | 18 Mar 2020 | 13:20 | 13:20 | 3D-printed Wideband Hyperbolic Lens Antenna for Ka-band | A2 (Poster Area) | Convened Poster 2-CS36 | Innovative Lens Antennas for Future Communication Systems | T02 Millimetre wave 5G / Convened Session / Antennas |
| Rajo-Iglesias, Eva | 18 Mar 2020 | 13:20 | 13:20 | High-gain Resonant Continuous Transverse Stub Array Using Ridge Gap-Waveguide Technology | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Rajo-Iglesias, Eva | 18 Mar 2020 | 13:20 | 13:20 | Design of an Array of Stacked Groove Gap Waveguide Leaky-Wave Antennas in the Ka Band | Exhibition Hall | Poster2-A10 | Poster Session 2: Slotted-waveguide and leaky-wave antennas | Antennas |
| Rakshit, Gargi | 19 Mar 2020 | 16:40 | 17:00 | Remote Sensing of Tropical Precipitation with Radar and Radiometric Measurements | B8 | T09-P13 | Propagation Aspects in Remote Sensing | T09 Space (incl. cubesat) / Regular Session / Propagation |
| Ramaccia, Davide | 16 Mar 2020 | 17:20 | 17:40 | Propagation Through Metamaterial Temporal Slabs: Transmission, Reflection and Special Cases | B11 | T11-E08 | Metamaterials, metasurfaces and advanced materials | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Ramaccia, Davide | 18 Mar 2020 | 12:00 | 12:20 | Doppler Cloak: Concept and Realistic Implementation Through Space-Time Modulated Metamaterials and Time-Modulated Metasurfaces | B5 | CS47 | Non-Magnetic Nonreciprocity | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Ramaccia, Davide | 18 Mar 2020 | 13:20 | 13:20 | Latest Developments on Non-linear and Time-varying Metasurfaces and Topological Antennas | A2 (Poster Area) | Convened Poster 2-CS50 | Novel Wave Phenomena in Metamaterials and Metasurfaces Applied to Antennas and Propagation | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Ramaccia, Davide | 19 Mar 2020 | 13:20 | 13:20 | Scattering-free Energy Storage in Open Cavities Bounded by Metasurfaces | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Ramaccia, Davide | 19 Mar 2020 | 18:00 | 18:20 | Metasurface-Based Radar Jammers and Deceivers Implemented Through Time-Varying Metasurfaces | B7 | T06-P12 | Radar, localisation and sensing for aircraft and automotive applications | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Propagation |
| Ramaccia, Davide | 20 Mar 2020 | 09:10 | 09:30 | Perfect Matching of Reactive-Loaded Transmission Lines Through Complex Excitation | B4 | T11-E06 | Scattering and diffraction | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Ramazannia Tuloti, Seyed | 17 Mar 2020 | 13:20 | 13:20 | A Millimeter-Wave Low-Profile and Metal-Only Transmitarray Antennas at 28 GHz | Exhibition Hall | Poster1-A19 | Poster Session 1: Reflect arrays and transmit arrays | Antennas |
| Ramirez Arroyave, German | 17 Mar 2020 | 16:40 | 17:00 | Study on Beamforming V2I Scenarios for Sub-6 GHz and mmWave Channels | B10 | T11-P02/1 | Channel Modelling for Massive MIMO and Near-Field Communication Systems | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Ramos, Amélia | 16 Mar 2020 | 17:00 | 17:20 | Inexpensive 3D-Printed Radiating Horns for Customary Things in IoT Scenarios | B2 | T04-A08 | IoT antennas | T04 IoT and M2M / Regular Session / Antennas |

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| Ramos, Glauco L. | 17 Mar 2020 | 13:20 | 13:20 | Analysis of Radiowave Propagation in Forest Media Using the Parabolic Equation | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Ramos, Glauco L. | 17 Mar 2020 | 13:20 | 13:20 | Multiple Screen Diffraction Analysis Using the Parabolic Equation Technique | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Randazzo, Andrea | 16 Mar 2020 | 17:00 | 17:20 | Microwave Imaging of Cervical Myelopathy: A Preliminary Feasibility Assessment | B8 | T05-E05 | Microwave imaging | T05 Biomedical and health / Regular Session / Electromagnetics |
| Randazzo, Andrea | 17 Mar 2020 | 10:40 | 11:00 | A Tomographic Multistatic System for Biomedical Microwave Sensing | B6 | CS60 | Sensors and Systems for Microwave Biomedical Imaging and Sensing | T05 Biomedical and health / Convened Session / Antennas |
| Randazzo, Andrea | 18 Mar 2020 | 08:50 | 09:10 | Inverse Scattering in the Framework of Unconventional Lebesgue Spaces: A Case Study | B9 | CS66 | Unconventional Techniques and Applications for Inverse Scattering Problems | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Randazzo, Andrea | 19 Mar 2020 | 11:40 | 12:00 | Forward and Inverse Scattering Models Applied to Through-Wall Imaging | B9 | T10-E05/1 | Electromagnetic Methods for Direct and Inverse Scattering Involving Stratified Media | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Rangaiah, Pramod K B | 16 Mar 2020 | 17:40 | 18:00 | A Low Profile Button Antenna with Back Radiation Reduced by FSS | B6 | T05-A12/1 | Wearable and implantable antennas | T05 Biomedical and health / Regular Session / Antennas |
| Rangaiah, Pramod K B | 19 Mar 2020 | 09:10 | 09:30 | Clustering of Dielectric and Colour Profiles of an Ex-vivo Burnt Human Skin Sample | B6 | T05-A12/2 | Point of Care Microwave Sensors | T05 Biomedical and health / Regular Session / Antennas |
| Rangaiah, Pramod K B | 19 Mar 2020 | 13:20 | 13:20 | Design of Constant Width Branch Line Directional Coupler for the Microwave Sensing Application | Exhibition Hall | Poster3-M11 | Poster Session 3: Other measurement topics | Measurements |
| Rangriz, Fazel | 18 Mar 2020 | 13:20 | 13:20 | Wireless Link for Micro-scale Biomedical Implants Using Magnetolectric Antennas | Exhibition Hall | Poster2-A02 | Poster Session 2: Antenna interactions and coupling | Antennas |
| Rappaport, Carey | 19 Mar 2020 | 12:00 | 12:20 | Image Radar Determining the Nominal Body Contour for Characterization of Concealed Person-Worn Explosives | B9 | T10-E05/1 | Electromagnetic Methods for Direct and Inverse Scattering Involving Stratified Media | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Rappaport, Carey | 19 Mar 2020 | 16:40 | 17:00 | Improving the Reconstruction Image Quality of Multiple Small Discrete Targets Using the Phase Coherence Method | B9 | T10-E05/2 | Imaging and inverse scattering | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Rappaport, Carey | 19 Mar 2020 | 17:40 | 18:00 | Automatic Permittivity and Thickness Characterization of Body-Borne Weak Dielectric Threats Using Wideband Radar | B9 | T10-E05/2 | Imaging and inverse scattering | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Rashdan, Ibrahim | 16 Mar 2020 | 14:10 | 14:30 | Large Scale Fading Characteristics for Vehicle-to-Cyclist Channel in Urban Environment at 5 GHz | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Rashdan, Ibrahim | 16 Mar 2020 | 17:00 | 17:20 | Path Loss Models and Large Scale Fading Statistics for C-Band Train-to-Train Communication | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Ratajczak, Philippe | 20 Mar 2020 | 11:00 | 11:20 | Experimental Assessment of Q-factor Bounds for Miniature Embedded Antenna | B10 | CS11 | Antenna Design and Fundamental Bounds with External Constraints | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Rath, Michael | 20 Mar 2020 | 11:00 | 11:20 | Directionally Resolved UWB Channel Modeling for Environment-Aware Positioning | B11 | CS20 | Assessment and Modeling of Antennas and Radio Channels Jointly | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Ratni, Badreddine | 16 Mar 2020 | 13:50 | 14:10 | Reconfigurable Sparse Metasurface: Beamforming Beyond Phase Gradient Heuristics | B11 | T11-E08 | Metamaterials, metasurfaces and advanced materials | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Ratni, Badreddine | 19 Mar 2020 | 13:20 | 13:20 | Flat Meta-Reflector for Broadband Circularly Polarized Parabolic Antenna | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Ratni, Badreddine | 19 Mar 2020 | 13:20 | 13:20 | Phase-Gradient Metasurfaces for Efficient Conversion of Surface Wave to Propagating Wave | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Rattanasuttikan, Manurak | 19 Mar 2020 | 13:20 | 13:20 | A Compact Printed Wideband Circularly Polarized Slot Antenna for Universal UHF RFID Reader | Exhibition Hall | Poster3-A15 | Poster Session 3: RFID antennas/sensors and systems | Antennas |
| Rautiainen, Kimmo | 17 Mar 2020 | 13:20 | 13:20 | Monitoring of Snow Cover Properties Using Active and Passive Microwave Sensors in Boreal Forests: Implications of Variable Canopy Transmissivity | A2 (Poster Area) | Convened Poster 1-CS08 | Analysis, Design and Use of Microwave Techniques, Models, Systems, and Antennas for Snowpack Avalanches Monitoring | T08 Positioning, localization & tracking / Convened Session / Propagation |
| Ravanbakhsh, Faezeh | 18 Mar 2020 | 13:20 | 13:20 | A New Focused Hyperthermia Based on Space-Frequency DORT | Exhibition Hall | Poster2-E05 | Poster Session 2: Imaging and inverse scattering | Electromagnetics |
| Ravanbakhsh, Fatemeh | 16 Mar 2020 | 14:50 | 15:10 | Miniaturized CPW-fed Bowtie Slot Antenna for Wearable Biomedical Application | B6 | T05-A12/1 | Wearable and implantable antennas | T05 Biomedical and health / Regular Session / Antennas |
| Ravanbakhsh, Fatemeh | 19 Mar 2020 | 13:20 | 13:20 | Reflectometry Enhancement by Saline Injection in Microwave-based Skin Burn Injury Diagnosis | Exhibition Hall | Poster3-M11 | Poster Session 3: Other measurement topics | Measurements |
| Ravanelli, Rodolfo | 17 Mar 2020 | 13:20 | 13:20 | C Band Self Diplexed Tx/Rx Feed System for Telecom | Exhibition Hall | Poster1-A18 | Poster Session 1: Reflector, feed systems, and components | Antennas |
| Ravelo, Blaise | 17 Mar 2020 | 13:20 | 13:20 | Reduction Technique of Differential Propagation Delay with Negative Group Delay Function | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Rayit, Ashwain | 17 Mar 2020 | 12:00 | 12:20 | Mutual Coupling Effect on Three-Way Doherty Amplifier for Green Compact Mobile Communications | B10 | CS39 | Machine Learning in Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Raynolds, Timothy | 19 Mar 2020 | 08:30 | 08:50 | Handheld, Broadband Transmission-Based Probe - The Next Star Trek Tri-Corder | B6 | T05-A12/2 | Point of Care Microwave Sensors | T05 Biomedical and health / Regular Session / Antennas |
| Razavi, Aidin | 19 Mar 2020 | 11:20 | 11:40 | 5G Over-the-Air Conformance Testing | A3 | CS34 | IET/AMTA Session: Test and Measurement Challenges for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Measurements |
| Razmhosseini, Maryam | 16 Mar 2020 | 17:40 | 18:00 | On the Accuracy of Standard Gain Horn Measurement | B7 | T06-M03 | Near-field, far-field, compact and RCS range measurement techniques | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Measurements |

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| Razzicchia, Eleonora | 20 Mar 2020 | 09:50 | 10:10 | Image Improvement Through Metamaterial Technology for Brain Stroke Detection | B6 | SW06 | H2020 Session ID764479 (EMERALD): Electromagnetic Imaging for a Novel Generation of Medical Devices | T05 Biomedical and health / Convened Session / Electromagnetics |
| Reaney, Ian | 16 Mar 2020 | 14:50 | 15:10 | Cold Sintered CaTiO ₃ -K ₂ MoO ₄ Microwave Dielectric Ceramics for Integrated Microstrip Patch Antennas | B11 | T11-E08 | Metamaterials, metasurfaces and advanced materials | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Rebato, Mattia | 17 Mar 2020 | 17:00 | 17:20 | Machine Learning-aided Design of Thinned Antenna Arrays for Optimized Network Level Performance | B5 | CS28 | EuMA/EurAAP Session: From Radiating Section to Digital Interface - Research and Design Trends for an End-To-End Approach of Highly Integrated Active Antenna Systems | T02 Millimetre wave 5G / Convened Session / Antennas |
| Reboux, Sylvain | 20 Mar 2020 | 09:10 | 09:30 | Maximum Exposure Assessment of millimeter-Wave Array Antennas | B2 | T05-M06 | Dosimetry, exposure, and SAR assessment | T05 Biomedical and health / Regular Session / Measurements |
| Reed, Doug | 18 Mar 2020 | 12:00 | 12:20 | Comparing Options for 5G MIMO OTA Testing for Frequency Range One | A3 | CS06 | AMTA/IRACON Session: Over-The-Air Testing of 5G Radios | T02 Millimetre wave 5G / Convened Session / Measurements |
| Reese, Roland | 19 Mar 2020 | 18:00 | 18:20 | Fully Dielectric Phased Array for Beamsteering Using Liquid Crystal Technology at W-Band | A3 | CS49 | Novel Techniques for Beam Manipulation at Millimeter | T02 Millimetre wave 5G / Convened Session / Antennas |
| Regmi, Ankit | 18 Mar 2020 | 13:20 | 13:20 | Depolarization Due to Wedge Diffraction in Satellite Radiowave Communication | Exhibition Hall | Poster2-E06 | Poster Session 2: Scattering and diffraction | Electromagnetics |
| Regmi, Ankit | 19 Mar 2020 | 17:20 | 17:40 | Sea Surface Characterization Using Dual Polarized GNSS Reception System | B8 | T09-P13 | Propagation Aspects in Remote Sensing | T09 Space (incl. cubesat) / Regular Session / Propagation |
| Rego, Cássio | 17 Mar 2020 | 13:20 | 13:20 | Modified Two-Ray Model with UTD and Atmospheric Effects | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Regonesi, Eric | 17 Mar 2020 | 13:20 | 13:20 | ITALSAT Ka, Q and V Band Cross Polar Discrimination Statistics Measured in Spino d'Adda, Italy | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Rehammar, Robert | 17 Mar 2020 | 18:00 | 18:20 | A 5G Active Antenna Tile and Its Characterization in a Reverberation Chamber | B5 | CS28 | EuMA/EurAAP Session: From Radiating Section to Digital Interface - Research and Design Trends for an End-To-End Approach of Highly Integrated Active Antenna Systems | T02 Millimetre wave 5G / Convened Session / Antennas |
| Rehammar, Robert | 19 Mar 2020 | 11:40 | 12:00 | Design and Simulation of a 28 GHz Plane Wave Generator for NR Measurements | A3 | CS34 | IET/AMTA Session: Test and Measurement Challenges for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Measurements |
| Reimann, Jens | 17 Mar 2020 | 13:20 | 13:20 | Contingency Mitigation Aspects for Reflector Based Satellite SAR Systems | Exhibition Hall | Poster1-A18 | Poster Session 1: Reflector, feed systems, and components | Antennas |
| Reimer, Tyson | 19 Mar 2020 | 11:20 | 11:40 | An Open-Access Experimental Dataset for Breast Microwave Imaging | B7 | T11-P10 | Propagation in biological tissues | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Reis, Ariston | 17 Mar 2020 | 08:30 | 08:50 | Radar Cross Section Measurement Within Reverberation Chamber: Stirrer Position Issues | B4 | T11-M02 | Radar scattering measurement and calibration techniques | T11 Fundamental research and emerging technologies / Regular Session / Measurements |
| Rekkas, Vasileios | 16 Mar 2020 | 13:30 | 13:50 | Modelling Ray Tracing Propagation Data Using Different Machine Learning Algorithms | B9 | CS64 | Trends and Advances in Machine Learning for Applied Electromagnetics | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Ren, Qiang | 18 Mar 2020 | 13:20 | 13:20 | Metasurface-Based Circularly-Polarized Multibeam Reflect-/Transmit-Arrays | A2 (Poster Area) | Convened Poster 2-CS41 | Metasurfaces for Mobile (5G and Beyond) and Satellite Communication Systems | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Ren, Xiaofei | 16 Mar 2020 | 15:10 | 15:30 | Millimeter-Wave Dual-Polarized Slot Array Antenna Using a TE ₂₁₀ and TE ₁₂₀ Mode | A2 | CS02 | Advanced Antenna Arrays for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Antennas |
| Ren, Yongli | 17 Mar 2020 | 11:40 | 12:00 | Novel Millimeter-Wave Phased Array Antenna for 5G Wireless Communications | B1 | CS38 | ISAP Session: Recent Advances in Asian Antennas and Propagation Research | T02 Millimetre wave 5G / Convened Session / Antennas |
| Ren, Zhuoxiang | 16 Mar 2020 | 14:10 | 14:30 | Degenerate Band Edge Resonances in Air-filled Substrate Integrated Waveguide | B11 | T11-E08 | Metamaterials, metasurfaces and advanced materials | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Renard, Christian | 16 Mar 2020 | 16:20 | 16:40 | Preliminary Co-Design of L and X-band Stacked Arrays with Scanning Capabilities | B4 | T07-A17 | Multiband, wideband and array antennas | T07 Defence and security / Regular Session / Antennas |
| Renard, Christian | 18 Mar 2020 | 13:20 | 13:20 | Three-Dimensional Frequency Selective Surface for Single-Polarized Filtering Applications with Angular Stability | Exhibition Hall | Poster2-E07 | Poster Session 2: Frequency and polarization selective surfaces | Electromagnetics |
| Renga, Alfredo | 19 Mar 2020 | 09:10 | 09:30 | Micro-UAV Radar Imaging via DGPS and Microwave Tomography | B7 | T06-P09 | Propagation for Unmanned Aerial Vehicles (UAVs) | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Propagation |
| Rennings, Andreas | 16 Mar 2020 | 16:00 | 16:20 | A Method of Side-lobe Suppression for Reactance Modulated Antennas | B5 | T08-A17 | Antennas and techniques for positioning and direction finding | T08 Positioning, localization & tracking / Regular Session / Antennas |
| Reveles, Juan | 19 Mar 2020 | 13:20 | 13:20 | Deployable Helix Antennas for Nano and Micro Satellites | Exhibition Hall | Poster3-M07 | Poster Session 3: Satellite and aerospace antenna characterisation | Measurements |
| Ribero, Jean Marc | 19 Mar 2020 | 13:20 | 13:20 | Design of Compact Superdirective and Reconfigurable Array Antenna Associated with Non-Foster Elements for IoT | Exhibition Hall | Poster3-A13 | Poster Session 3: Adaptive and reconfigurable antennas | Antennas |
| Ricci, Marco | 18 Mar 2020 | 11:20 | 11:40 | Microwave Imaging Device for In-Line Food Inspection | B9 | CS66 | Unconventional Techniques and Applications for Inverse Scattering Problems | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Richalot, Elodie | 17 Mar 2020 | 08:30 | 08:50 | Radar Cross Section Measurement Within Reverberation Chamber: Stirrer Position Issues | B4 | T11-M02 | Radar scattering measurement and calibration techniques | T11 Fundamental research and emerging technologies / Regular Session / Measurements |

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| Richalot, Elodie | 19 Mar 2020 | 13:20 | 13:20 | Comparison of Antenna Radiation Efficiency Measurement Techniques in Reverberation Chamber Using or Not a Reference Antenna | Exhibition Hall | Poster3-M10 | Poster Session 3: General antenna measurements | Measurements |
| Richalot, Elodie | 20 Mar 2020 | 12:00 | 12:20 | Dielectric Spectroscopy Characterization Within a Microfluidic Device Based on Open-Ended Coplanar Waveguide | B5 | T11-M01 | Material characterisation and non-destructive testing | T11 Fundamental research and emerging technologies / Regular Session / Measurements |
| Richter, Yair | 19 Mar 2020 | 09:50 | 10:10 | Identifying low-RCS Targets Using micro-Doppler High-Resolution Radar in the Millimeter Waves | B7 | T06-P09 | Propagation for Unmanned Aerial Vehicles (UAVs) | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Propagation |
| Riera, Jose M | 17 Mar 2020 | 09:10 | 09:30 | Fade Slope Analysis with Q-band Alphasat Satellite Measurements in Madrid | B8 | T09-P08 | Satellite propagation | T09 Space (incl. cubesat) / Regular Session / Propagation |
| Riera, Jose M | 17 Mar 2020 | 09:30 | 09:50 | Heights of the 0°C Isotherm and the Bright Band in Madrid: Comparison and Variability | B8 | T09-P08 | Satellite propagation | T09 Space (incl. cubesat) / Regular Session / Propagation |
| Righero, Marco | 17 Mar 2020 | 10:40 | 11:00 | Fast Antenna Array Characterization with Numerical Basis Functions | B4 | T10-M10 | General Antenna Measurements | T10 EM modelling and simulation tools / Regular Session / Measurements |
| Righero, Marco | 19 Mar 2020 | 10:40 | 11:00 | Diagnostics on Electrically Large Structures by a Nested Skeletonization Scheme Enhancement of the Equivalent Current Technique | B10 | CS07 | AMTA/EurAAP Session: Post Processing Techniques in Antenna Measurements | T11 Fundamental research and emerging technologies / Convened Session / Measurements |
| Righero, Marco | 19 Mar 2020 | 12:00 | 12:20 | Temperature-Corrected SAR Focusing in Cancer Hyperthermia | B7 | T11-P10 | Propagation in biological tissues | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Righero, Marco | 19 Mar 2020 | 16:40 | 17:00 | Equivalent Source Technique Processing of Broadband Antenna Measurements | B10 | CS48 | Novel Antenna Measurement Data Analysis and Techniques | T11 Fundamental research and emerging technologies / Convened Session / Measurements |
| Rinaldi, Matteo | 18 Mar 2020 | 08:50 | 09:10 | Quad Magnet-free Micro-acoustic RF Circulator with Intermodulation Suppression | B5 | CS47 | Non-Magnetic Nonreciprocity | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Riondet, Ghilsain | 19 Mar 2020 | 13:20 | 13:20 | Conformal 2.4 GHz Antenna with Room Temperature Vulcanized (RTV) Silicone Rubber Substrate | Exhibition Hall | Poster3-A06 | Poster Session 3: Conformal antennas | Antennas |
| Riva, Carlo | 17 Mar 2020 | 13:20 | 13:20 | ITALSAT Ka, Q and V Band Cross Polar Discrimination Statistics Measured in Spino d'Adda, Italy | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Riva, Carlo | 19 Mar 2020 | 17:40 | 18:00 | The MEKaP Project: Measuring Tropospheric Impairments at Ka Band with MEO Satellites | B8 | T09-P13 | Propagation Aspects in Remote Sensing | T09 Space (incl. cubesat) / Regular Session / Propagation |
| Rivero, Javier | 19 Mar 2020 | 09:30 | 09:50 | Reducing the Dimensionality of 6-D MoM Integrals Applying Twice the Divergence Theorem | B8 | CS30 | Fundamental Challenges and Novel Methodologies in the Next-Generation Computational Electromagnetics | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Rocca, Paolo | 16 Mar 2020 | 14:10 | 14:30 | A Learning-by-Examples Method for Rapid Estimation of Surface Currents in Microstrip Antenna Arrays | B9 | CS64 | Trends and Advances in Machine Learning for Applied Electromagnetics | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Rocca, Paolo | 16 Mar 2020 | 16:00 | 16:20 | Robust Multi-Resolution Microwave Imaging Through an Over-Constrained Approach | B8 | T05-E05 | Microwave imaging | T05 Biomedical and health / Regular Session / Electromagnetics |
| Rocca, Paolo | 17 Mar 2020 | 13:20 | 13:20 | From "Hostile" to "Nice" Environment in Communication and Sensing | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Rocca, Paolo | 17 Mar 2020 | 13:20 | 13:20 | Tiled Arrays: Low Cost Solutions for Next Generation Communication and Sensing Systems | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Rocca, Paolo | 17 Mar 2020 | 13:20 | 13:20 | A Novel Probabilistic Interval Arithmetic Method for Tolerance Analysis of Phased Arrays Beamforming Networks | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Rocca, Paolo | 17 Mar 2020 | 13:20 | 13:20 | Optimization of Modular Multi-Function Radar Architectures for Two-Way Pattern Sidelobe Minimization | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Rocca, Paolo | 17 Mar 2020 | 13:20 | 13:20 | Modeling of a Realistic Hybrid Metal-Plasma Transmit-array with Beam-scanning Capabilities | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Rocca, Paolo | 17 Mar 2020 | 13:20 | 13:20 | Exploiting Real Far Field Patterns into the Multiplicity of Solutions for Linear Array Pattern Synthesis: Bandwidth Studies | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Rocca, Paolo | 17 Mar 2020 | 13:20 | 13:20 | Minimization Techniques of Q in Circular Taylor-like Distributions | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Rocca, Paolo | 18 Mar 2020 | 11:00 | 11:20 | Advanced Teaching in Electromagnetics at the ELEDIA Research Center | B4 | CS26 | Education in Electromagnetics, Antennas, and Microwaves | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Rocca, Paolo | 18 Mar 2020 | 13:20 | 13:20 | Synthesis of Sparse Linear Arrays Including Directivity via a Hybrid L1 Minimization Algorithm | A2 (Poster Area) | Convened Poster 2-CS61 | Signal Processing Techniques for Advanced Electromagnetics Synthesis, Analysis, and Measurements | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Rocca, Paolo | 18 Mar 2020 | 13:20 | 13:20 | The Sparsity and Incoherence in Compressive Sensing as Applied to Field Reconstruction | A2 (Poster Area) | Convened Poster 2-CS61 | Signal Processing Techniques for Advanced Electromagnetics Synthesis, Analysis, and Measurements | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Rocca, Paolo | 18 Mar 2020 | 13:20 | 13:20 | Direction of Clutter Estimation by Total-Variation Compressive Sensing | A2 (Poster Area) | Convened Poster 2-CS61 | Signal Processing Techniques for Advanced Electromagnetics Synthesis, Analysis, and Measurements | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Rocca, Paolo | 19 Mar 2020 | 08:30 | 08:50 | Towards Joint Sensing and Communication for 5G and Beyond Systems | B5 | CS25 | Convergence of Mobile Radio and Radar | T08 Positioning, localization & tracking / Convened Session / Propagation |
| Rocca, Paolo | 20 Mar 2020 | 11:20 | 11:40 | Highly-Reconfigurable Time-based Radiating Systems and Their Optimization | A3 | CS37 | IRACON Spectrum Sharing: Challenges and Opportunities for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |

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| Rocco, Davide | 19 Mar 2020 | 11:00 | 11:20 | Field Focusing for Nanophotonic Engineering and Applications | B4 | CS44 | Near-Field Focusing and Pulse Generation Through Localized Waves | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Rocha, Armando | 17 Mar 2020 | 09:50 | 10:10 | An Empirical Model for Time Diversity Statistics at Ka- And Q-band | B8 | T09-P08 | Satellite propagation | T09 Space (incl. cubesat) / Regular Session / Propagation |
| Rocha, Armando | 19 Mar 2020 | 17:40 | 18:00 | The MEKaP Project: Measuring Tropospheric Impairments at Ka Band with MEO Satellites | B8 | T09-P13 | Propagation Aspects in Remote Sensing | T09 Space (incl. cubesat) / Regular Session / Propagation |
| Rodencal, Matthew | 19 Mar 2020 | 13:20 | 13:20 | A 915 MHz Wristwatch-Integrated Antenna for Wireless Health Monitoring | Exhibition Hall | Poster3-A12 | Poster Session 3: Wearable and implantable antennas | Antennas |
| Rodrigues de Albuquerque, Camila Caroline | 19 Mar 2020 | 13:20 | 13:20 | Eco-Friendly Metamaterial Antenna for 2.4 GHz WLAN Applications | Exhibition Hall | Poster3-A23 | Poster Session 3: Other antenna topics | Antennas |
| Rodrigues, Luís Carlos | 17 Mar 2020 | 18:00 | 18:20 | Reconfigurable Filtenna for 5G/LEO Constellations Mobile Terminals | B1 | CS58 | Reconfigurable Antennas for Compact Devices | T04 IoT and M2M / Convened Session / Antennas |
| Rodriguez Duarte, David O. | 17 Mar 2020 | 11:20 | 11:40 | Portable 3-D Microwave Imaging System for Cerebrovascular Diseases Monitoring | B7 | SW02 | COST Session CA17115 (MyWAVE): Developments in Electromagnetic-Based Medical Technologies | T05 Biomedical and Health / Convened Session / Electromagnetics |
| Rodriguez Duarte, David O. | 20 Mar 2020 | 09:30 | 09:50 | Electromagnetic Virtual Prototyping of a Realistic 3-D Microwave Scanner for Brain Stroke Imaging | B6 | SW06 | H2020 Session ID764479 (EMERALD): Electromagnetic Imaging for a Novel Generation of Medical Devices | T05 Biomedical and health / Convened Session / Electromagnetics |
| Rodríguez Gallego, Antonio | 17 Mar 2020 | 13:20 | 13:20 | Circularly and Linearly Polarized Planar Reconfigurable Active Array Antennas in Ka Band | A2 (Poster Area) | Convened Poster 1-CS10 | Antenna Array and Integrated Systems for 5G Communication Applications | T02 Millimetre wave 5G / Convened Session / Antennas |
| Rodríguez Varela, Fernando | 19 Mar 2020 | 08:30 | 08:50 | Near-Field to Far-Field Transformation for Fast Linear Slide Measurements | B10 | CS07 | AMTA/EurAAP Session: Post Processing Techniques in Antenna Measurements | T11 Fundamental research and emerging technologies / Convened Session / Measurements |
| Rodriguez, Jonathan | 17 Mar 2020 | 09:10 | 09:30 | Compact Millimeter-Wave MIMO Antenna for 5G Applications | B10 | CS39 | Machine Learning in Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Rodriguez, Jonathan | 17 Mar 2020 | 09:50 | 10:10 | A Doherty Power Amplifier Based on the Harmonic Generating Mechanism | B10 | CS39 | Machine Learning in Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Rodriguez, Jonathan | 17 Mar 2020 | 11:20 | 11:40 | A Compact Frequency Reconfigurable DRA for GSM, LTE, and 5G Applications Services | B10 | CS39 | Machine Learning in Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Rodriguez, Jonathan | 17 Mar 2020 | 12:00 | 12:20 | Mutual Coupling Effect on Three-Way Doherty Amplifier for Green Compact Mobile Communications | B10 | CS39 | Machine Learning in Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Rodriguez, Jonathan | 19 Mar 2020 | 13:20 | 13:20 | Multi-Mode Smartphone Antenna Array for 5G Massive MIMO Applications | Exhibition Hall | Poster3-A11 | Poster Session 3: Multiband and wideband antennas | Antennas |
| Rodriguez, Jonathan | 20 Mar 2020 | 11:20 | 11:40 | New High-Gain Differential-Fed Dual-Polarized Filtering Microstrip Antenna for 5G Applications | A2 | T01-A22 | MIMO, diversity, smart antennas & signal processing | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Rodríguez, José-Víctor | 17 Mar 2020 | 13:20 | 13:20 | Experimental Study of Dispersion/Attenuation by Trees from 1 to 40 GHz | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Rodríguez, José-Víctor | 17 Mar 2020 | 13:20 | 13:20 | Transmission Loss Evaluation for Fabry-Perot Materials' | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Rodriguez, Vince | 19 Mar 2020 | 13:20 | 13:20 | Numerical Study of Chebyshev RF Absorber Arrangements Versus Tilted RF Absorber Pyramids | Exhibition Hall | Poster3-M10 | Poster Session 3: General antenna measurements | Measurements |
| Rodríguez-Avila, Danelys | 16 Mar 2020 | 16:40 | 17:00 | Subarray Antenna Fed by Analog Beamforming Network for 5G Picocell Applications | A2 | T02-A04/1 | Millimetre wave arrays for mobile communications | T02 Millimetre wave 5G / Regular Session / Antennas |
| Rodríguez-Berral, Raúl | 17 Mar 2020 | 09:10 | 09:30 | Derivation of Circuit Models Based on an Eigenvalue Problem for Periodic Surfaces with Multiple Resonances | B9 | CS09 | Analytical and Numerical Methods for Metasurface Analysis and Design | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Rodríguez-Cano, Rocio | 20 Mar 2020 | 12:00 | 12:20 | Transparent mm-Wave Array on a Glass Substrate with Surface Wave Reduction | B10 | CS11 | Antenna Design and Fundamental Bounds with External Constraints | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Rodríguez-González, Juan | 17 Mar 2020 | 13:20 | 13:20 | Exploiting Real Far Field Patterns into the Multiplicity of Solutions for Linear Array Pattern Synthesis: Bandwidth Studies | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Rodríguez-González, Juan | 17 Mar 2020 | 13:20 | 13:20 | Minimization Techniques of Q in Circular Taylor-like Distributions | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Rodriguez-Herrera, Alfonso | 18 Mar 2020 | 12:00 | 12:20 | Comparing Options for 5G MIMO OTA Testing for Frequency Range One | A3 | CS06 | AMTA/IRACON Session: Over-The-Air Testing of 5G Radios | T02 Millimetre wave 5G / Convened Session / Measurements |
| Rodríguez-Piñeiro, José | 16 Mar 2020 | 17:20 | 17:40 | Shadowing and Multipath-fading Statistics at 2.4 GHz and 39 GHz in Vehicle-to-Vehicle Scenarios | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Rodríguez-Piñeiro, José | 19 Mar 2020 | 09:30 | 09:50 | Performance of 5G Terrestrial Network Deployments for Serving UAV Communications | B7 | T06-P09 | Propagation for Unmanned Aerial Vehicles (UAVs) | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Propagation |
| Rodríguez-Ulibarri, Pablo | 19 Mar 2020 | 13:20 | 13:20 | Labyrinth Absorber Based on Metageometries Metasurface for Fungi Detection | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Rodriguez-Vaqueiro, Yolanda | 18 Mar 2020 | 09:10 | 09:30 | Preliminary Simulations of a 1.8-M Parabolic Reflectarray in a Geostationary Satellite to Generate a Complete Multi-Spot Coverage for Tx | A2 | T09-A19 | Reflect arrays and transmit arrays | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Roederer, Antoine | 17 Mar 2020 | 13:20 | 13:20 | Effect of Element Number Reduction on Inter-User Interference and Chip Temperatures in Passively-Cooled Integrated Antenna Arrays for 5G | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Roederer, Antoine | 19 Mar 2020 | 08:50 | 09:10 | A View of Some Key Developments of Spacecraft Antennas, Their Modelling and Technologies | B11 | BC/3 | History of Electromagnetism 3 | T13 Bicentennial Session / Electromagnetics |

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| Ruvio, Giuseppe | 17 Mar 2020 | 10:40 | 11:00 | Effects of Choke in Minimally-Invasive Small-Profile Microwave Ablation Applicators | B7 | SW02 | COST Session CA17115 (MyWAVE): Developments in Electromagnetic-Based Medical Technologies | T05 Biomedical and Health / Convened Session / Electromagnetics |
| Rybalko, Oleksandr | 18 Mar 2020 | 13:20 | 13:20 | Procedure for Simulating the Direct Path Loss Between Body-Worn Antennas | Exhibition Hall | Poster2-P10 | Poster Session 2: Propagation in biological tissues and body-area propagation | Propagation |
| Rytir, Martin | 17 Mar 2020 | 11:20 | 11:40 | Variability of Gaseous Attenuation at Very Low Elevation Angle Slant Paths; Measurements and Modelling | B8 | T09-P08 | Satellite propagation | T09 Space (incl. cubesat) / Regular Session / Propagation |
| Rzymowski, Mateusz | 16 Mar 2020 | 17:20 | 17:40 | RSS-Based DoA Estimation Using ESPAR Antenna for V2X Applications in 802.11P Frequency Band | B5 | T08-A17 | Antennas and techniques for positioning and direction finding | T08 Positioning, localization & tracking / Regular Session / Antennas |
| Rzymowski, Mateusz | 19 Mar 2020 | 13:20 | 13:20 | Miniaturization of ESPAR Antenna Using Low-Cost 3D Printing Process | Exhibition Hall | Poster3-A13 | Poster Session 3: Adaptive and reconfigurable antennas | Antennas |
| S. M. Mollaei, Masoud | 17 Mar 2020 | 08:30 | 08:50 | Metasurface for Dense Dipole Array Decoupling in Ultra-High Field MRI | B9 | CS09 | Analytical and Numerical Methods for Metasurface Analysis and Design | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Saavedra, Liseth | 17 Mar 2020 | 18:00 | 18:20 | Perturbational Method for Modeling Electromagnetic Propagation Through Non-axisymmetric Geophysical Formations | B11 | T10-E03/2 | Computational and numerical techniques 2 | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Sabbadini, Marco | 20 Mar 2020 | 09:10 | 09:30 | Gaussian Horn Implemented by Metasurfaces | B1 | CS33 | IET Session: New Antenna Systems Involving Application of Metamaterials and Metasurfaces | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Sabban, Albert | 18 Mar 2020 | 08:30 | 08:50 | Small New Wearable Metamaterials Antennas for IOT, Medical and 5G Applications | B2 | CS62 | Small Antenna in a Human Body Environment | T04 IoT and M2M / Convened Session / Antennas |
| Saccardi, Francesco | 16 Mar 2020 | 14:50 | 15:10 | Experimental Comparison of Vehicular Antenna Measurements Performed over Different Floors | B7 | CS05 | AMTA Session: Automotive Antenna Measurements and Testing | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Convened Session / Measurements |
| Saccardi, Francesco | 16 Mar 2020 | 16:00 | 16:20 | Experimental Validation of the Translated-SWE Technique Applied to Automotive Measurements over PEC-Floor at Arbitrary Height | B7 | T06-M03 | Near-field, far-field, compact and RCS range measurement techniques | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Measurements |
| Saccardi, Francesco | 18 Mar 2020 | 11:00 | 11:20 | OTA Testing of Antennas & Devices Using Plane Wave Generator or Synthesizer | A3 | CS06 | AMTA/IRACON Session: Over-The-Air Testing of 5G Radios | T02 Millimetre wave 5G / Convened Session / Measurements |
| Saccardi, Francesco | 20 Mar 2020 | 12:00 | 12:20 | Echo Reduction Properties of Fast Non-Redundant Planar NF Sampling Methodologies | B2 | T02-M08 | Mm-wave, THz, and quasi-optical antenna measurements | T02 Millimetre wave 5G / Regular Session / Measurements |
| Sachs, Jürgen | 17 Mar 2020 | 11:40 | 12:00 | Investigation of Influences on the Detectability of Magnetic Nanoparticles by Means of Microwaves for Biomedical Applications | B6 | CS60 | Sensors and Systems for Microwave Biomedical Imaging and Sensing | T05 Biomedical and health / Convened Session / Antennas |
| Sachs, Jürgen | 19 Mar 2020 | 13:20 | 13:20 | Time-Domain Reflectometry for Measuring Scattering Parameters: Comparison of M-sequence Device and Step-generator TDR | Exhibition Hall | Poster3-A16 | Poster Session 3: UWB antennas and time-domain techniques | Antennas |
| Sachs, Jürgen | 20 Mar 2020 | 11:20 | 11:40 | Temperature Dependent Dielectric Properties of Tissue Mimicking Phantom Material in the Microwave Frequency Range | B6 | SW06 | H2020 Session ID764479 (EMERALD): Electromagnetic Imaging for a Novel Generation of Medical Devices | T05 Biomedical and health / Convened Session / Electromagnetics |
| Sadeghi, Sajjad | 18 Mar 2020 | 13:20 | 13:20 | A New Focused Hyperthermia Based on SpaceFrequency DORT | Exhibition Hall | Poster2-E05 | Poster Session 2: Imaging and inverse scattering | Electromagnetics |
| Sadeghikia, Fatemeh | 18 Mar 2020 | 13:20 | 13:20 | A New Feed Network for the Communication Signal and Excitation of Surface-Wave-Driven Plasma Antennas | Exhibition Hall | Poster2-A01 | Poster Session 2: Antenna theory | Antennas |
| Sadeghikia, Fatemeh | 18 Mar 2020 | 13:20 | 13:20 | Beamwidth Control of a Helical Antenna Using Truncated Conical Plasma Reflectors | Exhibition Hall | Poster2-A01 | Poster Session 2: Antenna theory | Antennas |
| Sadeghi-Marasht, Samaneh | 17 Mar 2020 | 11:20 | 11:40 | A Millimeter-Wave Dual Band Antenna with Circular Polarization | A2 | T02-A04/2 | Millimetre wave arrays for mobile terminals | T02 Millimetre wave 5G / Regular Session / Antennas |
| Sadek, Sawzan | 17 Mar 2020 | 13:20 | 13:20 | Measurements of a Dynamic 60 GHz Radio Channel in an Open-Space Office | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Sadler, Brian | 16 Mar 2020 | 13:30 | 13:50 | Two-Element Biomimetic Antenna Array Design for Power Extraction / Phase Amplification Tradeoff | B5 | T08-A17 | Antennas and techniques for positioning and direction finding | T08 Positioning, localization & tracking / Regular Session / Antennas |
| Sadler, Brian | 18 Mar 2020 | 09:50 | 10:10 | An Efficient Low-Profile Low-VHF Antenna for Small Unmanned Ground Vehicles | B7 | T06-A17 | Automotive antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Saenz, Elena | 17 Mar 2020 | 13:20 | 13:20 | Design and Measurement of Possible Wide-band 67-116 GHz ALMA Vacuum Window Anti-reflection Layers | Exhibition Hall | Poster1-A18 | Poster Session 1: Reflector, feed systems, and components | Antennas |
| Safavi Naeini, Safieddin | 18 Mar 2020 | 13:20 | 13:20 | Compact Honey-Cell CSRR-based Microwave Biosensor for Monitoring Glucose Levels | Exhibition Hall | Poster2-P10 | Poster Session 2: Propagation in biological tissues and body-area propagation | Propagation |
| Safavi-Naeini, Safieddin | 19 Mar 2020 | 12:00 | 12:20 | Multiple-Pole CSRR-based Microwave Sensor for Glucose Levels Detection | B6 | T05-A12/2 | Point of Care Microwave Sensors | T05 Biomedical and health / Regular Session / Antennas |
| Saha, Chinmoy | 17 Mar 2020 | 17:20 | 17:40 | WBAN Channel Modeling on Electromagnetic Interaction in Biological Tissues for Estimating Path Loss Characteristics | B10 | T11-P02/1 | Channel Modelling for Massive MIMO and Near-Field Communication Systems | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Said Camilleri, Jeantide | 19 Mar 2020 | 11:40 | 12:00 | Determining the Concentration of Red Blood Cells Using Dielectric Properties | B7 | T11-P10 | Propagation in biological tissues | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Saito, Kentaro | 18 Mar 2020 | 13:20 | 13:20 | Cluster Intensity and Spread Characteristics in Classroom Scenario at 10 and 28 GHz Bands | Exhibition Hall | Poster2-P05 | Poster Session 2: Mm-wave and UWB propagation | Propagation |
| Saito, Kentaro | 20 Mar 2020 | 11:00 | 11:20 | A Kirchhoff Approximation Based Spectrum Availability Prediction Method at Millimeter Wave | A3 | CS37 | IRACON Spectrum Sharing: Challenges and Opportunities for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |

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| Sajedin, Maryam | 17 Mar 2020 | 09:10 | 09:30 | Compact Millimeter-Wave MIMO Antenna for 5G Applications | B10 | CS39 | Machine Learning in Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Sajedin, Maryam | 17 Mar 2020 | 09:50 | 10:10 | A Doherty Power Amplifier Based on the Harmonic Generating Mechanism | B10 | CS39 | Machine Learning in Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Sajedin, Maryam | 17 Mar 2020 | 12:00 | 12:20 | Mutual Coupling Effect on Three-Way Doherty Amplifier for Green Compact Mobile Communications | B10 | CS39 | Machine Learning in Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Sajedin, Maryam | 19 Mar 2020 | 13:20 | 13:20 | Multi-Mode Smartphone Antenna Array for 5G Massive MIMO Applications | Exhibition Hall | Poster3-A11 | Poster Session 3: Multiband and wideband antennas | Antennas |
| Sajedin, Maryam | 20 Mar 2020 | 11:20 | 11:40 | New High-Gain Differential-Fed Dual-Polarized Filtering Microstrip Antenna for 5G Applications | A2 | T01-A22 | MIMO, diversity, smart antennas & signal processing | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Sakai, Ryo | 18 Mar 2020 | 12:00 | 12:20 | Design and Characterization of 275-500 GHz Corrugated Horns and Optics for a Wideband Radio Astronomy Receiver | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Salah, Abd Alhay | 18 Mar 2020 | 13:20 | 13:20 | Highly Decoupled Compact SDARS WLAN Antennas for Automotive | Exhibition Hall | Poster2-A02 | Poster Session 2: Antenna interactions and coupling | Antennas |
| Salamon, Stephen | 18 Mar 2020 | 12:00 | 12:20 | Observations and Modelling of Propagation Loss in the Turbulent Sea Surface Environment | B10 | T11-P04 | Experimental methods and campaigns | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| SalarRahimi, Marzieh | 17 Mar 2020 | 18:00 | 18:20 | A 5G Active Antenna Tile and Its Characterization in a Reverberation Chamber | B5 | CS28 | EuMA/EurAAP Session: From Radiating Section to Digital Interface - Research and Design Trends for an End-To-End Approach of Highly Integrated Active Antenna Systems | T02 Millimetre wave 5G / Convened Session / Antennas |
| SalarRahimi, Marzieh | 17 Mar 2020 | 17:00 | 17:20 | Towards the Realization of the E-Wall Concept at Mm-Waves | A3 | CS56 | Recent Advances on Electronically Steerable Antenna Arrays at mm-Wave Frequencies | T02 Millimetre wave 5G / Convened Session / Antennas |
| SalarRahimi, Marzieh | 19 Mar 2020 | 13:20 | 13:20 | A Hybrid SSPPs-EBG Filter with Glide Symmetry for 5G Applications | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Salas-Natera, Miguel | 17 Mar 2020 | 13:20 | 13:20 | Tunable Dichroic Cell for Multi-band Reflector Antenna System | Exhibition Hall | Poster1-A18 | Poster Session 1: Reflector, feed systems, and components | Antennas |
| Salas-Sanchez, Aaron A | 17 Mar 2020 | 13:20 | 13:20 | Exploiting Real Far Field Patterns into the Multiplicity of Solutions for Linear Array Pattern Synthesis: Bandwidth Studies | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Salas-Sanchez, Aaron A | 17 Mar 2020 | 13:20 | 13:20 | Minimization Techniques of Q in Circular Taylor-like Distributions | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Salchak, Yana | 19 Mar 2020 | 13:20 | 13:20 | E-Field Distribution in Ex-Vivo Porcine Skin Layer from a Subsurface UHF Transmitter | Exhibition Hall | Poster3-A12 | Poster Session 3: Wearable and implantable antennas | Antennas |
| Salema, Carlos | 20 Mar 2020 | 09:30 | 09:50 | Radiowave Propagation Modelling in the Presence of Wildfires: Initial Results | B9 | T10-P02 | Propagation modelling and simulation | T10 EM modelling and simulation tools / Regular Session / Propagation |
| Saligheh Rad, Hamidreza | 18 Mar 2020 | 13:20 | 13:20 | A Novel Wearable RF Head Coil for High Resolution 7T Magnetic Resonance Imaging | Exhibition Hall | Poster2-A02 | Poster Session 2: Antenna interactions and coupling | Antennas |
| Salimitorikamani, Mahdi | 18 Mar 2020 | 09:10 | 09:30 | A Novel Machine Learning Approach of Hemorrhage Stroke Detection in Differential Microwave Head Imaging System | B10 | T11-P02/2 | Machine Learning in Radio Propagation | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Salkola, Mika | 18 Mar 2020 | 13:20 | 13:20 | Axicon-hyperbolic Lens for Reflectivity Measurements of Curved Surfaces | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Sallam, Mai | 17 Mar 2020 | 13:20 | 13:20 | On-Chip Micromachined Dielectric Resonator Antennas Loaded with Parasitic Circular/Crescent Patch for mm-Wave Applications | Exhibition Hall | Poster1-A07 | Poster Session 1: Dielectric resonator antennas | Antennas |
| Salmi, Albert | 17 Mar 2020 | 13:20 | 13:20 | Reducing User Effect on Mobile Antenna Systems with Antenna Cluster Technique | A2 (Poster Area) | Convened Poster 1-CS17 | Antennas with Multi-Port/Distributed Feeding and On-Antenna Power-Combining for Efficient Integration and Reconfigurability | T02 Millimetre wave 5G / Convened Session / Antennas |
| Salomatov, Yury | 19 Mar 2020 | 18:00 | 18:20 | A 3D Printed Luneburg Lens Fabricated by Fused Deposition Modelling | B4 | CS63 | State of the Art in Antenna Research in Russia | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Salous, Sana | 17 Mar 2020 | 12:00 | 12:20 | Path Loss Models and Delay Spread Parameters for the Millimetre Wave Channel in Indoor Environments | A3 | CS35 | IET/IRACON Session: Propagation Measurements and Modelling for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Salous, Sana | 20 Mar 2020 | 12:00 | 12:20 | Building Entry Loss and Clutter Loss at 26 GHz | A3 | CS37 | IRACON Spectrum Sharing: Challenges and Opportunities for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Salucci, Marco | 16 Mar 2020 | 14:10 | 14:30 | A Learning-by-Examples Method for Rapid Estimation of Surface Currents in Microstrip Antenna Arrays | B9 | CS64 | Trends and Advances in Machine Learning for Applied Electromagnetics | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Salucci, Marco | 16 Mar 2020 | 16:00 | 16:20 | Robust Multi-Resolution Microwave Imaging Through an Over-Constrained Approach | B8 | T05-E05 | Microwave imaging | T05 Biomedical and health / Regular Session / Electromagnetics |
| Salucci, Marco | 16 Mar 2020 | 17:40 | 18:00 | Real-Time Three-Dimensional Electrical Impedance Tomography of the Human Chest | B8 | T05-E05 | Microwave imaging | T05 Biomedical and health / Regular Session / Electromagnetics |
| Salucci, Marco | 17 Mar 2020 | 13:20 | 13:20 | From "Hostile" to "Nice" Environment in Communication and Sensing | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |

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| Salucci, Marco | 18 Mar 2020 | 11:00 | 11:20 | Advanced Teaching in Electromagnetics at the ELEDIA Research Center | B4 | CS26 | Education in Electromagnetics, Antennas, and Microwaves | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Salucci, Marco | 18 Mar 2020 | 09:30 | 09:50 | Recent Advances and Current Trends in Compressive Processing as Applied to Inverse Scattering | B9 | CS66 | Unconventional Techniques and Applications for Inverse Scattering Problems | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Salucci, Marco | 18 Mar 2020 | 13:20 | 13:20 | The Sparsity and Incoherence in Compressive Sensing as Applied to Field Reconstruction | A2 (Poster Area) | Convened Poster 2-CS61 | Signal Processing Techniques for Advanced Electromagnetics Synthesis, Analysis, and Measurements | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Salucci, Marco | 19 Mar 2020 | 08:30 | 08:50 | Towards Joint Sensing and Communication for 5G and Beyond Systems | B5 | CS25 | Convergence of Mobile Radio and Radar | T08 Positioning, localization & tracking / Convened Session / Propagation |
| Salucci, Marco | 19 Mar 2020 | 11:20 | 11:40 | Multi-Resolution Through-the-Wall Microwave Imaging of Strong Scatterers | B9 | T10-E05/1 | Electromagnetic Methods for Direct and Inverse Scattering Involving Stratified Media | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Salvatore, Alfredo | 19 Mar 2020 | 13:20 | 13:20 | Modified Yagi-Uda Reader Antenna for UHF RFID Smart-Glove | Exhibition Hall | Poster3-A15 | Poster Session 3: RFID antennas/sensors and systems | Antennas |
| Samadi Taheri, Mohammad Mehdi | 18 Mar 2020 | 13:20 | 13:20 | Millimeter-Wave Wide Scan Beam Steering 5G MIMO Antenna Array in Mobile Terminals | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Sambles, John | 16 Mar 2020 | 14:30 | 14:50 | Experimental Demonstration of Artificial Magnetic Conductors Constructed of Magnetically Coupled Helices | B4 | T07-A | Antenna theory and system design | T07 Defence and security / Regular Session / Antennas |
| Sammur, Charles | 18 Mar 2020 | 10:40 | 11:00 | On the Dielectric/Thermal Characterization and Calibration of Solutions and Materials for Biomedical Applications | B6 | SW03 | COST Session CA17115 (MyWAVE): Supporting Medical Device Development via Dielectric and Thermal Tissue Characterization | T05 Biomedical and health / Convened Session / Measurements |
| Sammur, Charles | 19 Mar 2020 | 11:40 | 12:00 | Determining the Concentration of Red Blood Cells Using Dielectric Properties | B7 | T11-P10 | Propagation in biological tissues | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Samoudi, Amine | 16 Mar 2020 | 13:50 | 14:10 | Multilayer Ultra-Miniature Loop Antenna for Insertable Pill Application | B6 | T05-A12/1 | Wearable and implantable antennas | T05 Biomedical and health / Regular Session / Antennas |
| Samura, Yuto | 18 Mar 2020 | 13:20 | 13:20 | High-gain and Low-profile Dielectric Cuboid Antenna at J-band | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Sana, Souai | 19 Mar 2020 | 13:20 | 13:20 | Design of Compact Superdirective and Reconfigurable Array Antenna Associated with Non-Foster Elements for IoT | Exhibition Hall | Poster3-A13 | Poster Session 3: Adaptive and reconfigurable antennas | Antennas |
| Sanad, Mohamed | 19 Mar 2020 | 11:40 | 12:00 | A Single Port Orthogonally Polarized Antenna for Handsets, IoT Terminals and Vehicles | A2 | T01-A02 | Terminal antennas and interactions with surroundings | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Sanchez, Daniel | 17 Mar 2020 | 12:00 | 12:20 | Multibeam Array Antennas Based on Evanescent-Mode Ridge-Waveguide Radiating Filters | B5 | CS01 | Active Antennas for Onboard Space Applications | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Sanchez-Cabello, Carlos | 17 Mar 2020 | 13:20 | 13:20 | Considerations in Designing Inverted Microstrip Gap Waveguide Components | A2 (Poster Area) | Convened Poster 1-CS19 | Applications of mm-Wave Gap Waveguide Technology-II | T02 Millimetre wave 5G / Convened Session / Antennas |
| Sánchez-Escuderos, Daniel | 17 Mar 2020 | 13:20 | 13:20 | Mechanical Phase Shifter in Gap-Waveguide Technology | A2 (Poster Area) | Convened Poster 1-CS19 | Applications of mm-Wave Gap Waveguide Technology-II | T02 Millimetre wave 5G / Convened Session / Antennas |
| Sánchez-Escuderos, Daniel | 18 Mar 2020 | 13:20 | 13:20 | A Novel Circularly-Polarized T-shaped Slot Array Antenna in Ka-band | Exhibition Hall | Poster2-A10 | Poster Session 2: Slotted-waveguide and leaky-wave antennas | Antennas |
| Sánchez-Heredia, Juan Diego | 17 Mar 2020 | 13:20 | 13:20 | Matching and Decoupling Networks for Receive-only MRI Arrays | A2 (Poster Area) | Convened Poster 1-CS27 | Electromagnetics in MRI Applications | T05 Biomedical and health / Convened Session / Electromagnetics |
| Sánchez-Heredia, Juan Diego | 17 Mar 2020 | 13:20 | 13:20 | Enhanced Low Frequency MRI Using Flexible Shape Arrays Made of Standard Wire | A2 (Poster Area) | Convened Poster 1-CS27 | Electromagnetics in MRI Applications | T05 Biomedical and health / Convened Session / Electromagnetics |
| Sanchez-Olivares, Pablo | 17 Mar 2020 | 13:20 | 13:20 | Circularly and Linearly Polarized Planar Reconfigurable Active Array Antennas in Ka Band | A2 (Poster Area) | Convened Poster 1-CS10 | Antenna Array and Integrated Systems for 5G Communication Applications | T02 Millimetre wave 5G / Convened Session / Antennas |
| Sanchez-Olivares, Pablo | 17 Mar 2020 | 13:20 | 13:20 | Ka-band Multi-beam Planar Lens Antenna for 5G Applications | Exhibition Hall | Poster1-A09 | Poster Session 1: Lens antennas | Antennas |
| Sanchez-Olivares, Pablo | 18 Mar 2020 | 13:20 | 13:20 | Dual Circularly Polarized Waveguide Array Antenna Formed by Full-Metallic Bow-tie Radiating Cavities | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Sánchez-Rama, Brais | 17 Mar 2020 | 09:10 | 09:30 | Effects of the Antenna Measurement Uncertainties on the Estimation of the Differential Reflectivity | B4 | T11-M02 | Radar scattering measurement and calibration techniques | T11 Fundamental research and emerging technologies / Regular Session / Measurements |
| Sánchez-Rama, Brais | 17 Mar 2020 | 09:30 | 09:50 | Analysis of the Cross-polar Radiation Effects on Differential Reflectivity Calibration | B4 | T11-M02 | Radar scattering measurement and calibration techniques | T11 Fundamental research and emerging technologies / Regular Session / Measurements |
| Sand, Stephan | 19 Mar 2020 | 12:00 | 12:20 | Physical Modeling for Device-Free Localization Exploiting Multipath Propagation of Mobile Radio Signals | B5 | CS25 | Convergence of Mobile Radio and Radar | T08 Positioning, localization & tracking / Convened Session / Propagation |
| Sandenbergh, Stephan | 18 Mar 2020 | 13:20 | 13:20 | Data Transfer and Communication in Radar Networks | Exhibition Hall | Poster2-P12 | Poster Session 2: Radar, localisation, and sensing | Propagation |
| Sangay, Sangay | 19 Mar 2020 | 17:00 | 17:20 | Measurements of Opportunistic Aircraft Signals and Verification of a Propagation Prediction Tool in Mountainous Region | B7 | T06-P12 | Radar, localisation and sensing for aircraft and automotive applications | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Propagation |
| Sangodoyin, Seun | 16 Mar 2020 | 13:30 | 13:50 | 60 GHz V2I Channel Variability for Different Elevation Angle Switching Strategies | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Sangodoyin, Seun | 17 Mar 2020 | 13:20 | 13:20 | Remote Monitoring and Propagation Modeling of EM Side-Channel Signals for IoT Device Security | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |

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| Sangodoyin, Seun | 20 Mar 2020 | 09:10 | 09:30 | Terahertz MIMO Fading Analysis and Doppler Modeling in a Data Center Environment | B9 | T10-P02 | Propagation modelling and simulation | T10 EM modelling and simulation tools / Regular Session / Propagation |
| Santalla del Rio, Veronica | 17 Mar 2020 | 09:10 | 09:30 | Effects of the Antenna Measurement Uncertainties on the Estimation of the Differential Reflectivity | B4 | T11-M02 | Radar scattering measurement and calibration techniques | T11 Fundamental research and emerging technologies / Regular Session / Measurements |
| Santalla del Rio, Veronica | 17 Mar 2020 | 09:30 | 09:50 | Analysis of the Cross-polar Radiation Effects on Differential Reflectivity Calibration | B4 | T11-M02 | Radar scattering measurement and calibration techniques | T11 Fundamental research and emerging technologies / Regular Session / Measurements |
| Santamaria Botello, Gabriel | 18 Mar 2020 | 09:50 | 10:10 | Compact Millimeter and Submillimeter-Wave Photonic Radiometer for Cubesats | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Santamaria, Luca | 17 Mar 2020 | 17:40 | 18:00 | Compact 4-Element Radiation Pattern Agile Antenna for Spatial Filtering in IoT Networks | B1 | CS58 | Reconfigurable Antennas for Compact Devices | T04 IoT and M2M / Convened Session / Antennas |
| Santorelli, Adam | 18 Mar 2020 | 09:10 | 09:30 | Fast Measurements of Dielectric Properties with Small Size Microwave Transceiver | B6 | SW03 | COST Session CA17115 (MyWAVE): Supporting Medical Device Development via Dielectric and Thermal Tissue Characterization | T05 Biomedical and health / Convened Session / Measurements |
| Santorelli, Adam | 19 Mar 2020 | 11:40 | 12:00 | Determining the Concentration of Red Blood Cells Using Dielectric Properties | B7 | T11-P10 | Propagation in biological tissues | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Santorelli, Adam | 20 Mar 2020 | 08:30 | 08:50 | Detailed Dielectric Characterisation of the Heart and Great Vessels | B6 | SW06 | H2020 Session ID764479 (EMERALD): Electromagnetic Imaging for a Novel Generation of Medical Devices | T05 Biomedical and health / Convened Session / Electromagnetics |
| Santra, Avik | 17 Mar 2020 | 08:50 | 09:10 | Breast Cancer Imaging Using a 24 GHz Ultra-Wideband MIMO FMCW Radar: System Considerations and First Imaging Results | B6 | CS60 | Sensors and Systems for Microwave Biomedical Imaging and Sensing | T05 Biomedical and health / Convened Session / Antennas |
| Sanz-Izquierdo, Benito | 17 Mar 2020 | 16:40 | 17:00 | Tag Design for RFID AC Current Sensing System | B2 | T04-A15 | RFID and backscattering antennas | T04 IoT and M2M / Regular Session / Antennas |
| Sanz-Izquierdo, Benito | 18 Mar 2020 | 11:00 | 11:20 | Removable Finger Nail Antenna | B2 | CS62 | Small Antenna in a Human Body Environment | T04 IoT and M2M / Convened Session / Antennas |
| Sanz-Izquierdo, Benito | 20 Mar 2020 | 11:00 | 11:20 | Evaluation of Aerosol Jet Printing of Frequency Selective Surface on Glass for Building and RF Applications | B1 | CS33 | IET Session: New Antenna Systems Involving Application of Metamaterials and Metasurfaces | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Saporetti, Maria Alberica | 19 Mar 2020 | 13:20 | 13:20 | L/S & C Band Medium Gain Ridge Horn Intercomparison Campaign Results | Exhibition Hall | Poster3-M10 | Poster Session 3: General antenna measurements | Measurements |
| Saporetti, Maria Alberica | 20 Mar 2020 | 12:00 | 12:20 | Echo Reduction Properties of Fast Non-Redundant Planar NF Sampling Methodologies | B2 | T02-M08 | Mm-wave, THz, and quasi-optical antenna measurements | T02 Millimetre wave 5G / Regular Session / Measurements |
| Sarbazi Golazari, Samineh | 18 Mar 2020 | 13:20 | 13:20 | Optimal Beamforming Using Clustered Evolutionary Teaching and Learning | Exhibition Hall | Poster2-E04 | Poster Session 2: Optimisation methods in EM | Electromagnetics |
| Särestöniemi, Mariella | 18 Mar 2020 | 13:20 | 13:20 | A Preliminary Analysis of User's Body Impact on Signal Polarization in WBANs | Exhibition Hall | Poster2-P10 | Poster Session 2: Propagation in biological tissues and body-area propagation | Propagation |
| Sarkar, Anirban | 19 Mar 2020 | 09:30 | 09:50 | Latest Developments and New Design Approaches in Designing Leaky-wave Antennas Based on Substrate Integrated Waveguide Technology | B2 | CS46 | New Trends in Leaky Wave Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Sarkar, Debdeep | 17 Mar 2020 | 17:00 | 17:20 | An Electromagnetic Framework for the Deployment of Reconfigurable Intelligent Surfaces to Control Massive MIMO Channel Characteristics | B10 | T11-P02/1 | Channel Modelling for Massive MIMO and Near-Field Communication Systems | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Sarrazin, Francois | 17 Mar 2020 | 08:30 | 08:50 | Radar Cross Section Measurement Within Reverberation Chamber: Stirrer Position Issues | B4 | T11-M02 | Radar scattering measurement and calibration techniques | T11 Fundamental research and emerging technologies / Regular Session / Measurements |
| Sarrazin, Francois | 18 Mar 2020 | 13:20 | 13:20 | Circularly Polarized Electrically Small Antenna Using Chiral Metamaterials and Based on Characteristic Modes Theory | Exhibition Hall | Poster2-A08 | Poster Session 2: Electrically small antennas | Antennas |
| Sarrazin, Francois | 19 Mar 2020 | 13:20 | 13:20 | Comparison of Antenna Radiation Efficiency Measurement Techniques in Reverberation Chamber Using or Not a Reference Antenna | Exhibition Hall | Poster3-M10 | Poster Session 3: General antenna measurements | Measurements |
| Sarrazin, Julien | 16 Mar 2020 | 16:00 | 16:20 | Reconfigurable Microwave Components Using Glide-symmetric Pin-loaded Parallel Plates | B1 | SW04 | COST Session CA18223 (SyMat): Periodic Structures with Higher Symmetries | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Sato, Akihiro | 19 Mar 2020 | 11:20 | 11:40 | A Study on Vegetation Loss Model with Seasonal Characteristics | B1 | T01-P02 | Propagation modelling and simulation | T01 LTE and Sub-6GHz 5G / Regular Session / Propagation |
| Sauleau, Ronan | 16 Mar 2020 | 13:30 | 13:50 | Quasi-Optical Excitation of a Circularly-Polarized Metasurface Antenna at K-band | B2 | CS21 | Challenges in Leaky Wave Antennas and Novel Approaches to Solve Them | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Sauleau, Ronan | 16 Mar 2020 | 13:50 | 14:10 | Broadband Offset-Reflector Beamformer on BCB in the 300-GHz Band | B10 | CS24 | Controlling EM Waves with Low- and High-Dimensional Metamaterials | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Sauleau, Ronan | 16 Mar 2020 | 15:10 | 15:30 | All-Metal Graded Index Gutman Lens Antenna - A More Compact Luneburg Lens | B8 | T09-A09 | Millimetre wave lens antennas for space applications | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Sauleau, Ronan | 16 Mar 2020 | 17:00 | 17:20 | A Photonic Beam-Steerable Mm-wave Antenna Array for Radio over Fiber Applications | A2 | T02-A04/1 | Millimetre wave arrays for mobile communications | T02 Millimetre wave 5G / Regular Session / Antennas |
| Sauleau, Ronan | 17 Mar 2020 | 13:20 | 13:20 | Broadband CTS Array in PCB Technology | A2 (Poster Area) | Convened Poster 1-CS10 | Antenna Array and Integrated Systems for 5G Communication Applications | T02 Millimetre wave 5G / Convened Session / Antennas |
| Sauleau, Ronan | 18 Mar 2020 | 08:30 | 08:50 | Towards a Si/GaAs Based Flat-Panel Quasi-Optical Metasurface Antenna with Switchable Beam Characteristics | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |

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| Sauleau, Ronan | 18 Mar 2020 | 13:20 | 13:20 | Optimal Frequency of Operation and Radiation Efficiency Limitations of Implantable Antennas | A2 (Poster Area) | Convened Poster 2-CS14 | Antennas for Harsh Environment | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Sauleau, Ronan | 18 Mar 2020 | 13:20 | 13:20 | Transmit-Arrays at Ka-band for Harsh Environment | A2 (Poster Area) | Convened Poster 2-CS14 | Antennas for Harsh Environment | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Sauleau, Ronan | 19 Mar 2020 | 08:50 | 09:10 | Terahertz X-wave Launchers by Metallic Spline-Profiled Horns | B4 | CS44 | Near-Field Focusing and Pulse Generation Through Localized Waves | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Sauleau, Ronan | 19 Mar 2020 | 13:20 | 13:20 | A Compact and Broadband Four-Way Dual Polarization Waveguide Power Divider for Antenna Arrays | Exhibition Hall | Poster3-A14 | Poster Session 3: Active and integrated antennas | Antennas |
| Sauleau, Ronan | 20 Mar 2020 | 11:00 | 11:20 | P-i-n Diode Based Electronically Steerable Transmitarrays for SOTM at Ka-band | B8 | CS59 | Reconfigurable Reflectarray and Transmitarrays | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Saunders, Theo | 18 Mar 2020 | 13:20 | 13:20 | Modelling of the Mechanical Antenna Using the Biot-Savart Law | Exhibition Hall | Poster2-E03 | Poster Session 2: Computational and numerical techniques | Electromagnetics |
| Savazzi, Matteo | 20 Mar 2020 | 12:00 | 12:20 | Development of a Transmission-Based Open-Ended Coaxial-Probe Suitable for Axillary Lymph Node Dielectric Measurements | B6 | SW06 | H2020 Session ID764479 (EMERALD): Electromagnetic Imaging for a Novel Generation of Medical Devices | T05 Biomedical and health / Convened Session / Electromagnetics |
| Savi, Patrizia | 19 Mar 2020 | 13:20 | 13:20 | Microstrip Tunable Antenna Based on Commercial Graphene Nanoplatelets | Exhibition Hall | Poster3-A13 | Poster Session 3: Adaptive and reconfigurable antennas | Antennas |
| Sayad, Djamel | 17 Mar 2020 | 11:20 | 11:40 | A Compact Frequency Reconfigurable DRA for GSM, LTE, and 5G Applications Services | B10 | CS39 | Machine Learning in Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Sayama, Toshiaki | 18 Mar 2020 | 08:30 | 08:50 | Transparent Glass Antenna for 28 GHz and Its Signal Reception Characteristics in Urban Environment | B7 | T06-A17 | Automotive antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Sayanskiy, Andrey | 16 Mar 2020 | 17:20 | 17:40 | Investigation of Surface Waves on Anisotropic Self-Complementary Metasurfaces | B10 | CS24 | Controlling EM Waves with Low- and High-Dimensional Metamaterials | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Sayanskiy, Andrey | 19 Mar 2020 | 13:20 | 13:20 | THz Power Divider Based on Self-Complementary Metasurface | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Sayanskiy, Andrey | 19 Mar 2020 | 13:20 | 13:20 | Preliminary Investigation of B-dot Wire Concept | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Sayem, Abu Sadat Md. | 16 Mar 2020 | 14:30 | 14:50 | Robustness Analysis of the Polymer-Conductive-Mesh Composite for the Realization of Transparent and Flexible Wearable Antennas | B6 | T05-A12/1 | Wearable and implantable antennas | T05 Biomedical and health / Regular Session / Antennas |
| Sberna, Paolo | 19 Mar 2020 | 18:00 | 18:20 | On the Design of Bulk Absorbers at THz Frequencies | A2 | CS42 | Nano and Quantum Antennas | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Scalise, Giuseppe | 18 Mar 2020 | 13:20 | 13:20 | Magneto-Electric Dipole Antenna for 5-G Applications | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Scanlon, William G. | 19 Mar 2020 | 13:20 | 13:20 | A 915 MHz Wristwatch-Integrated Antenna for Wireless Health Monitoring | Exhibition Hall | Poster3-A12 | Poster Session 3: Wearable and implantable antennas | Antennas |
| Scannavini, Alessandro | 18 Mar 2020 | 11:00 | 11:20 | OTA Testing of Antennas & Devices Using Plane Wave Generator or Synthesizer | A3 | CS06 | AMTA/IRACON Session: Over-The-Air Testing of 5G Radios | T02 Millimetre wave 5G / Convened Session / Measurements |
| Scannavini, Alessandro | 19 Mar 2020 | 08:50 | 09:10 | Incident Power Density Assessment Study for 5G Millimeter-Wave Handset Based on Equivalent Currents Method | A3 | CS34 | IET/AMTA Session: Test and Measurement Challenges for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Measurements |
| Scapatucci, Rosa | 17 Mar 2020 | 11:20 | 11:40 | Portable 3-D Microwave Imaging System for Cerebrovascular Diseases Monitoring | B7 | SW02 | COST Session CA17115 (MyWAVE): Developments in Electromagnetic-Based Medical Technologies | T05 Biomedical and Health / Convened Session / Electromagnetics |
| Scarabosio, Andrea | 17 Mar 2020 | 10:40 | 11:00 | Fast Antenna Array Characterization with Numerical Basis Functions | B4 | T10-M10 | General Antenna Measurements | T10 EM modelling and simulation tools / Regular Session / Measurements |
| Scarborough, Cody | 18 Mar 2020 | 10:40 | 11:00 | A Spatio-Temporally Modulated Metasurface as a Free-Space N-Path System | B5 | CS47 | Non-Magnetic Nonreciprocity | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Scattone, Francesco | 18 Mar 2020 | 11:00 | 11:20 | OTA Testing of Antennas & Devices Using Plane Wave Generator or Synthesizer | A3 | CS06 | AMTA/IRACON Session: Over-The-Air Testing of 5G Radios | T02 Millimetre wave 5G / Convened Session / Measurements |
| Schab, Kurt | 20 Mar 2020 | 09:10 | 09:30 | Adapting Frequency Domain Physical Bounds for the Analysis of Time-Varying Transmitters | B10 | CS11 | Antenna Design and Fundamental Bounds with External Constraints | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Schab, Kurt | 20 Mar 2020 | 09:50 | 10:10 | Fundamental Bounds for Volumetric Structures and Their Feasibility | B10 | CS11 | Antenna Design and Fundamental Bounds with External Constraints | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Schaefer, David | 17 Mar 2020 | 13:20 | 13:20 | Compact and Modular Ka-Band Front-end Concept for SATCOM and 5G | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Schalk, Lukas Marcel | 19 Mar 2020 | 08:50 | 09:10 | Wideband Channel Measurements and First Findings for Low Altitude Drone-to-Drone Links in an Urban Scenario | B7 | T06-P09 | Propagation for Unmanned Aerial Vehicles (UAVs) | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Propagation |
| Schena, Vincenzo | 19 Mar 2020 | 17:40 | 18:00 | The MEKaP Project: Measuring Tropospheric Impairments at Ka Band with MEO Satellites | B8 | T09-P13 | Propagation Aspects in Remote Sensing | T09 Space (incl. cubesat) / Regular Session / Propagation |
| Schettini, Giuseppe | 17 Mar 2020 | 17:20 | 17:40 | Radiation Shaping by Using Lattice Modes in a Dual-feed Dielectric Structure | B9 | CS32 | High-Frequency Methods and Applications | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Schettini, Giuseppe | 19 Mar 2020 | 11:40 | 12:00 | Forward and Inverse Scattering Models Applied to Through-Wall Imaging | B9 | T10-E05/1 | Electromagnetic Methods for Direct and Inverse Scattering Involving Stratified Media | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Schettino, Fulvio | 18 Mar 2020 | 13:20 | 13:20 | Efficient and Effective Synthesis of Large Arrays for 5G and Beyond | A2 (Poster Area) | Convened Poster 2-CS61 | Signal Processing Techniques for Advanced Electromagnetics Synthesis, Analysis, and Measurements | T10 EM modelling and simulation tools / Convened Session / Antennas |

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| Schieler, Steffen | 19 Mar 2020 | 11:00 | 11:20 | Performance of OFDMA Resource Scheduling in Joint Mobile Radio and Radar Networks | B5 | CS25 | Convergence of Mobile Radio and Radar | T08 Positioning, localization & tracking / Convened Session / Propagation |
| Schießl, Sascha | 17 Mar 2020 | 13:20 | 13:20 | Interpretation of the Physical Layer Measurements of Smartphones as Measures of Exposure to Electromagnetic Fields | Exhibition Hall | Poster1-M04 | Poster Session 1: Data acquisition, imaging algorithms and processing methods | Measurements |
| Schindler, Daniel | 19 Mar 2020 | 09:10 | 09:30 | IQ-Imbalance Compensation for Wideband OFDM-Radar | B5 | CS25 | Convergence of Mobile Radio and Radar | T08 Positioning, localization & tracking / Convened Session / Propagation |
| Schmidhammer, Martin | 19 Mar 2020 | 12:00 | 12:20 | Physical Modeling for Device-Free Localization Exploiting Multipath Propagation of Mobile Radio Signals | B5 | CS25 | Convergence of Mobile Radio and Radar | T08 Positioning, localization & tracking / Convened Session / Propagation |
| Schmidt, Martin | 18 Mar 2020 | 13:20 | 13:20 | Automated Measurement Setup for the On-body Link of Wireless Body Area Networks | Exhibition Hall | Poster2-P10 | Poster Session 2: Propagation in biological tissues and body-area propagation | Propagation |
| Schmieder, Mathis | 17 Mar 2020 | 11:20 | 11:40 | Measurement and Characterization of an Indoor Industrial Environment at 3.7 and 28 GHz | A3 | CS35 | IET/IRACON Session: Propagation Measurements and Modelling for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Schneider, Armin | 18 Mar 2020 | 13:20 | 13:20 | Telemetry Antennas Withstanding Very High Accelerations and Centrifugal Forces | A2 (Poster Area) | Convened Poster 2-CS14 | Antennas for Harsh Environment | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Schneider, Christian | 19 Mar 2020 | 11:00 | 11:20 | Performance of OFDMA Resource Scheduling in Joint Mobile Radio and Radar Networks | B5 | CS25 | Convergence of Mobile Radio and Radar | T08 Positioning, localization & tracking / Convened Session / Propagation |
| Schneider, Karina | 16 Mar 2020 | 16:00 | 16:20 | Dual-Polarized Dielectric Resonator Antenna Array for 5G Mobile Radio Base Stations | A2 | T02-A04/1 | Millimetre wave arrays for mobile communications | T02 Millimetre wave 5G / Regular Session / Antennas |
| Schneider, Karina | 18 Mar 2020 | 13:20 | 13:20 | Broadband Dual-Polarized Stacked Microstrip Antenna with Pin-And Edge-Feed for 5G Applications in Ka-Band | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Schobert, Dennis T. | 18 Mar 2020 | 08:50 | 09:10 | Design of Ka-band Reflectarray Antennas for High Resolution SAR Instrument | A2 | T09-A19 | Reflect arrays and transmit arrays | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Schoch, Reto | 19 Mar 2020 | 10:40 | 11:00 | Penetration Loss into Train Wagons: Q-factor Measurements | B1 | T01-P02 | Propagation modelling and simulation | T01 LTE and Sub-6GHz 5G / Regular Session / Propagation |
| Schön, Steffen | 19 Mar 2020 | 13:20 | 13:20 | Robot-based Calibration of Multi-GNSS Receiver Antennas Using Real Satellite Signals | Exhibition Hall | Poster3-M10 | Poster Session 3: General antenna measurements | Measurements |
| Schrader, Thorsten | 17 Mar 2020 | 13:20 | 13:20 | An Improved Forecast Method for the Interaction of Wind Turbines with Doppler VOR | A2 (Poster Area) | Convened Poster 1-CS57 | Recent Research on Wind Turbines: EM Modelling and Measurements | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Schrader, Thorsten | 18 Mar 2020 | 12:00 | 12:20 | Advanced Remote-Controlled Airborne Sensor Systems | B11 | T06-M10 | UAV-Based Antenna Measurements (AMTA) | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Measurements |
| Schreurs, Dominique | 17 Mar 2020 | 18:00 | 18:20 | A 5G Active Antenna Tile and Its Characterization in a Reverberation Chamber | B5 | CS28 | EuMA/EurAAP Session: From Radiating Section to Digital Interface - Research and Design Trends for an End-To-End Approach of Highly Integrated Active Antenna Systems | T02 Millimetre wave 5G / Convened Session / Antennas |
| Schulpen, Robbert | 18 Mar 2020 | 13:20 | 13:20 | 5G Millimeter-Wave NLOS Coverage Using Specular Building Reflections | Exhibition Hall | Poster2-P05 | Poster Session 2: Mm-wave and UWB propagation | Propagation |
| Schurig, Fritz | 19 Mar 2020 | 13:20 | 13:20 | SSEEM - An Innovative Spread Spectrum System for SatCom Antenna Radiation Patterns Measurements | Exhibition Hall | Poster3-M10 | Poster Session 3: General antenna measurements | Measurements |
| Schüßler, Martin | 19 Mar 2020 | 13:20 | 13:20 | Temperature Characterization of High-Q Resonators of Different Materials for mm-Wave Indoor Localization Tag Landmarks | Exhibition Hall | Poster3-A21 | Poster Session 3: Additive manufacturing | Antennas |
| Schwank, Mike | 17 Mar 2020 | 13:20 | 13:20 | Monitoring of Snow Cover Properties Using Active and Passive Microwave Sensors in Boreal Forests: Implications of Variable Canopy Transmissivity | A2 (Poster Area) | Convened Poster 1-CS08 | Analysis, Design and Use of Microwave Techniques, Models, Systems, and Antennas for Snowpack Avalanches Monitoring | T08 Positioning, localization & tracking / Convened Session / Propagation |
| Schwefel, Harald | 18 Mar 2020 | 09:50 | 10:10 | Compact Millimeter and Submillimeter-Wave Photonic Radiometer for Cubesats | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Schweizer, Benedikt | 19 Mar 2020 | 09:10 | 09:30 | IQ-Imbalance Compensation for Wideband OFDM-Radar | B5 | CS25 | Convergence of Mobile Radio and Radar | T08 Positioning, localization & tracking / Convened Session / Propagation |
| Schweizer, Bernd | 19 Mar 2020 | 10:40 | 11:00 | EM-Thermal Co-Simulation of Microwave Ablation Applicator in Liver Tissue Phantom with Bowtie-Slot Surface Antenna | B7 | T11-P10 | Propagation in biological tissues | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Schwerdt, Marco | 17 Mar 2020 | 13:20 | 13:20 | Contingency Mitigation Aspects for Reflector Based Satellite SAR Systems | Exhibition Hall | Poster1-A18 | Poster Session 1: Reflector, feed systems, and components | Antennas |
| Schwind, Andreas | 17 Mar 2020 | 13:20 | 13:20 | Advanced Calibration Method for Accurate Microwave Absorber Reflectivity Measurements at Oblique Illumination Angles | Exhibition Hall | Poster1-M01 | Poster Session 1: Material characterisation and non-destructive testing | Measurements |
| Schwind, Andreas | 17 Mar 2020 | 16:40 | 17:00 | Bi-static Nearfield Calibration for RCS Measurements in the C-V2X Frequency Range | B7 | CS03 | Advanced Radar Measurements, Modelling and System Solutions for Vehicular Applications | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Convened Session / Measurements |
| Scialacqua, Lucia | 19 Mar 2020 | 10:40 | 11:00 | Diagnostics on Electrically Large Structures by a Nested Skeletonization Scheme Enhancement of the Equivalent Current Technique | B10 | CS07 | AMTA/EurAAP Session: Post Processing Techniques in Antenna Measurements | T11 Fundamental research and emerging technologies / Convened Session / Measurements |

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|------------------------|-------------|-------|-------|---|-----------------|-------------|--|---|
| Scialacqua, Lucia | 19 Mar 2020 | 08:50 | 09:10 | Incident Power Density Assessment Study for 5G Millimeter-Wave Handset Based on Equivalent Currents Method | A3 | CS34 | IET/AMTA Session: Test and Measurement Challenges for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Measurements |
| Scialacqua, Lucia | 19 Mar 2020 | 16:40 | 17:00 | Equivalent Source Technique Processing of Broadband Antenna Measurements | B10 | CS48 | Novel Antenna Measurement Data Analysis and Techniques | T11 Fundamental research and emerging technologies / Convened Session / Measurements |
| Sciarrone, Andrea | 17 Mar 2020 | 10:40 | 11:00 | A Tomographic Multistatic System for Biomedical Microwave Sensing | B6 | CS60 | Sensors and Systems for Microwave Biomedical Imaging and Sensing | T05 Biomedical and health / Convened Session / Antennas |
| Scully, Stephen | 18 Mar 2020 | 11:00 | 11:20 | The Optical Combiner of QUBIC: The Q & U Bolometric Interferometer for Cosmology | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Sebek, Jan | 17 Mar 2020 | 11:00 | 11:20 | Characterization of Esophageal Temperature Profiles During Cardiac Radiofrequency Ablation | B7 | SW02 | COST Session CA17115 (MyWAVE): Developments in Electromagnetic-Based Medical Technologies | T05 Biomedical and Health / Convened Session / Electromagnetics |
| Sebek, Jan | 18 Mar 2020 | 11:20 | 11:40 | Broadband Dielectric Measurements of Ex-Vivo Uterine Fibroid Tissues over the Ablative Temperature Range | B6 | SW03 | COST Session CA17115 (MyWAVE): Supporting Medical Device Development via Dielectric and Thermal Tissue Characterization | T05 Biomedical and health / Convened Session / Measurements |
| Sedky, Sherif | 17 Mar 2020 | 13:20 | 13:20 | On-Chip Micromachined Dielectric Resonator Antennas Loaded with Parasitic Circular/Crescent Patch for mm-Wave Applications | Exhibition Hall | Poster1-A07 | Poster Session 1: Dielectric resonator antennas | Antennas |
| Sedlmeir, Florian | 18 Mar 2020 | 09:50 | 10:10 | Compact Millimeter and Submillimeter-Wave Photonic Radiometer for Cubesats | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| See, Chan H. Hwang | 16 Mar 2020 | 17:00 | 17:20 | Impedance Matching Network Based on Bianisotropic Metasurfaces for Antennas Operating at High Microwave, Millimeter-Wave or Terahertz Frequencies | B11 | T11-E08 | Metamaterials, metasurfaces and advanced materials | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| See, Chan H. Hwang | 17 Mar 2020 | 09:50 | 10:10 | Metasurface Structures with Bianisotropic Characteristics for Wide-Angle Impedance Matching in Phased-Array Antennas | B9 | CS09 | Analytical and Numerical Methods for Metasurface Analysis and Design | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| See, Terence S.P. | 19 Mar 2020 | 13:20 | 13:20 | Power Allocation Optimization of A Conformal Antenna Array for Satellite Applications | Exhibition Hall | Poster3-A06 | Poster Session 3: Conformal antennas | Antennas |
| Seetharamdoo, Divitha | 18 Mar 2020 | 13:20 | 13:20 | Circularly Polarized Electrically Small Antenna Using Chiral Metamaterials and Based on Characteristic Modes Theory | Exhibition Hall | Poster2-A08 | Poster Session 2: Electrically small antennas | Antennas |
| Seetharamdoo, Divitha | 19 Mar 2020 | 13:20 | 13:20 | Fano Resonance Based Multiple Angle Retrodirective Metasurface | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Segador, Juan | 17 Mar 2020 | 16:40 | 17:00 | Active Antenna Architectures for Enhanced 5G System Performance | B5 | CS28 | EuMA/EurAAP Session: From Radiating Section to Digital Interface - Research and Design Trends for an End-To-End Approach of Highly Integrated Active Antenna Systems | T02 Millimetre wave 5G / Convened Session / Antennas |
| Segal, Gil | 17 Mar 2020 | 13:20 | 13:20 | Wall Parameters Sensitivity for Indoor Radio Waves Attenuation | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Segovia-Vargas, Daniel | 16 Mar 2020 | 16:00 | 16:20 | Rectenna at 2.45 GHz for Wearable Applications | B6 | T05-A12/1 | Wearable and implantable antennas | T05 Biomedical and health / Regular Session / Antennas |
| Segovia-Vargas, Daniel | 18 Mar 2020 | 09:50 | 10:10 | Compact Millimeter and Submillimeter-Wave Photonic Radiometer for Cubesats | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Segovia-Vargas, Daniel | 19 Mar 2020 | 08:30 | 08:50 | Dual-Band Array of Cross-Polarized Vivaldi Antennas for 5G Applications | A2 | T01-A11 | Multiband and wideband antennas | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Segura-Gómez, Cleofás | 18 Mar 2020 | 13:20 | 13:20 | Design of Compact H-plane SIW Antenna at Ka Band | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Sehatbakhsh, Nader | 17 Mar 2020 | 13:20 | 13:20 | Remote Monitoring and Propagation Modeling of EM Side-Channel Signals for IoT Device Security | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Sekine, Norihiko | 18 Mar 2020 | 13:20 | 13:20 | High-gain and Low-profile Dielectric Cuboid Antenna at J-band | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Sekuljica, Darko | 18 Mar 2020 | 11:00 | 11:20 | OTA Testing of Antennas & Devices Using Plane Wave Generator or Synthesizer | A3 | CS06 | AMTA/IRACON Session: Over-The-Air Testing of 5G Radios | T02 Millimetre wave 5G / Convened Session / Measurements |
| Semernya, Daniel | 19 Mar 2020 | 16:40 | 17:00 | Circular-Polarized Antennas Far-Field Enhancement Using Round Reflectors with Curved Sidewall | B4 | CS63 | State of the Art in Antenna Research in Russia | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Semernya, Ekaterina | 20 Mar 2020 | 11:00 | 11:20 | Electromagnetic Scattering by an Inhomogeneous Body of Revolution: a General Approach Based on the Hybrid Projection Method | B4 | T11-E06 | Scattering and diffraction | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Semkin, Vasilii | 18 Mar 2020 | 13:20 | 13:20 | Characterizing 60 GHz Patch Antenna Segments for Fully Digital Transceiver | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Semple, Mitchell | 16 Mar 2020 | 16:20 | 16:40 | Design and Simulation of Polarization-Sensitive ENNZ-Lined Apertures for Visible-Light Metasurfaces | B11 | T11-E08 | Metamaterials, metasurfaces and advanced materials | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Senega, Simon | 17 Mar 2020 | 13:20 | 13:20 | A Three-Antenna Compact Micro-Diversity Module for Automotive Satellite Radio Reception | Exhibition Hall | Poster1-A22 | Poster Session 1: MIMO, diversity, smart antennas & signal processing | Antennas |

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|-------------------------------|-------------|-------|-------|---|-----------------|-------------|---|---|
| Sengupta, Sohini | 19 Mar 2020 | 16:40 | 17:00 | Review of Recent Advances in the Leaky-Wave Analysis of 2-D Leaky-Wave Antennas | B2 | T02-A10 | Leaky-wave and Traveling-wave Antennas | T02 Millimetre wave 5G / Regular Session / Antennas |
| Senic, Jelena | 17 Mar 2020 | 09:30 | 09:50 | Penetration Loss at 60 GHz for Indoor-to-Indoor and Outdoor-to-Indoor Mobile Scenarios | A3 | CS35 | IET/IRACON Session: Propagation Measurements and Modelling for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Seo, Yejune | 17 Mar 2020 | 08:30 | 08:50 | A Small Metamaterial Dual-Band Dipole Antenna Fed by Small Metamaterial Balanced-Feed | B2 | CS16 | Antennas in IoT Wireless Devices: Modelling and Industrial Considerations | T04 IoT and M2M / Convened Session / Antennas |
| Seo, Yejune | 20 Mar 2020 | 08:30 | 08:50 | A Novel Metamaterial Dual-band GPS Antenna Extendable to Space Diversity Applications | B1 | CS33 | IET Session: New Antenna Systems Involving Application of Metamaterials and Metasurfaces | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Serbest, Sanberk | 16 Mar 2020 | 17:00 | 17:20 | A Biodegradable Implant Antenna Detecting Post-Surgical Infection | B6 | T05-A12/1 | Wearable and implantable antennas | T05 Biomedical and health / Regular Session / Antennas |
| Sergeeva, Maria A | 17 Mar 2020 | 13:20 | 13:20 | Complex Sounding of the Ionosphere During the Intense Magnetic Substorm | Exhibition Hall | Poster1-P03 | Poster Session 1: Channel sounding and parameter estimation techniques | Propagation |
| Sergeeva, Maria A | 18 Mar 2020 | 10:40 | 11:00 | Possibility of Signal Reflection from the Northern Crest of EIA: Case Study | B10 | T11-P04 | Experimental methods and campaigns | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Serizawa, Koichi | 17 Mar 2020 | 11:20 | 11:40 | Antennas and Propagation Technologies of V2V Communications for Platooning | B1 | CS38 | ISAP Session: Recent Advances in Asian Antennas and Propagation Research | T02 Millimetre wave 5G / Convened Session / Antennas |
| Serres, Alexandre | 18 Mar 2020 | 13:20 | 13:20 | Dual-Band Band-Pass Frequency Selective Surface Based on the Matryoshka Geometry with Angular Stability and Polarization Independence | Exhibition Hall | Poster2-E07 | Poster Session 2: Frequency and polarization selective surfaces | Electromagnetics |
| Serres, Alexandre | 19 Mar 2020 | 13:20 | 13:20 | Validation Tests for the Application of a Circular PMA with Slotted Ground Plane for Partial Discharges Detection in Power Transformers | Exhibition Hall | Poster3-A11 | Poster Session 3: Multiband and wideband antennas | Antennas |
| Serres, Alexandre | 19 Mar 2020 | 13:20 | 13:20 | Eco-Friendly Metamaterial Antenna for 2.4 GHz WLAN Applications | Exhibition Hall | Poster3-A23 | Poster Session 3: Other antenna topics | Antennas |
| Serres, Georgina | 19 Mar 2020 | 13:20 | 13:20 | Eco-Friendly Metamaterial Antenna for 2.4 GHz WLAN Applications | Exhibition Hall | Poster3-A23 | Poster Session 3: Other antenna topics | Antennas |
| Serry, Mohamed | 17 Mar 2020 | 13:20 | 13:20 | On-Chip Micromachined Dielectric Resonator Antennas Loaded with Parasitic Circular/Crescent Patch for mm-Wave Applications | Exhibition Hall | Poster1-A07 | Poster Session 1: Dielectric resonator antennas | Antennas |
| Sert, Ayse Buse Ozdabak | 20 Mar 2020 | 11:20 | 11:40 | Broadband Microwave Dielectric Property Comparison of Human Fetal Osteoblastic (hFOB) and Osteosarcoma (SaOS-2) Cell Lines | B5 | T11-M01 | Material characterisation and non-destructive testing | T11 Fundamental research and emerging technologies / Regular Session / Measurements |
| Serup, Daniel E. | 19 Mar 2020 | 13:20 | 13:20 | Shared Aperture Dual S- And X-band Antenna for Nano-Satellite Applications | Exhibition Hall | Poster3-A11 | Poster Session 3: Multiband and wideband antennas | Antennas |
| Sewell, Phillip | 18 Mar 2020 | 13:20 | 13:20 | PML Effectiveness in the Transmission Line Modelling Method for Radiation and Scattering Applications | Exhibition Hall | Poster2-E03 | Poster Session 2: Computational and numerical techniques | Electromagnetics |
| Sewell, Phillip | 19 Mar 2020 | 13:20 | 13:20 | Green Coordinates for Generation of Conformal Antenna Geometries | Exhibition Hall | Poster3-A06 | Poster Session 3: Conformal antennas | Antennas |
| Sewell, Phillip | 19 Mar 2020 | 13:20 | 13:20 | Impact of Lightning Diverter Strips on Antenna Radiation Patterns | Exhibition Hall | Poster3-M07 | Poster Session 3: Satellite and aerospace antenna characterisation | Measurements |
| Sewell, Phillip | 20 Mar 2020 | 11:40 | 12:00 | Time-Domain Modelling of Solid State RF Receiver Protection Systems | B9 | T10-P02 | Propagation modelling and simulation | T10 EM modelling and simulation tools / Regular Session / Propagation |
| Sewraj, Keshav | 17 Mar 2020 | 11:00 | 11:20 | Directional Method to Compute Reduced Matrix System in MBF Solvers | B11 | T10-E03/1 | Computational and numerical techniques 1 | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Seyfert, Fabien | 20 Mar 2020 | 11:20 | 11:40 | Optimal Bounds and Matching Networks of Fixed Degree and for Frequency Varying Impedances | B10 | CS11 | Antenna Design and Fundamental Bounds with External Constraints | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Shah, Syed Muhammad Qasim Ali | 19 Mar 2020 | 13:20 | 13:20 | A Highly Efficient Multifunctional Metasurface for C- And X-Band Applications | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Shahzad, Atif | 18 Mar 2020 | 11:40 | 12:00 | Microwave Calcaneus Phantom for Bone Imaging Applications | B6 | SW03 | COST Session CA17115 (MyWAVE): Supporting Medical Device Development via Dielectric and Thermal Tissue Characterization | T05 Biomedical and health / Convened Session / Measurements |
| Shaker, George | 18 Mar 2020 | 13:20 | 13:20 | Compact Honey-Cell CSRR-based Microwave Biosensor for Monitoring Glucose Levels | Exhibition Hall | Poster2-P10 | Poster Session 2: Propagation in biological tissues and body-area propagation | Propagation |
| Shaker, George | 19 Mar 2020 | 12:00 | 12:20 | Multiple-Pole CSRR-based Microwave Sensor for Glucose Levels Detection | B6 | T05-A12/2 | Point of Care Microwave Sensors | T05 Biomedical and health / Regular Session / Antennas |
| Shaker, Jafar | 18 Mar 2020 | 13:20 | 13:20 | Electronic Beam Scanning Leaky-Wave Antenna Based on Delta Shape Half-Mode Substrate Integrated Waveguide | Exhibition Hall | Poster2-A10 | Poster Session 2: Slotted-waveguide and leaky-wave antennas | Antennas |
| Shaker, Jafar | 19 Mar 2020 | 17:20 | 17:40 | Reducing Side-Lobe Level of Surface Mounted Printed Leaky-Wave Antenna | B2 | T02-A10 | Leaky-wave and Traveling-wave Antennas | T02 Millimetre wave 5G / Regular Session / Antennas |
| Shamim, Atif | 16 Mar 2020 | 17:20 | 17:40 | 3D Antenna-on-Package for Near-Isotropic Radiation Shielded from Embedded Electronics | B2 | T04-A08 | IoT antennas | T04 IoT and M2M / Regular Session / Antennas |
| Shamim, Atif | 17 Mar 2020 | 13:20 | 13:20 | On-Chip Micromachined Dielectric Resonator Antennas Loaded with Parasitic Circular/Crescent Patch for mm-Wave Applications | Exhibition Hall | Poster1-A07 | Poster Session 1: Dielectric resonator antennas | Antennas |

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|----------------------|-------------|-------|-------|---|------------------|------------------------|---|--|
| Shamim, Atif | 20 Mar 2020 | 08:30 | 08:50 | Bandwidth Enhanced Flexible UAV Antenna with 360 Azimuth Coverage for Air to Ground Communication | B7 | T06-A11 | Aircraft antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Shamsafar, Alireza | 18 Mar 2020 | 13:20 | 13:20 | Magneto-Electric Dipole Antenna for 5-G Applications | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Shao, Wei | 19 Mar 2020 | 17:20 | 17:40 | Implementation Methods for Planar Wide-Angle Scanning Phased Array | A3 | CS49 | Novel Techniques for Beam Manipulation at Millimeter | T02 Millimetre wave 5G / Convened Session / Antennas |
| Shao, Yu | 16 Mar 2020 | 17:20 | 17:40 | Low-profile Millimeter-Wave Wideband Circularly Polarized Spiral Antenna Array | A2 | T02-A04/1 | Millimetre wave arrays for mobile communications | T02 Millimetre wave 5G / Regular Session / Antennas |
| Shao, Yu | 17 Mar 2020 | 17:40 | 18:00 | Measurement Based Millimeter Wave Massive MIMO Channel Parameter Comparison | B10 | T11-P02/1 | Channel Modelling for Massive MIMO and Near-Field Communication Systems | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Sharaiha, Ala | 18 Mar 2020 | 11:20 | 11:40 | Systematic Approach to Design a Circularly Polarized Antenna Using the Characteristic Modes Theory | B1 | CS45 | New Perspectives and Applications of Characteristic Mode Analysis in Antenna Design | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Sharaiha, Ala | 20 Mar 2020 | 08:50 | 09:10 | A Technique for Including Edge Diffraction Effects on RCS Evaluation at Fresnel Region Ranges | B4 | T11-E06 | Scattering and diffraction | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Sharawi, Mohammad S. | 16 Mar 2020 | 16:20 | 16:40 | A Wide-band Slot-based Frequency Agile Yagi-Like MIMO Antenna System | B6 | T05-A12/1 | Wearable and implantable antennas | T05 Biomedical and health / Regular Session / Antennas |
| Sharawi, Mohammad S. | 16 Mar 2020 | 16:00 | 16:20 | A Copper Strip Array Loaded Multiband Square Slot Antenna | B4 | T07-A17 | Multiband, wideband and array antennas | T07 Defence and security / Regular Session / Antennas |
| Sharawi, Mohammad S. | 17 Mar 2020 | 11:20 | 11:40 | A Millimeter-Wave Dual Band Antenna with Circular Polarization | A2 | T02-A04/2 | Millimetre wave arrays for mobile terminals | T02 Millimetre wave 5G / Regular Session / Antennas |
| Sharawi, Mohammad S. | 19 Mar 2020 | 13:20 | 13:20 | A Novel Frequency Reconfigurable Yagi-Like MIMO Antenna System | Exhibition Hall | Poster3-A13 | Poster Session 3: Adaptive and reconfigurable antennas | Antennas |
| Sharawi, Mohammad S. | 19 Mar 2020 | 13:20 | 13:20 | A Compact Pattern Reconfigurable Antenna for UHF Internet of Things Applications | Exhibition Hall | Poster3-A13 | Poster Session 3: Adaptive and reconfigurable antennas | Antennas |
| Sharawi, Mohammad S. | 19 Mar 2020 | 17:40 | 18:00 | Multi-Beam Radiation Properties of Higher-Order Space Harmonics-Enabled Leaky-Wave Antenna | B2 | T02-A10 | Leaky-wave and Traveling-wave Antennas | T02 Millimetre wave 5G / Regular Session / Antennas |
| Shariati, Negin | 19 Mar 2020 | 13:20 | 13:20 | Ultra Wideband Dual Polarization Metamaterial Absorber for 5G Frequency Spectrum | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Sharma, Abhishek | 17 Mar 2020 | 17:40 | 18:00 | Towards Efficient EM Wave Manipulation Using a Discrete Dielectric Huygens' Metasurface | B4 | CS67 | Water-Based Microwave Devices | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Sharma, Shashwat | 17 Mar 2020 | 11:20 | 11:40 | An Efficient Parallelization Strategy for the Adaptive Integral Method Based on Graph Partitioning | B11 | T10-E03/1 | Computational and numerical techniques 1 | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Shastri, Anshuman | 20 Mar 2020 | 11:00 | 11:20 | Evaluation of Aerosol Jet Printing of Frequency Selective Surface on Glass for Building and RF Applications | B1 | CS33 | IET Session: New Antenna Systems Involving Application of Metamaterials and Metasurfaces | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Shaw, Tarakeswar | 17 Mar 2020 | 17:00 | 17:20 | Wireless Power Transfer System Design in Reactive Near-Field for Implantable Devices | A2 | T04-A20 | Wireless power transfer and inductive coupling | T04 IoT and M2M / Regular Session / Antennas |
| Sheel, Soumya | 20 Mar 2020 | 08:50 | 09:10 | Amended Design of Travelling-Wave Slot Arrays | B7 | T06-A11 | Aircraft antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Shen, Jia Lin | 19 Mar 2020 | 13:20 | 13:20 | Dynamic Metasurfaces Based Aperture for Estimating the Directions of Arrival (DOA) | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Shen, Long | 17 Mar 2020 | 13:20 | 13:20 | Theory, Design and Validation of a Tunable, Injection-Matched, 2-Port Antenna | A2 (Poster Area) | Convened Poster 1-CS17 | Antennas with Multi-Port/Distributed Feeding and On-Antenna Power-Combining for Efficient Integration and Reconfigurability | T02 Millimetre wave 5G / Convened Session / Antennas |
| Shen, Long | 17 Mar 2020 | 13:20 | 13:20 | Circuit-antenna Interactions in Multi-port Active Antennas | A2 (Poster Area) | Convened Poster 1-CS17 | Antennas with Multi-Port/Distributed Feeding and On-Antenna Power-Combining for Efficient Integration and Reconfigurability | T02 Millimetre wave 5G / Convened Session / Antennas |
| Shen, Ming | 17 Mar 2020 | 11:00 | 11:20 | A Beam-Steerable Antenna Array with Radiation Beam Reconfigurability for 5G Smartphones | A2 | T02-A04/2 | Millimetre wave arrays for mobile terminals | T02 Millimetre wave 5G / Regular Session / Antennas |
| Shen, Penghui | 19 Mar 2020 | 13:20 | 13:20 | Recent Developments in Radiated Two-Stage MIMO OTA Test Method | Exhibition Hall | Poster3-M09 | Poster Session 3: MIMO and OTA testing | Measurements |
| Shen, Zhongxiang | 20 Mar 2020 | 08:30 | 08:50 | On the Design of Multiband Antenna Employing AFSR Structure as Ground Plane for Low Out-of-Band RCS | B8 | CS59 | Reconfigurable Reflectarray and Transmitarrays | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Shi, Hongyu | 20 Mar 2020 | 09:10 | 09:30 | Evaluation of the Purity of OAM Modes Using the Reverberation Chamber Technique | B5 | T11-M05 | EMI/EMC/PIM chambers, instrumentation, and measurements | T11 Fundamental research and emerging technologies / Regular Session / Measurements |
| Shi, Qiangqiang | 16 Mar 2020 | 14:30 | 14:50 | A Frequency-Controlled Fast Beam-Scanning Antenna with Glide-Symmetric Feeding | B1 | SW04 | COST Session CA18223 (SyMat): Periodic Structures with Higher Symmetries | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Shin, Geonyeong | 17 Mar 2020 | 09:30 | 09:50 | Deionized Water Based Insulator Loaded UWB Implanted Antenna for Gain Improvement | B1 | CS38 | ISAP Session: Recent Advances in Asian Antennas and Propagation Research | T02 Millimetre wave 5G / Convened Session / Antennas |
| Shinohara, Naoki | 16 Mar 2020 | 16:00 | 16:20 | Wireless Power Transfer in Japan: Regulations and Activities | B9 | CS43 | Near- and Far-Field Wireless Power Transfer | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Shirichian, Mehdi | 19 Mar 2020 | 13:20 | 13:20 | A Sectoral Conformal Array Antenna with an Improved Circular Polarized Patch for UHF Radiosonde Receivers | Exhibition Hall | Poster3-A13 | Poster Session 3: Adaptive and reconfigurable antennas | Antennas |
| Shoab, Noshewan | 19 Mar 2020 | 13:20 | 13:20 | A Highly Efficient Multifunctional Metasurface for C- And X-Band Applications | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |

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| Shoji, Hideaki | 18 Mar 2020 | 08:30 | 08:50 | Transparent Glass Antenna for 28 GHz and Its Signal Reception Characteristics in Urban Environment | B7 | T06-A17 | Automotive antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Shruthi, Karunakaran | 18 Mar 2020 | 12:00 | 12:20 | Microwave Imaging Profilometry for Plasma Diagnostics | B9 | CS66 | Unconventional Techniques and Applications for Inverse Scattering Problems | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Shu, Chao | 16 Mar 2020 | 14:50 | 15:10 | Element Mutual Coupling Effect in a Wideband Planar Aperiodic Sparse Phased Array | B5 | T08-A17 | Antennas and techniques for positioning and direction finding | T08 Positioning, localization & tracking / Regular Session / Antennas |
| Shui, Tianyun | 20 Mar 2020 | 09:50 | 10:10 | Implementation and Evaluation of Ray-Tracing Acceleration Methods in Wireless Communication | B9 | T10-P02 | Propagation modelling and simulation | T10 EM modelling and simulation tools / Regular Session / Propagation |
| Shukurov, Seymour | 18 Mar 2020 | 13:20 | 13:20 | Novel Dichroic Subreflector Design for Cassegrain Antennas | Exhibition Hall | Poster2-E07 | Poster Session 2: Frequency and polarization selective surfaces | Electromagnetics |
| Shwaykani, Hassan | 19 Mar 2020 | 08:50 | 09:10 | An NRW Extension for Dielectric Characterization of Arbitrary Length Low-Loss Materials | B6 | T05-A12/2 | Point of Care Microwave Sensors | T05 Biomedical and health / Regular Session / Antennas |
| Siakavara, Katherine | 18 Mar 2020 | 13:20 | 13:20 | Multiband Patch Antenna Design for RF Energy Harvesting Applications Using Coyote Optimization Algorithm | A2 (Poster Area) | Convened Poster 2-CS61 | Signal Processing Techniques for Advanced Electromagnetics Synthesis, Analysis, and Measurements | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Sibille, Alain | 20 Mar 2020 | 12:00 | 12:20 | Smart Dipole Arrays for Radio Channel Enhancement | B11 | CS20 | Assessment and Modeling of Antennas and Radio Channels Jointly | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Siddiqui, Jawad Y | 17 Mar 2020 | 17:20 | 17:40 | WBAN Channel Modeling on Electromagnetic Interaction in Biological Tissues for Estimating Path Loss Characteristics | B10 | T11-P02/1 | Channel Modelling for Massive MIMO and Near-Field Communication Systems | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Siddiqui, Tauseef Ahmad | 19 Mar 2020 | 13:20 | 13:20 | Concept of Beam Steerable Transponder Based on Load Modulation | Exhibition Hall | Poster3-A15 | Poster Session 3: RFID antennas/sensors and systems | Antennas |
| Siddiqui, Zeeshan | 16 Mar 2020 | 16:20 | 16:40 | Dual-band Dual-polarized Antenna for mm-Wave 5G Base Station Antenna Array | A2 | T02-A04/1 | Millimetre wave arrays for mobile communications | T02 Millimetre wave 5G / Regular Session / Antennas |
| Siddiqui, Zeeshan | 17 Mar 2020 | 12:00 | 12:20 | Wideband Dual-Polarized Patch Antenna with Capacitive Coupling for mm-Wave Bands | A2 | T02-A04/2 | Millimetre wave arrays for mobile terminals | T02 Millimetre wave 5G / Regular Session / Antennas |
| Sierra-Castañer, Manuel | 16 Mar 2020 | 13:30 | 13:50 | Recent Developments in Automotive Antenna Measurements | B7 | CS05 | AMTA Session: Automotive Antenna Measurements and Testing | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Convened Session / Measurements |
| Sierra-Castañer, Manuel | 16 Mar 2020 | 17:00 | 17:20 | Relative Phase Reconstruction Based on Multiprobe Solutions and Post-Processing Techniques | B7 | T06-M03 | Near-field, far-field, compact and RCS range measurement techniques | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Measurements |
| Sierra-Castañer, Manuel | 19 Mar 2020 | 08:30 | 08:50 | Near-Field to Far-Field Transformation for Fast Linear Slide Measurements | B10 | CS07 | AMTA/EurAAP Session: Post Processing Techniques in Antenna Measurements | T11 Fundamental research and emerging technologies / Convened Session / Measurements |
| Sierra-Castañer, Manuel | 19 Mar 2020 | 13:20 | 13:20 | L/S & C Band Medium Gain Ridge Horn Intercomparison Campaign Results | Exhibition Hall | Poster3-M10 | Poster Session 3: General antenna measurements | Measurements |
| Sierra-Pérez, Manuel | 17 Mar 2020 | 13:20 | 13:20 | Circularly and Linearly Polarized Planar Reconfigurable Active Array Antennas in Ka Band | A2 (Poster Area) | Convened Poster 1-CS10 | Antenna Array and Integrated Systems for 5G Communication Applications | T02 Millimetre wave 5G / Convened Session / Antennas |
| Siguier, Gregory | 18 Mar 2020 | 11:20 | 11:40 | Harness Connection and Immediate Environment Impact on RF Automotive Receivers Antenna BW | B7 | T06-A17 | Automotive antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Sihvola, Ari | 16 Mar 2020 | 14:10 | 14:30 | Matched Waves at Metaboundaries | B10 | CS24 | Controlling EM Waves with Low- and High-Dimensional Metamaterials | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Sihvola, Ari | 17 Mar 2020 | 09:30 | 09:50 | After Ørsted's Discovery: Johan Jacob Nervander and the Quantification of Electric Current | B11 | BC/1 | History of Electromagnetism 1 | T13 Bicentennial Session / Electromagnetics |
| Silbiger, Ohad | 19 Mar 2020 | 09:50 | 10:10 | Recent Advances in Magnet-less Non-reciprocal Leaky Wave Antennas | B2 | CS46 | New Trends in Leaky Wave Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Siles, Gustavo | 17 Mar 2020 | 09:30 | 09:50 | Heights of the 0°C Isotherm and the Bright Band in Madrid: Comparison and Variability | B8 | T09-P08 | Satellite propagation | T09 Space (incl. cubesat) / Regular Session / Propagation |
| Siles, Gustavo | 17 Mar 2020 | 13:20 | 13:20 | Cloud Detection Models and Their Effect on the Calculation of Cloud Attenuation: Assessment at Ka- And Q-band at 4065 Meters of Altitude | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Silva, Elson | 17 Mar 2020 | 13:20 | 13:20 | Multiple Screen Diffraction Analysis Using the Parabolic Equation Technique | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Silva, Jefferson Costa | 18 Mar 2020 | 13:20 | 13:20 | Dual-Band Band-Pass Frequency Selective Surface Based on the Matryoshka Geometry with Angular Stability and Polarization Independence | Exhibition Hall | Poster2-E07 | Poster Session 2: Frequency and polarization selective surfaces | Electromagnetics |
| Silva, Nuno | 18 Mar 2020 | 11:00 | 11:20 | Extracting Dielectric Properties for MRI-based Phantoms for Axillary Microwave Imaging Device | B6 | SW03 | COST Session CA17115 (MyWAVE): Supporting Medical Device Development via Dielectric and Thermal Tissue Characterization | T05 Biomedical and health / Convened Session / Measurements |
| Silva, Nuno P. | 18 Mar 2020 | 08:30 | 08:50 | Thermal Properties of Ex Vivo Biological Tissue at Room and Body Temperature | B6 | SW03 | COST Session CA17115 (MyWAVE): Supporting Medical Device Development via Dielectric and Thermal Tissue Characterization | T05 Biomedical and health / Convened Session / Measurements |
| Silveirinha, Mario | 16 Mar 2020 | 16:00 | 16:20 | Graphene Plasmonics with a Drift-Current Bias | B10 | CS24 | Controlling EM Waves with Low- and High-Dimensional Metamaterials | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Silveirinha, Mario | 18 Mar 2020 | 11:40 | 12:00 | First Principles Calculation of Topological Invariants by Means of the Photonic Green's Function | B5 | CS47 | Non-Magnetic Nonreciprocity | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |

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| Sim, Chan Kuen | 19 Mar 2020 | 13:20 | 13:20 | Power Allocation Optimization of A Conformal Antenna Array for Satellite Applications | Exhibition Hall | Poster3-A06 | Poster Session 3: Conformal antennas | Antennas |
| Sima, Boyu | 18 Mar 2020 | 13:20 | 13:20 | Super-Resolution DOA Estimation Using Dynamic Metasurface Antenna | Exhibition Hall | Poster2-P12 | Poster Session 2: Radar, localisation, and sensing | Propagation |
| Simon da Rosa, Guilherme | 17 Mar 2020 | 18:00 | 18:20 | Perturbational Method for Modeling Electromagnetic Propagation Through Non-axisymmetric Geophysical Formations | B11 | T10-E03/2 | Computational and numerical techniques 2 | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Simon, Eric P. | 20 Mar 2020 | 11:40 | 12:00 | Massive Radio Channel Sounder Architecture for 5G Mobility Scenarios: MaMIMOSA | B11 | CS20 | Assessment and Modeling of Antennas and Radio Channels Jointly | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Simon, Jonas | 18 Mar 2020 | 13:20 | 13:20 | Experimental Results on Rain Detection at Ka-Band Based on Range-Doppler Signal Processing | Exhibition Hall | Poster2-P12 | Poster Session 2: Radar, localisation, and sensing | Propagation |
| Simon, Lionel | 16 Mar 2020 | 17:00 | 17:20 | Dual-band Polarizing Screen Based on Self-Supported Metallic Structures | B1 | SW04 | COST Session CA18223 (SyMat): Periodic Structures with Higher Symmetries | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Simon, Winfried | 17 Mar 2020 | 13:20 | 13:20 | Compact and Low Cost Linear Antenna Array for Millimeter Wave Automotive Radar Applications | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Simon, Winfried | 17 Mar 2020 | 13:20 | 13:20 | Compact and Modular Ka-Band Front-end Concept for SATCOM and 5G | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Simovski, Constantin | 17 Mar 2020 | 08:30 | 08:50 | Metasurface for Dense Dipole Array Decoupling in Ultra-High Field MRI | B9 | CS09 | Analytical and Numerical Methods for Metasurface Analysis and Design | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Simovski, Constantin | 17 Mar 2020 | 11:20 | 11:40 | An Artificial Shield for MRI Birdcage Coil with Constructive Interference | B9 | CS09 | Analytical and Numerical Methods for Metasurface Analysis and Design | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Simovski, Constantin | 17 Mar 2020 | 17:20 | 17:40 | Water-assisted Metasurface for Wireless Power Transfer | B4 | CS67 | Water-Based Microwave Devices | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Singh, Arjun | 17 Mar 2020 | 13:20 | 13:20 | Design and Operation of a Smart Graphene-Metal Hybrid Reflectarray at THz Frequencies | Exhibition Hall | Poster1-A19 | Poster Session 1: Reflect arrays and transmit arrays | Antennas |
| Singh, Harshavardhan | 18 Mar 2020 | 13:20 | 13:20 | Miniaturized On-Chip Meandered Loop Antenna with Improved Gain Using Partially Shield Layer | Exhibition Hall | Poster2-A08 | Poster Session 2: Electrically small antennas | Antennas |
| Singh, Rajesh K | 19 Mar 2020 | 13:20 | 13:20 | Modified Yagi-Uda Reader Antenna for UHF RFID Smart-Glove | Exhibition Hall | Poster3-A15 | Poster Session 3: RFID antennas/sensors and systems | Antennas |
| Singh, Tushar | 20 Mar 2020 | 09:10 | 09:30 | Homogenization of Voxel Models Using Material Mixing Formulas | B6 | SW06 | H2020 Session ID764479 (EMERALD): Electromagnetic Imaging for a Novel Generation of Medical Devices | T05 Biomedical and health / Convened Session / Electromagnetics |
| Singhal, Sarthak | 19 Mar 2020 | 13:20 | 13:20 | Clown Shaped Super Wideband Antenna | Exhibition Hall | Poster3-A16 | Poster Session 3: UWB antennas and time-domain techniques | Antennas |
| Sippel, Mark | 19 Mar 2020 | 13:20 | 13:20 | 3D Printed Helix Antenna for 77 GHz | Exhibition Hall | Poster3-A21 | Poster Session 3: Additive manufacturing | Antennas |
| Sipus, Zvonimir | 16 Mar 2020 | 17:40 | 18:00 | Analysis of Glide-Symmetric Dielectric Corrugated Structures - Properties of TE and TM Propagating Modes | B1 | SW04 | COST Session CA18223 (SyMat): Periodic Structures with Higher Symmetries | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Sipus, Zvonimir | 17 Mar 2020 | 10:40 | 11:00 | Analysis of Curved Metasurfaces Based on Method of Moments | B9 | CS09 | Analytical and Numerical Methods for Metasurface Analysis and Design | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Sipus, Zvonimir | 17 Mar 2020 | 09:50 | 10:10 | Design Concerns for In-body Antennas Based on Frequency Analysis of Fundamental Radiation Limitations | B2 | CS16 | Antennas in IoT Wireless Devices: Modelling and Industrial Considerations | T04 IoT and M2M / Convened Session / Antennas |
| Sipus, Zvonimir | 17 Mar 2020 | 13:20 | 13:20 | Analysis of Safe Ultrawideband Human-Robot Communication in Automated Collaborative Warehouse | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Sipus, Zvonimir | 18 Mar 2020 | 11:20 | 11:40 | Antenna for a Cranial Implant: Simulation Issues and Design Strategies | B2 | CS62 | Small Antenna in a Human Body Environment | T04 IoT and M2M / Convened Session / Antennas |
| Sipus, Zvonimir | 18 Mar 2020 | 13:20 | 13:20 | Optimal Frequency of Operation and Radiation Efficiency Limitations of Implantable Antennas | A2 (Poster Area) | Convened Poster 2-CS14 | Antennas for Harsh Environment | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Sjöberg, Daniel | 18 Mar 2020 | 09:30 | 09:50 | Teaching Radar Systems: Wave Propagation, Scattering, Antennas, and Electronics | B4 | CS26 | Education in Electromagnetics, Antennas, and Microwaves | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Sjöberg, Daniel | 19 Mar 2020 | 11:20 | 11:40 | Analytical Modeling and Multiphysics Simulation of Acousto-Electromagnetic Interaction | B11 | T11-E01 | EM Theory | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Skobelev, Sergei P. | 20 Mar 2020 | 11:00 | 11:20 | Electromagnetic Scattering by an Inhomogeneous Body of Revolution: a General Approach Based on the Hybrid Projection Method | B4 | T11-E06 | Scattering and diffraction | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Skobelev, Sergei P. | 20 Mar 2020 | 11:20 | 11:40 | Performance of Absorbing Periodic Structures of Cylindrical Black Holes Arranged on a Perfectly Conducting Screen | B4 | T11-E06 | Scattering and diffraction | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Skoblikov, Sergii | 20 Mar 2020 | 08:50 | 09:10 | Characterization of the Propagation Channel in Conference Room Scenario at 190 GHz | A3 | CS37 | IRACON Spectrum Sharing: Challenges and Opportunities for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Skrivervik, Anja K. | 16 Mar 2020 | 16:40 | 17:00 | Subarray Antenna Fed by Analog Beamforming Network for 5G Picocell Applications | A2 | T02-A04/1 | Millimetre wave arrays for mobile communications | T02 Millimetre wave 5G / Regular Session / Antennas |
| Skrivervik, Anja K. | 17 Mar 2020 | 09:50 | 10:10 | Design Concerns for In-body Antennas Based on Frequency Analysis of Fundamental Radiation Limitations | B2 | CS16 | Antennas in IoT Wireless Devices: Modelling and Industrial Considerations | T04 IoT and M2M / Convened Session / Antennas |
| Skrivervik, Anja K. | 17 Mar 2020 | 13:20 | 13:20 | Circularly Polarized Axially Corrugated Feed Horn for CubeSat Reflectarray Applications | Exhibition Hall | Poster1-A18 | Poster Session 1: Reflector, feed systems, and components | Antennas |
| Skrivervik, Anja K. | 18 Mar 2020 | 11:20 | 11:40 | Antenna for a Cranial Implant: Simulation Issues and Design Strategies | B2 | CS62 | Small Antenna in a Human Body Environment | T04 IoT and M2M / Convened Session / Antennas |

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| Skrivervik, Anja K. | 18 Mar 2020 | 13:20 | 13:20 | Optimal Frequency of Operation and Radiation Efficiency Limitations of Implantable Antennas | A2 (Poster Area) | Convened Poster 2-CS14 | Antennas for Harsh Environment | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Skrivervik, Anja K. | 19 Mar 2020 | 13:20 | 13:20 | Rapid Analysis of Arbitrary-Shaped Conformal Beam-Scanning Arrays | Exhibition Hall | Poster3-A06 | Poster Session 3: Conformal antennas | Antennas |
| Skuridin, Andrey Andreevich | 19 Mar 2020 | 17:40 | 18:00 | Computer Simulations of Multiband Waveguide Filter on Modulated Metasurface | B4 | CS63 | State of the Art in Antenna Research in Russia | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Smart, Ken | 17 Mar 2020 | 13:20 | 13:20 | Waveguide Switch Based on Ferrite Circulator for Antenna Beam Steering Applications | Exhibition Hall | Poster1-A09 | Poster Session 1: Lens antennas | Antennas |
| Smartt, Chris | 18 Mar 2020 | 13:20 | 13:20 | PML Effectiveness in the Transmission Line Modelling Method for Radiation and Scattering Applications | Exhibition Hall | Poster2-E03 | Poster Session 2: Computational and numerical techniques | Electromagnetics |
| Smierzchalski, Maciej | 20 Mar 2020 | 11:00 | 11:20 | P-i-n Diode Based Electronically Steerable Transmitarrays for SOTM at Ka-band | B8 | CS59 | Reconfigurable Reflectarray and Transmitarrays | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Smith, Joshua R. | 16 Mar 2020 | 16:20 | 16:40 | Applique: A Computationally Efficient Modeling Tool for Multi-Layer Printed Inductors, for near Field Wireless Power Transfer Applications | B9 | CS43 | Near- and Far-Field Wireless Power Transfer | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Smith, Stephanie | 17 Mar 2020 | 13:20 | 13:20 | Waveguide Switch Based on Ferrite Circulator for Antenna Beam Steering Applications | Exhibition Hall | Poster1-A09 | Poster Session 1: Lens antennas | Antennas |
| Smolders, A. B. (Bart) | 17 Mar 2020 | 13:20 | 13:20 | Outspacing Phased Arrays for Mm-Wave 5G Base Stations | A2 (Poster Area) | Convened Poster 1-CS17 | Antennas with Multi-Port/Distributed Feeding and On-Antenna Power-Combining for Efficient Integration and Reconfigurability | T02 Millimetre wave 5G / Convened Session / Antennas |
| Smolders, A. B. (Bart) | 17 Mar 2020 | 13:20 | 13:20 | 64 Element Active Phased Array as Focal Plane Array Feed for Reflector Antennas for mm-Wave Wireless Communications | Exhibition Hall | Poster1-A18 | Poster Session 1: Reflector, feed systems, and components | Antennas |
| Smolders, A. B. (Bart) | 17 Mar 2020 | 17:40 | 18:00 | Parallel Plate Waveguide Simulator of a Dense Connected Dipole Array | B8 | CS15 | Antennas for Radio Astronomy | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Smolders, A. B. (Bart) | 18 Mar 2020 | 13:20 | 13:20 | 5G Millimeter-Wave NLOS Coverage Using Specular Building Reflections | Exhibition Hall | Poster2-P05 | Poster Session 2: Mm-wave and UWB propagation | Propagation |
| Smolders, A. B. (Bart) | 19 Mar 2020 | 13:20 | 13:20 | Design and Evaluation of a Radio-Interferometry Antenna for the REXUS 25 Sounding Rocket | Exhibition Hall | Poster3-A06 | Poster Session 3: Conformal antennas | Antennas |
| Smolders, A. B. (Bart) | 19 Mar 2020 | 13:20 | 13:20 | Post-Manufacturing Calibration Procedure for Medium-Sized Silicon-Based Active Phased Arrays for mm-Wave Wireless Communications | Exhibition Hall | Poster3-A14 | Poster Session 3: Active and integrated antennas | Antennas |
| Smolders, A. B. (Bart) | 20 Mar 2020 | 12:00 | 12:20 | High-Gain Flat-Top Antenna Sub-Arrays for Planar Arrays with Limited Field of View | A2 | T01-A22 | MIMO, diversity, smart antennas & signal processing | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Smolnikova, Olga | 20 Mar 2020 | 11:20 | 11:40 | Performance of Absorbing Periodic Structures of Cylindrical Black Holes Arranged on a Perfectly Conducting Screen | B4 | T11-E06 | Scattering and diffraction | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Smulders, Peter | 17 Mar 2020 | 13:20 | 13:20 | Outspacing Phased Arrays for Mm-Wave 5G Base Stations | A2 (Poster Area) | Convened Poster 1-CS17 | Antennas with Multi-Port/Distributed Feeding and On-Antenna Power-Combining for Efficient Integration and Reconfigurability | T02 Millimetre wave 5G / Convened Session / Antennas |
| Smy, Tom | 18 Mar 2020 | 13:20 | 13:20 | General Formulation of the Boundary Element Method (BEM) for Curvilinear Metasurfaces in the Presence of Multiple Scattering Objects | Exhibition Hall | Poster2-E03 | Poster Session 2: Computational and numerical techniques | Electromagnetics |
| Smy, Tom | 20 Mar 2020 | 11:40 | 12:00 | Metasurface Modeling of Periodic Diffraction Gratings Based on Generalized Sheet Transition Conditions (GSTCs) | B4 | T11-E06 | Scattering and diffraction | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Smyth, Braden P. | 19 Mar 2020 | 17:40 | 18:00 | Embedded MTM-EBGs in Patch Antenna for Simultaneously Dual-Band and Dual-Polarized Operation | B1 | T03-A11 | Antennas for WLAN Applications | T03 Wireless LANs / Regular Session / Antennas |
| Sø, Rune | 18 Mar 2020 | 13:20 | 13:20 | Procedure for Simulating the Direct Path Loss Between Body-Worn Antennas | Exhibition Hall | Poster2-P10 | Poster Session 2: Propagation in biological tissues and body-area propagation | Propagation |
| Soh, Ping Jack | 17 Mar 2020 | 08:50 | 09:10 | Design of a Quad Band CPW - Fed Compact Flexible Patch Antenna for Wearable Applications | B2 | CS16 | Antennas in IoT Wireless Devices: Modelling and Industrial Considerations | T04 IoT and M2M / Convened Session / Antennas |
| Soh, Ping Jack | 18 Mar 2020 | 08:50 | 09:10 | Design and Optimization of a Flexible CPW-Fed Slotted Planar Monopole for WLAN/WBAN and 5G | B2 | CS62 | Small Antenna in a Human Body Environment | T04 IoT and M2M / Convened Session / Antennas |
| Sol, Jérôme | 17 Mar 2020 | 08:30 | 08:50 | Radar Cross Section Measurement Within Reverberation Chamber: Stirrer Position Issues | B4 | T11-M02 | Radar scattering measurement and calibration techniques | T11 Fundamental research and emerging technologies / Regular Session / Measurements |
| Sol, Jérôme | 19 Mar 2020 | 13:20 | 13:20 | Comparison of Antenna Radiation Efficiency Measurement Techniques in Reverberation Chamber Using or Not a Reference Antenna | Exhibition Hall | Poster3-M10 | Poster Session 3: General antenna measurements | Measurements |
| Soldovieri, Francesco | 19 Mar 2020 | 09:10 | 09:30 | Micro-UAV Radar Imaging via DGPS and Microwave Tomography | B7 | T06-P09 | Propagation for Unmanned Aerial Vehicles (UAVs) | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Propagation |
| Soler, Jose | 16 Mar 2020 | 13:50 | 14:10 | Emulation of End-To-End Communications Systems in Railway Scenarios: Physical Layer Results | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Soliman, Ezzeldin | 17 Mar 2020 | 13:20 | 13:20 | On-Chip Micromachined Dielectric Resonator Antennas Loaded with Parasitic Circular/Crescent Patch for mm-Wave Applications | Exhibition Hall | Poster1-A07 | Poster Session 1: Dielectric resonator antennas | Antennas |

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| Soilman, Ezzeldin | 18 Mar 2020 | 13:20 | 13:20 | Integral Equation Formulation for Planar Plasmonic Nano Structures in Layered Media | Exhibition Hall | Poster2-E03 | Poster Session 2: Computational and numerical techniques | Electromagnetics |
| Solimene, Raffaele | 18 Mar 2020 | 11:00 | 11:20 | Warping Method for Probe Location in near/far Field Transformation | B9 | CS66 | Unconventional Techniques and Applications for Inverse Scattering Problems | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Soils, Diego M | 19 Mar 2020 | 09:50 | 10:10 | Toward Extremely Scalable IE-DDM for Distributed Computing | B8 | CS30 | Fundamental Challenges and Novel Methodologies in the Next-Generation Computational Electromagnetics | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Solomitckii, Dmitrii | 19 Mar 2020 | 17:40 | 18:00 | Millimeter-Wave Automotive Radar Scheme with Passive Reflector for Blind Corner Conditions | B7 | T06-P12 | Radar, localisation and sensing for aircraft and automotive applications | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Propagation |
| Solomko, Valentyn | 17 Mar 2020 | 11:40 | 12:00 | Performance Investigation of a Handset Antenna Using a C-tuner for Aperture Tuning | B2 | CS16 | Antennas in IoT Wireless Devices: Modelling and Industrial Considerations | T04 IoT and M2M / Convened Session / Antennas |
| Soltani, Shaghayegh | 18 Mar 2020 | 13:20 | 13:20 | Mechanically Influenced Antennas for Strain Sensing Applications Using Multiphysics Modelling | Exhibition Hall | Poster2-A02 | Poster Session 2: Antenna interactions and coupling | Antennas |
| Sonck, Bart | 20 Mar 2020 | 09:30 | 09:50 | Joint Antenna-Channel Modelling for in-to-out-Body Propagation of Dairy Cows at 868 MHz | B11 | CS20 | Assessment and Modeling of Antennas and Radio Channels Jointly | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Song, Chaoyun | 16 Mar 2020 | 17:00 | 17:20 | A Novel Duplexing Antenna for Feedback Wireless Power Transfer | B9 | CS43 | Near- and Far-Field Wireless Power Transfer | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Song, Chaoyun | 17 Mar 2020 | 09:30 | 09:50 | A Dual-Polarized 5G Base Station Antenna Using Machine-Learning Based Optimization Method | B10 | CS39 | Machine Learning in Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Song, Chaoyun | 19 Mar 2020 | 13:20 | 13:20 | A Dual-Element Folded Strip Monopole with SRR Loading for Multiband Handset MIMO Applications | Exhibition Hall | Poster3-A11 | Poster Session 3: Multiband and wideband antennas | Antennas |
| Song, Chaoyun | 19 Mar 2020 | 13:20 | 13:20 | A Dual-Port, Dual-Polarized and Wideband Slot Rectenna for Ambient RF Energy Harvesting | Exhibition Hall | Poster3-A20 | Poster Session 3: Antennas for wireless power transmission and harvesting | Antennas |
| Song, Kaixin | 16 Mar 2020 | 14:50 | 15:10 | Cold Sintered CaTiO ₃ -K ₂ MoO ₄ Microwave Dielectric Ceramics for Integrated Microstrip Patch Antennas | B11 | T11-E08 | Metamaterials, metasurfaces and advanced materials | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Song, Lizhao | 17 Mar 2020 | 13:20 | 13:20 | Ultrawideband Transmitarray Employing Connected Slot-Bowtie Dipole Elements | Exhibition Hall | Poster1-A19 | Poster Session 1: Reflect arrays and transmit arrays | Antennas |
| Song, Mingzhao | 17 Mar 2020 | 17:20 | 17:40 | Water-assisted Metasurface for Wireless Power Transfer | B4 | CS67 | Water-Based Microwave Devices | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Song, Minyoung | 16 Mar 2020 | 13:50 | 14:10 | Multilayer Ultra-Miniature Loop Antenna for Insertable Pill Application | B6 | T05-A12/1 | Wearable and implantable antennas | T05 Biomedical and health / Regular Session / Antennas |
| Song, Yuchan | 19 Mar 2020 | 13:20 | 13:20 | Conformal 2.4 GHz Antenna with Room Temperature Vulcanized (RTV) Silicone Rubber Substrate | Exhibition Hall | Poster3-A06 | Poster Session 3: Conformal antennas | Antennas |
| Sonkki, Marko | 16 Mar 2020 | 16:20 | 16:40 | Dual-band Dual-polarized Antenna for mm-Wave 5G Base Station Antenna Array | A2 | T02-A04/1 | Millimetre wave arrays for mobile communications | T02 Millimetre wave 5G / Regular Session / Antennas |
| Sonkki, Marko | 17 Mar 2020 | 12:00 | 12:20 | Wideband Dual-Polarized Patch Antenna with Capacitive Coupling for mm-Wave Bands | A2 | T02-A04/2 | Millimetre wave arrays for mobile terminals | T02 Millimetre wave 5G / Regular Session / Antennas |
| Sonkki, Marko | 20 Mar 2020 | 09:10 | 09:30 | The Influence of Self-User Shadowing in the Intra-Metro Communication Scenario at 28 GHz | B11 | CS20 | Assessment and Modeling of Antennas and Radio Channels Jointly | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Sorbello, Gino | 17 Mar 2020 | 13:20 | 13:20 | Antenna Design for RF Ion Heating of Anisotropic Magnetized Plasma | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Sorbello, Gino | 18 Mar 2020 | 12:00 | 12:20 | Microwave Imaging Profilometry for Plasma Diagnostics | B9 | CS66 | Unconventional Techniques and Applications for Inverse Scattering Problems | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Sorbello, Gino | 18 Mar 2020 | 13:20 | 13:20 | Electronically-Tunable Scanning Antennas by Using Slotted Rectangular Waveguides Loaded by Reconfigurable Surface Susceptances | Exhibition Hall | Poster2-A10 | Poster Session 2: Slotted-waveguide and leaky-wave antennas | Antennas |
| Sorbello, Gino | 19 Mar 2020 | 11:00 | 11:20 | Field Focusing for Nanophotonic Engineering and Applications | B4 | CS44 | Near-Field Focusing and Pulse Generation Through Localized Waves | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Sørensen, Stig | 18 Mar 2020 | 08:30 | 08:50 | Multifocus Reflectarray Concept: Preliminary Design and Possible Applications | A2 | T09-A19 | Reflect arrays and transmit arrays | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Sørensen, Stig | 18 Mar 2020 | 08:50 | 09:10 | Design of Ka-band Reflectarray Antennas for High Resolution SAR Instrument | A2 | T09-A19 | Reflect arrays and transmit arrays | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Sørensen, Stig | 18 Mar 2020 | 14:50 | 15:30 | Computational Electromagnetics in Space | A3 | IS-Wed 2/1 | Invited Speaker Session | Electromagnetics |
| Sørensen, Stig | 19 Mar 2020 | 17:00 | 17:20 | Design of Advanced Reflectarrays for Future CubeSat Applications | B11 | SW05 | ESA Session: Selected Papers from the 40th ESA Workshop on Antenna Developments for Terrestrial and Small-Space Platforms | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Sorsa, Lisa-Ida | 19 Mar 2020 | 09:30 | 09:50 | Towards Asteroid Tomography: Modellings and Measurements Using an Analogue Model | B9 | T10-E05/1 | Electromagnetic Methods for Direct and Inverse Scattering Involving Stratified Media | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Sotiriou, Ioannis | 18 Mar 2020 | 08:30 | 08:50 | Limited-view Prototype Design for Radar-based Fruit Imaging | B9 | CS66 | Unconventional Techniques and Applications for Inverse Scattering Problems | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Soto, Pablo | 17 Mar 2020 | 12:00 | 12:20 | Multibeam Array Antennas Based on Evanescent-Mode Ridge-Waveguide Radiating Filters | B5 | CS01 | Active Antennas for Onboard Space Applications | T09 Space (incl. cubesat) / Convened Session / Antennas |

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| Sounas, Dimitrios | 16 Mar 2020 | 16:40 | 17:00 | Virtual Perfect Absorption Through Adiabatically Modulated Cavities | B10 | CS24 | Controlling EM Waves with Low- and High-Dimensional Metamaterials | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Sounas, Dimitrios | 18 Mar 2020 | 08:30 | 08:50 | Nonreciprocal Metasurfaces Through Circular Polarization Biasing | B5 | CS47 | Non-Magnetic Nonreciprocity | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Sounas, Dimitrios | 19 Mar 2020 | 18:00 | 18:20 | Metasurface-Based Radar Jammers and Deceptors Implemented Through Time-Varying Metasurfaces | B7 | T06-P12 | Radar, localisation and sensing for aircraft and automotive applications | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Propagation |
| Souza, Arthur | 19 Mar 2020 | 13:20 | 13:20 | Validation Tests for the Application of a Circular PMA with Slotted Ground Plane for Partial Discharges Detection in Power Transformers | Exhibition Hall | Poster3-A11 | Poster Session 3: Multiband and wideband antennas | Antennas |
| Soykin, Oleg | 19 Mar 2020 | 17:20 | 17:40 | Wideband Dual-polarized Antenna for Wi-Fi Communication Networks | B1 | T03-A11 | Antennas for WLAN Applications | T03 Wireless LANs / Regular Session / Antennas |
| Sozio, Valentina | 20 Mar 2020 | 09:10 | 09:30 | Gaussian Horn Implemented by Metasurfaces | B1 | CS33 | IET Session: New Antenna Systems Involving Application of Metamaterials and Metasurfaces | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Spatola, Santiago | 20 Mar 2020 | 10:40 | 11:00 | Time Modulated Reflectarray Unit-Cells with Nonreciprocal Polarization Control | B8 | CS59 | Reconfigurable Reflectarray and Transmitarrays | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Speirs, Peter J | 17 Mar 2020 | 13:20 | 13:20 | Design and Measurement of Possible Wide-band 67-116 GHz ALMA Vacuum Window Anti-reflection Layers | Exhibition Hall | Poster1-A18 | Poster Session 1: Reflector, feed systems, and components | Antennas |
| Sperl, Andreas | 17 Mar 2020 | 13:20 | 13:20 | Precise 6D RTK Positioning System for UAV-based Near-Field Antenna Measurements | Exhibition Hall | Poster1-M03 | Poster Session 1: Near-field, far-field, compact and RCS range measurement techniques | Measurements |
| Spina, Domenico | 16 Mar 2020 | 15:10 | 15:30 | Bayesian Active Learning for Electromagnetic Structure Design | B9 | CS64 | Trends and Advances in Machine Learning for Applied Electromagnetics | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Spina, Domenico | 17 Mar 2020 | 08:50 | 09:10 | Machine Learning-Based Hybrid Random-Fuzzy Modeling Framework for Antenna Design | B10 | CS39 | Machine Learning in Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Spirito, Marco | 17 Mar 2020 | 13:20 | 13:20 | Efficient Waveguide Power Combiners at mm-Wave Frequencies | A2 (Poster Area) | Convened Poster 1-CS17 | Antennas with Multi-Port/Distributed Feeding and On-Antenna Power-Combining for Efficient Integration and Reconfigurability | T02 Millimetre wave 5G / Convened Session / Antennas |
| Spirito, Marco | 20 Mar 2020 | 11:00 | 11:20 | Experimental Validation of System NEP of a Single-Pixel THz Imaging Camera in CMOS | B2 | T02-M08 | Mm-wave, THz, and quasi-optical antenna measurements | T02 Millimetre wave 5G / Regular Session / Measurements |
| Srikanth, Sivasankaran | 17 Mar 2020 | 13:20 | 13:20 | Electromagnetic Analysis of the ngVLA Reference Design Antenna | Exhibition Hall | Poster1-A18 | Poster Session 1: Reflector, feed systems, and components | Antennas |
| Srivastava, Ishita | 19 Mar 2020 | 13:20 | 13:20 | A Novel Approach for Compact Antenna with Parasitic Elements Aimed at Ultra-Wideband Applications | Exhibition Hall | Poster3-A16 | Poster Session 3: UWB antennas and time-domain techniques | Antennas |
| Ssorin, Vladimir | 19 Mar 2020 | 17:20 | 17:40 | Wideband Dual-polarized Antenna for Wi-Fi Communication Networks | B1 | T03-A11 | Antennas for WLAN Applications | T03 Wireless LANs / Regular Session / Antennas |
| Stanley, Manoj | 16 Mar 2020 | 17:00 | 17:20 | A Novel Duplexing Antenna for Feedback Wireless Power Transfer | B9 | CS43 | Near- and Far-Field Wireless Power Transfer | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Staraj, Robert | 17 Mar 2020 | 17:40 | 18:00 | Compact 4-Element Radiation Pattern Agile Antenna for Spatial Filtering in IoT Networks | B1 | CS58 | Reconfigurable Antennas for Compact Devices | T04 IoT and M2M / Convened Session / Antennas |
| Stasiunas, Rytis | 17 Mar 2020 | 17:20 | 17:40 | Real-Time Demonstration of Antenna Effects on Emulated Wireless Capsule Endoscope Links | B6 | SW01 | COST Session CA15104 (IRACON): Measurements and Simulations in Channel Modelling in Wireless Body Area Networks | T05 Biomedical and health / Convened Session / Propagation |
| Steckel, Jan | 16 Mar 2020 | 17:00 | 17:20 | RSS-based AoA Estimation System for IoT Applications Using Rotman Lens | B5 | T08-A17 | Antennas and techniques for positioning and direction finding | T08 Positioning, localization & tracking / Regular Session / Antennas |
| Steiner, Hans-Juergen | 17 Mar 2020 | 13:20 | 13:20 | Precise 6D RTK Positioning System for UAV-based Near-Field Antenna Measurements | Exhibition Hall | Poster1-M03 | Poster Session 1: Near-field, far-field, compact and RCS range measurement techniques | Measurements |
| Steiner, Hans-Juergen | 18 Mar 2020 | 11:00 | 11:20 | RF-Signal Receiver for UAV-Based Characterisation of Aeronautical Navigation Systems | B11 | T06-M10 | UAV-Based Antenna Measurements (AMTA) | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Measurements |
| Stephan, Ralf | 17 Mar 2020 | 16:40 | 17:00 | Bi-static Nearfield Calibration for RCS Measurements in the C-V2X Frequency Range | B7 | CS03 | Advanced Radar Measurements, Modelling and System Solutions for Vehicular Applications | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Convened Session / Measurements |
| Stephan, Ralf | 19 Mar 2020 | 16:40 | 17:00 | Interference Mitigation for Robust Automotive Satellite Navigation Achieved with Compact Distributed Antenna Sub-Arrays | B5 | CS31 | GNSS Antennas and Systems for Challenged RF Environment | T08 Positioning, localization & tracking / Convened Session / Antennas |
| Steshenko, Sergiy | 18 Mar 2020 | 13:20 | 13:20 | Rotation of the Polarization Plane by Grooved Flanges in a Circular Waveguide | Exhibition Hall | Poster2-E06 | Poster Session 2: Scattering and diffraction | Electromagnetics |
| Stevanetic, Mladjen | 20 Mar 2020 | 09:10 | 09:30 | Homogenization of Voxel Models Using Material Mixing Formulas | B6 | SW06 | H2020 Session ID764479 (EMERALD): Electromagnetic Imaging for a Novel Generation of Medical Devices | T05 Biomedical and health / Convened Session / Electromagnetics |
| Stevanovic, Marija | 18 Mar 2020 | 11:40 | 12:00 | On the Use of Spherical Harmonics in Sparse Microwave Imaging | B9 | CS66 | Unconventional Techniques and Applications for Inverse Scattering Problems | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |

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| Stevanovic, Marija | 20 Mar 2020 | 09:10 | 09:30 | Homogenization of Voxel Models Using Material Mixing Formulas | B6 | SW06 | H2020 Session ID764479 (EMERALD): Electromagnetic Imaging for a Novel Generation of Medical Devices | T05 Biomedical and health / Convened Session / Electromagnetics |
| Stewart, Scott | 18 Mar 2020 | 13:20 | 13:20 | General Formulation of the Boundary Element Method (BEM) for Curvilinear Metasurfaces in the Presence of Multiple Scattering Objects | Exhibition Hall | Poster2-E03 | Poster Session 2: Computational and numerical techniques | Electromagnetics |
| Stoumpos, Charalampos | 19 Mar 2020 | 13:20 | 13:20 | A Compact and Broadband Four-Way Dual Polarization Waveguide Power Divider for Antenna Arrays | Exhibition Hall | Poster3-A14 | Poster Session 3: Active and integrated antennas | Antennas |
| Strauß, Rüdiger | 17 Mar 2020 | 13:20 | 13:20 | Precise 6D RTK Positioning System for UAV-based Near-Field Antenna Measurements | Exhibition Hall | Poster1-M03 | Poster Session 1: Near-field, far-field, compact and RCS range measurement techniques | Measurements |
| Strauß, Rüdiger | 18 Mar 2020 | 11:00 | 11:20 | RF-Signal Receiver for UAV-Based Characterisation of Aeronautical Navigation Systems | B11 | T06-M10 | UAV-Based Antenna Measurements (AMTA) | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Measurements |
| Ströber, Thomas | 18 Mar 2020 | 13:20 | 13:20 | Parallel-Plate Waveguide Lens for Mechanical Beam Scanning Using Gap Waveguide Feed System | A2 (Poster Area) | Convened Poster 2-CS36 | Innovative Lens Antennas for Future Communication Systems | T02 Millimetre wave 5G / Convened Session / Antennas |
| Štumpf, Martin | 19 Mar 2020 | 13:20 | 13:20 | Pulsed 2D ElectroMagnetic Field Propagation in a Rectangular Waveguide | Exhibition Hall | Poster3-A16 | Poster Session 3: UWB antennas and time-domain techniques | Antennas |
| Su, Yu-Lun | 19 Mar 2020 | 13:20 | 13:20 | Low Attenuation Dichroic Sub-Reflector for Wide Incident Angles for Ka/Ku Band Satellite Antenna Systems: An ECA Analysis | Exhibition Hall | Poster3-A11 | Poster Session 3: Multiband and wideband antennas | Antennas |
| Suanet, Pieter | 16 Mar 2020 | 14:30 | 14:50 | Phase-based Variant Maximum Likelihood Positioning for Passive UHF-RFID Tags | B5 | T08-A17 | Antennas and techniques for positioning and direction finding | T08 Positioning, localization & tracking / Regular Session / Antennas |
| Suga, Ryosuke | 18 Mar 2020 | 13:20 | 13:20 | Proposal on Hybrid Propagation Analysis of Aperture Field Integration Method and Ray Tracing Method Suitable for Airport Surface in VHF Band | Exhibition Hall | Poster2-E02 | Poster Session 2: EM theory and analytical techniques | Electromagnetics |
| Sugak, Mikhail | 19 Mar 2020 | 17:20 | 17:40 | Design of Wideband Reflectarray Antennas | B4 | CS63 | State of the Art in Antenna Research in Russia | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Sugak, Mikhail | 19 Mar 2020 | 18:00 | 18:20 | A 3D Printed Luneburg Lens Fabricated by Fused Deposition Modelling | B4 | CS63 | State of the Art in Antenna Research in Russia | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Sugawara, Mitsutoshi | 19 Mar 2020 | 13:20 | 13:20 | Single-Chip Impulse-Radar Integrated Circuits for Microwave-Imaging | Exhibition Hall | Poster3-A16 | Poster Session 3: UWB antennas and time-domain techniques | Antennas |
| Sukhorukov, Gleb | 18 Mar 2020 | 09:30 | 09:50 | An Ultrawideband Conformal Antenna for Implantable Drug Delivery Device | B2 | CS62 | Small Antenna in a Human Body Environment | T04 IoT and M2M / Convened Session / Antennas |
| Suman, Kundan | 16 Mar 2020 | 17:20 | 17:40 | A Distinct Approach Exploiting Collapse Distribution Colligated with Genetic Algorithm for the Synthesis of Thinned Planar Antenna Arrays | B4 | T07-A17 | Multiband, wideband and array antennas | T07 Defence and security / Regular Session / Antennas |
| Sumser, Kemal | 17 Mar 2020 | 09:10 | 09:30 | Influence of the BSD-2000 3D/MR Hyperthermia Applicator on MR Image Quality: A Quantitative Assessment | B7 | SW02 | COST Session CA17115 (MyWAVE): Developments in Electromagnetic-Based Medical Technologies | T05 Biomedical and Health / Convened Session / Electromagnetics |
| Sumser, Kemal | 17 Mar 2020 | 09:30 | 09:50 | The Required Patient Modeling Realism in Radiofrequency Heating Simulation Studies | B7 | SW02 | COST Session CA17115 (MyWAVE): Developments in Electromagnetic-Based Medical Technologies | T05 Biomedical and Health / Convened Session / Electromagnetics |
| Sumser, Kemal | 19 Mar 2020 | 11:00 | 11:20 | Characterization of an Integrated Radiofrequency System for MR-guided Hyperthermia | B7 | T11-P10 | Propagation in biological tissues | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Sun, Brandon | 16 Mar 2020 | 16:20 | 16:40 | Preliminary Co-Design of L and X-band Stacked Arrays with Scanning Capabilities | B4 | T07-A17 | Multiband, wideband and array antennas | T07 Defence and security / Regular Session / Antennas |
| Sun, Chao | 19 Mar 2020 | 13:20 | 13:20 | Integration of Circularly Polarized Microstrip Slot Array Antenna with Amorphous Silicon Solar Cells | Exhibition Hall | Poster3-A14 | Poster Session 3: Active and integrated antennas | Antennas |
| Sun, Cheng | 20 Mar 2020 | 12:00 | 12:20 | A Gamma Beta Mixture Model for Channel Multipath Components Clustering | B9 | T10-P02 | Propagation modelling and simulation | T10 EM modelling and simulation tools / Regular Session / Propagation |
| Sun, Dongquan | 19 Mar 2020 | 13:20 | 13:20 | Flangeless Waveguide Connection Based on Gap Waveguide Technology | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Sun, Dongquan | 19 Mar 2020 | 13:20 | 13:20 | Novel Compact Waveguide Flange Adapter for Passive Intermodulation Measurement Systems | Exhibition Hall | Poster3-M11 | Poster Session 3: Other measurement topics | Measurements |
| Sun, Guanying | 19 Mar 2020 | 16:40 | 17:00 | Improving the Reconstruction Image Quality of Multiple Small Discrete Targets Using the Phase Coherence Method | B9 | T10-E05/2 | Imaging and inverse scattering | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Sun, Haihan | 17 Mar 2020 | 08:50 | 09:10 | Achieving Wider Impedance Bandwidth Using Full-Wavelength Dipoles | B1 | CS38 | ISAP Session: Recent Advances in Asian Antennas and Propagation Research | T02 Millimetre wave 5G / Convened Session / Antennas |
| Sun, Yuntao | 19 Mar 2020 | 13:20 | 13:20 | 1-Bit Digital Coding Metasurfaces for Efficient Generation of Convergent Multi-Mode OAM Beams | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Sun, Yu-Xiang | 19 Mar 2020 | 13:20 | 13:20 | A Compact Multiband FICA Antenna with Coupled-Fed Mechanism for Mobile Phone Applications | Exhibition Hall | Poster3-A11 | Poster Session 3: Multiband and wideband antennas | Antennas |
| Supreeyattikul, Nathapat | 19 Mar 2020 | 13:20 | 13:20 | A Compact Printed Wideband Circularly Polarized Slot Antenna for Universal UHF RFID Reader | Exhibition Hall | Poster3-A15 | Poster Session 3: RFID antennas/sensors and systems | Antennas |
| Suriani, Andrea | 17 Mar 2020 | 10:40 | 11:00 | Active Antennas for Earth Observation Missions in Thales Alenia Space Italia | B5 | CS01 | Active Antennas for Onboard Space Applications | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Surier, Aurelien | 19 Mar 2020 | 17:00 | 17:20 | Adapted Low-Footprint Biasing Circuit for Switched Beam Antenna Steering Usable in Wireless Sensor Networks | B1 | T03-A11 | Antennas for WLAN Applications | T03 Wireless LANs / Regular Session / Antennas |

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| Sushko, Oleksandr | 19 Mar 2020 | 18:00 | 18:20 | Novel Design of Deployable Mesh Reflector Antenna for Mini Satellites | B11 | SW05 | ESA Session: Selected Papers from the 40th ESA Workshop on Antenna Developments for Terrestrial and Small-Space Platforms | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Sutinjo, Adrian | 17 Mar 2020 | 17:00 | 17:20 | Analysis of the Loading Effect of Faulty LNAs on Embedded Element Patterns in the Murchison Widefield Array | B8 | CS15 | Antennas for Radio Astronomy | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Sutinjo, Adrian | 17 Mar 2020 | 17:40 | 18:00 | Parallel Plate Waveguide Simulator of a Dense Connected Dipole Array | B8 | CS15 | Antennas for Radio Astronomy | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Svensson, Bengt | 16 Mar 2020 | 13:30 | 13:50 | Analysis of Compensation Methods and the Capability Boundary for Element Position Errors in Electrically Scanned Arrays | B4 | T07-A | Antenna theory and system design | T07 Defence and security / Regular Session / Antennas |
| Svensson, Bengt | 19 Mar 2020 | 13:20 | 13:20 | L/S & C Band Medium Gain Ridge Horn Intercomparison Campaign Results | Exhibition Hall | Poster3-M10 | Poster Session 3: General antenna measurements | Measurements |
| Svensson, Tommy | 19 Mar 2020 | 13:20 | 13:20 | Impact of Probe Coupling on Emulation Accuracy in Massive MIMO OTA Testing | Exhibition Hall | Poster3-M09 | Poster Session 3: MIMO and OTA testing | Measurements |
| Svigelj, Ales | 17 Mar 2020 | 10:40 | 11:00 | Statistical Analysis of Satellite Communication Experimental Time Diversity in Slovenia | B8 | T09-P08 | Satellite propagation | T09 Space (incl. cubesat) / Regular Session / Propagation |
| Sydänheimo, Lauri | 17 Mar 2020 | 17:20 | 17:40 | Headband Antenna for Wireless Power Transfer to Millimeter-Sized Neural Implants with Minimal Misalignment Effects | A2 | T04-A20 | Wireless power transfer and inductive coupling | T04 IoT and M2M / Regular Session / Antennas |
| Syrett, Barry | 18 Mar 2020 | 13:20 | 13:20 | Electronic Beam Scanning Leaky-Wave Antenna Based on Delta Shape Half-Mode Substrate Integrated Waveguide | Exhibition Hall | Poster2-A10 | Poster Session 2: Slotted-waveguide and leaky-wave antennas | Antennas |
| Syrett, Barry | 19 Mar 2020 | 17:20 | 17:40 | Reducing Side-Lobe Level of Surface Mounted Printed Leaky-Wave Antenna | B2 | T02-A10 | Leaky-wave and Traveling-wave Antennas | T02 Millimetre wave 5G / Regular Session / Antennas |
| Taboada, Jose M. | 19 Mar 2020 | 09:50 | 10:10 | Toward Extremely Scalable IE-DDM for Distributed Computing | B8 | CS30 | Fundamental Challenges and Novel Methodologies in the Next-Generation Computational Electromagnetics | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Tachtatzis, Christos | 17 Mar 2020 | 09:50 | 10:10 | On Models and Approaches for Human Vital Signs Extraction from Short Range Radar Signals | B4 | T11-M02 | Radar scattering measurement and calibration techniques | T11 Fundamental research and emerging technologies / Regular Session / Measurements |
| Tadic, Tajmin | 20 Mar 2020 | 11:20 | 11:40 | Measurement and Calculation of Exposure Level to 5G Base Station Antenna | B2 | T02-M08 | Mm-wave, THz, and quasi-optical antenna measurements | T02 Millimetre wave 5G / Regular Session / Measurements |
| Tafazolli, Rahim | 18 Mar 2020 | 13:20 | 13:20 | Trapped Microstrip-Ridge Gap Waveguide for Standalone Millimeter Wave Structures | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Tafazolli, Rahim | 18 Mar 2020 | 13:20 | 13:20 | Channel Measurement and Analysis for Polarimetric Wideband Outdoor Scenarios at 26 GHz: Directional Vs Omni-Directional | Exhibition Hall | Poster2-P05 | Poster Session 2: Mm-wave and UWB propagation | Propagation |
| Tafazolli, Rahim | 19 Mar 2020 | 12:00 | 12:20 | Holographic-Based mmW-Wideband Bidirectional Frequency Scanning Leaky Wave Antenna | B2 | CS46 | New Trends in Leaky Wave Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Tafazolli, Rahim | 20 Mar 2020 | 10:40 | 11:00 | Study on the Location of mmWave Antenna for the Autonomous Car's Detection and Ranging Sensors | B4 | T11-E06 | Scattering and diffraction | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Taheri, Sohail | 18 Mar 2020 | 13:20 | 13:20 | Channel Measurement and Analysis for Polarimetric Wideband Outdoor Scenarios at 26 GHz: Directional Vs Omni-Directional | Exhibition Hall | Poster2-P05 | Poster Session 2: Mm-wave and UWB propagation | Propagation |
| Tahir, Farooq A. | 16 Mar 2020 | 14:30 | 14:50 | An Efficient Anisotropic Metasurface for Linear and Circular-Polarization Conversion Applications | B11 | T11-E08 | Metamaterials, metasurfaces and advanced materials | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Tajdini, Mohammad M. | 19 Mar 2020 | 12:00 | 12:20 | Image Radar Determining the Nominal Body Contour for Characterization of Concealed Person-Worn Explosives | B9 | T10-E05/1 | Electromagnetic Methods for Direct and Inverse Scattering Involving Stratified Media | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Tajdini, Mohammad M. | 19 Mar 2020 | 17:40 | 18:00 | Automatic Permittivity and Thickness Characterization of Body-Borne Weak Dielectric Threats Using Wideband Radar | B9 | T10-E05/2 | Imaging and inverse scattering | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Tajik, Daniel | 18 Mar 2020 | 09:50 | 10:10 | Comparison Between MR, CT, and Quantitative Microwave Holography Images of a Compressed Breast Phantom | B9 | CS66 | Unconventional Techniques and Applications for Inverse Scattering Problems | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Takada, Jun-ichi | 18 Mar 2020 | 13:20 | 13:20 | Cluster Intensity and Spread Characteristics in Classroom Scenario at 10 and 28 GHz Bands | Exhibition Hall | Poster2-P05 | Poster Session 2: Mm-wave and UWB propagation | Propagation |
| Takada, Jun-ichi | 20 Mar 2020 | 11:00 | 11:20 | A Kirchhoff Approximation Based Spectrum Availability Prediction Method at Millimeter Wave | A3 | CS37 | IRACON Spectrum Sharing: Challenges and Opportunities for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Takatori, Yasushi | 20 Mar 2020 | 10:40 | 11:00 | A Study of an Environment Recognition Scheme Using WLAN CSI for Dynamic Spectrum Sharing | A3 | CS37 | IRACON Spectrum Sharing: Challenges and Opportunities for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Takeuchi, Shoichi | 18 Mar 2020 | 08:30 | 08:50 | Transparent Glass Antenna for 28 GHz and Its Signal Reception Characteristics in Urban Environment | B7 | T06-A17 | Automotive antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Takhedmit, Hakim | 19 Mar 2020 | 13:20 | 13:20 | Waveform Optimization for Efficiency Improvement of Traditional RF-to-dc Rectifiers Without Input Matching Network | Exhibition Hall | Poster3-A20 | Poster Session 3: Antennas for wireless power transmission and harvesting | Antennas |
| Takhedmit, Hakim | 19 Mar 2020 | 13:20 | 13:20 | Impact of Multisine and RF Pulse Signals on the Efficiency of Different Rectifier Topologies for WPT | Exhibition Hall | Poster3-A20 | Poster Session 3: Antennas for wireless power transmission and harvesting | Antennas |

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| Takhedmit, Hakim | 19 Mar 2020 | 13:20 | 13:20 | A Bird-Cage Coil for MRI Studies of Unsaturated Granular Materials | Exhibition Hall | Poster3-A23 | Poster Session 3: Other antenna topics | Antennas |
| Takhedmit, Hakim | 20 Mar 2020 | 12:00 | 12:20 | Dielectric Spectroscopy Characterization Within a Microfluidic Device Based on Open-Ended Coplanar Waveguide | B5 | T11-M01 | Material characterisation and non-destructive testing | T11 Fundamental research and emerging technologies / Regular Session / Measurements |
| Takikawa, Michio | 17 Mar 2020 | 13:20 | 13:20 | Reflectarray Antenna Changing Beam Direction by Polarization | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Takikawa, Michio | 20 Mar 2020 | 09:10 | 09:30 | Study of a Low-Loss Planar Radome for a Wide-Coverage Antenna | B7 | T06-A11 | Aircraft antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Talafi Noghani, Mahmoud | 18 Mar 2020 | 13:20 | 13:20 | A New Feed Network for the Communication Signal and Excitation of Surface-Wave-Driven Plasma Antennas | Exhibition Hall | Poster2-A01 | Poster Session 2: Antenna theory | Antennas |
| Talvitie, Olli | 19 Mar 2020 | 08:30 | 08:50 | Antenna Simulation Accuracy vs. Measurement Results of Small Form Factor Device | A3 | CS34 | IET/AMTA Session: Test and Measurement Challenges for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Measurements |
| Tamas, Razvan D. | 20 Mar 2020 | 08:50 | 09:10 | A Technique for Including Edge Diffraction Effects on RCS Evaluation at Fresnel Region Ranges | B4 | T11-E06 | Scattering and diffraction | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Tamayo-Domínguez, Adrián | 16 Mar 2020 | 13:30 | 13:50 | High Scanning Rate Leaky Wave Antenna Based on Glide Symmetry for 77 GHz Automotive Radar | B1 | SW04 | COST Session CA18223 (SyMat): Periodic Structures with Higher Symmetries | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Tami, Diego | 17 Mar 2020 | 13:20 | 13:20 | Multiple Screen Diffraction Analysis Using the Parabolic Equation Technique | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Tamminen, Aleksi | 18 Mar 2020 | 13:20 | 13:20 | Axicon-hyperbolic Lens for Reflectivity Measurements of Curved Surfaces | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Tan, Moh Chuan | 17 Mar 2020 | 13:20 | 13:20 | A Recursive Calibration Approach for Smart Antenna Beamforming Frontend | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Tanabe, Masahiro | 19 Mar 2020 | 13:20 | 13:20 | Transmit and Receive Module with a Fully-Digital Interface | Exhibition Hall | Poster3-A14 | Poster Session 3: Active and integrated antennas | Antennas |
| Tanaka, Yusuke | 16 Mar 2020 | 16:20 | 16:40 | Near-field Measurement and Far-field Characterization of a J-band Antenna Based on an Electro-optic Sensing | B7 | T06-M03 | Near-field, far-field, compact and RCS range measurement techniques | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Measurements |
| Tandai, Tomoya | 17 Mar 2020 | 13:20 | 13:20 | Maximum Ratio Transmission for OAM Mode Multiplexing Using Multiple UCAs | Exhibition Hall | Poster1-A22 | Poster Session 1: MIMO, diversity, smart antennas & signal processing | Antennas |
| Tang, Hu | 17 Mar 2020 | 13:20 | 13:20 | Frequency Diverse Array Beamforming Using Particle Swarm Optimization | Exhibition Hall | Poster1-A19 | Poster Session 1: Reflect arrays and transmit arrays | Antennas |
| Tang, Ming-Chun | 17 Mar 2020 | 16:40 | 17:00 | Electrically Small Antenna with Broadside and Monopole-Like Beam Reconfigurability | B1 | CS58 | Reconfigurable Antennas for Compact Devices | T04 IoT and M2M / Convened Session / Antennas |
| Tang, Pan | 16 Mar 2020 | 15:10 | 15:30 | Millimeter-Wave Channel Characteristics for V2V Communications in the Garage Entrance | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Tang, Pan | 17 Mar 2020 | 13:20 | 13:20 | Analysis of Delay Characteristics at 4.9 GHz and 28 GHz in an Indoor Industrial Scenario | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Tang, Pan | 18 Mar 2020 | 13:20 | 13:20 | Ray-tracing Based Channel Clustering and Analysis at 28 GHz in Conference Environment | Exhibition Hall | Poster2-P05 | Poster Session 2: Mm-wave and UWB propagation | Propagation |
| Tang, Pan | 18 Mar 2020 | 13:20 | 13:20 | A Comparative Study for Indoor Factory Environments at 4.9 and 28 GHz | Exhibition Hall | Poster2-P05 | Poster Session 2: Mm-wave and UWB propagation | Propagation |
| Tang, Pan | 20 Mar 2020 | 12:00 | 12:20 | A Gamma Beta Mixture Model for Channel Multipath Components Clustering | B9 | T10-P02 | Propagation modelling and simulation | T10 EM modelling and simulation tools / Regular Session / Propagation |
| Tang, Wanchun | 18 Mar 2020 | 13:20 | 13:20 | The Sparsity and Incoherence in Compressive Sensing as Applied to Field Reconstruction | A2 (Poster Area) | Convened Poster 2-CS61 | Signal Processing Techniques for Advanced Electromagnetics Synthesis, Analysis, and Measurements | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Tang, Wenxuan | 16 Mar 2020 | 14:30 | 14:50 | A Frequency-Controlled Fast Beam-Scanning Antenna with Glide-Symmetric Feeding | B1 | SW04 | COST Session CA18223 (SyMat): Periodic Structures with Higher Symmetries | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Tanghe, Emmeric | 16 Mar 2020 | 14:30 | 14:50 | Phase-based Variant Maximum Likelihood Positioning for Passive UHF-RFID Tags | B5 | T08-A17 | Antennas and techniques for positioning and direction finding | T08 Positioning, localization & tracking / Regular Session / Antennas |
| Tanghe, Emmeric | 17 Mar 2020 | 13:20 | 13:20 | 60 GHz Path Loss Modelling Inside Ships | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Tanghe, Emmeric | 18 Mar 2020 | 13:20 | 13:20 | Estimation of the Number of Persons in a Reverberant Environment Using Bistatic Radar | Exhibition Hall | Poster2-P12 | Poster Session 2: Radar, localisation, and sensing | Propagation |
| Tanghe, Emmeric | 20 Mar 2020 | 11:40 | 12:00 | Massive Radio Channel Sounder Architecture for 5G Mobility Scenarios: MaMIMOSA | B11 | CS20 | Assessment and Modeling of Antennas and Radio Channels Jointly | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Tankielun, Adam | 18 Mar 2020 | 11:20 | 11:40 | Quiet Zone Verification of Plane Wave Synthesizer Using Polar Near-Field Scanner | A3 | CS06 | AMTA/IRACON Session: Over-The-Air Testing of 5G Radios | T02 Millimetre wave 5G / Convened Session / Measurements |
| Tanner, Gregor | 19 Mar 2020 | 09:10 | 09:30 | Reflected Wave Fields from a Fluctuating Earth Surface - a Phase-Space Approach | B9 | T10-E05/1 | Electromagnetic Methods for Direct and Inverse Scattering Involving Stratified Media | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Tanner, Gregor | 20 Mar 2020 | 10:40 | 11:00 | Towards Hybrid Statistical-Deterministic Wireless Channel Modelling of Multiroom Environments | B11 | CS20 | Assessment and Modeling of Antennas and Radio Channels Jointly | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Taremi Zadeh, Ashkan | 18 Mar 2020 | 13:20 | 13:20 | Experimental Results on Rain Detection at Ka-Band Based on Range-Doppler Signal Processing | Exhibition Hall | Poster2-P12 | Poster Session 2: Radar, localisation, and sensing | Propagation |
| Tartari, Andrea | 18 Mar 2020 | 11:00 | 11:20 | The Optical Combiner of QUBIC: The Q & U Bolometric Interferometer for Cosmology | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |

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| Tataria, Harsh | 17 Mar 2020 | 14:50 | 15:30 | Impact of Spatially Consistent Channels on Digital Beamforming for Millimeter-Wave Systems | A3 | IS-Tue 2/1 | Invited Speaker Session | Propagation |
| Tataria, Harsh | 18 Mar 2020 | 13:20 | 13:20 | Closed Form Characterization of Mutual Coupling in Uniform Linear Arrays | Exhibition Hall | Poster2-A01 | Poster Session 2: Antenna theory | Antennas |
| Taverny, Vivien | 19 Mar 2020 | 13:20 | 13:20 | Flat Meta-Reflector for Broadband Circularly Polarized Parabolic Antenna | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Tawk, Youssef | 20 Mar 2020 | 10:40 | 11:00 | Nesting Dual Tapered Additively Manufactured Helical Antennas for Size Reduction Constraints | B10 | CS11 | Antenna Design and Fundamental Bounds with External Constraints | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Taygur, Mehmet Mert | 17 Mar 2020 | 16:40 | 17:00 | Asymptotic Expansion of the Reciprocity Integral in a Bidirectional Ray-Tracing Approach | B9 | CS32 | High-Frequency Methods and Applications | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Taygur, Mehmet Mert | 19 Mar 2020 | 17:00 | 17:20 | A Coarse-fine Mesh Approach for Improved Solution of 3-D Inverse Problems in Unbounded Media | B9 | T10-E05/2 | Imaging and inverse scattering | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Taylor, Paul | 18 Mar 2020 | 13:20 | 13:20 | Mechanically Influenced Antennas for Strain Sensing Applications Using Multiphysics Modelling | Exhibition Hall | Poster2-A02 | Poster Session 2: Antenna interactions and coupling | Antennas |
| Taylor, Zachary D | 18 Mar 2020 | 12:00 | 12:20 | In Favor of Re-Introducing and/or Expanding Rectangular Waveguides in Bachelor's and Master's Level Electromagnetic Courses | B4 | CS26 | Education in Electromagnetics, Antennas, and Microwaves | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Taylor, Zachary D | 18 Mar 2020 | 13:20 | 13:20 | Axicon-hyperbolic Lens for Reflectivity Measurements of Curved Surfaces | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Teerasuttakorn, Nonthapat | 19 Mar 2020 | 13:20 | 13:20 | A Compact Printed Wideband Circularly Polarized Slot Antenna for Universal UHF RFID Reader | Exhibition Hall | Poster3-A15 | Poster Session 3: RFID antennas/sensors and systems | Antennas |
| Teixeira, Jorge | 18 Mar 2020 | 13:20 | 13:20 | Transmit-array Antenna Design for Broadband Backhaul 5G Communications at WiGIG Band | A2 (Poster Area) | Convened Poster 2-CS36 | Innovative Lens Antennas for Future Communication Systems | T02 Millimetre wave 5G / Convened Session / Antennas |
| Tena Sanchez, Ruben | 16 Mar 2020 | 17:00 | 17:20 | Relative Phase Reconstruction Based on Multiprobe Solutions and Post-Processing Techniques | B7 | T06-M03 | Near-field, far-field, compact and RCS range measurement techniques | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Measurements |
| Tena Sanchez, Ruben | 19 Mar 2020 | 08:30 | 08:50 | Near-Field to Far-Field Transformation for Fast Linear Slide Measurements | B10 | CS07 | AMTA/EurAAP Session: Post Processing Techniques in Antenna Measurements | T11 Fundamental research and emerging technologies / Convened Session / Measurements |
| Teneh, Nimrod | 17 Mar 2020 | 13:20 | 13:20 | Detection Probability Calculations for Fluctuating Targets Under Clutter | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Teniou, Mounir | 20 Mar 2020 | 09:50 | 10:10 | A Fast and Rigorous Assessment of the Specific Absorption Rate (SAR) for MIMO Cellular Equipment Based on Vector Near-Field Measurements | B2 | T05-M06 | Dosimetry, exposure, and SAR assessment | T05 Biomedical and health / Regular Session / Measurements |
| Tennant, Alan | 16 Mar 2020 | 16:40 | 17:00 | Multichannel Dynamic Directional Modulation with Software Defined Radio | B4 | T07-A17 | Multiband, wideband and array antennas | T07 Defence and security / Regular Session / Antennas |
| Tennant, Alan | 17 Mar 2020 | 13:20 | 13:20 | Convergence of OAM Beams Using Time-Modulated Concentric Circular Arrays | Exhibition Hall | Poster1-A22 | Poster Session 1: MIMO, diversity, smart antennas & signal processing | Antennas |
| Tennant, Alan | 18 Mar 2020 | 13:20 | 13:20 | Study of Printed Scattering Reflectors Based on Discretised Metasurface | A2 (Poster Area) | Convened Poster 2-CS50 | Novel Wave Phenomena in Metamaterials and Metasurfaces Applied to Antennas and Propagation | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Tentzeris, Manos M. | 18 Mar 2020 | 11:40 | 12:00 | Flexible Antenna Design with Characteristic Modes | B1 | CS45 | New Perspectives and Applications of Characteristic Mode Analysis in Antenna Design | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Terranova, Sergio | 17 Mar 2020 | 17:40 | 18:00 | 3D Diffraction of a Complex Source Beam by a PEC Wedge | B9 | CS32 | High-Frequency Methods and Applications | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Tesarik, Jan | 16 Mar 2020 | 16:40 | 17:00 | Validation of Multilevel 24-Port Microwave Imaging System for Brain Stroke Monitoring on Synthetic Numerical Data | B8 | T05-E05 | Microwave imaging | T05 Biomedical and health / Regular Session / Electromagnetics |
| Teschl, Franz | 19 Mar 2020 | 17:00 | 17:20 | Calibrating Ka Band Satellite Down-Link Modem Measurements for Rainfall Monitoring | B8 | T09-P13 | Propagation Aspects in Remote Sensing | T09 Space (incl. cubesat) / Regular Session / Propagation |
| Teschl, Reinhard | 19 Mar 2020 | 17:00 | 17:20 | Calibrating Ka Band Satellite Down-Link Modem Measurements for Rainfall Monitoring | B8 | T09-P13 | Propagation Aspects in Remote Sensing | T09 Space (incl. cubesat) / Regular Session / Propagation |
| Tesmer, Henning | 19 Mar 2020 | 18:00 | 18:20 | Fully Dielectric Phased Array for Beamsteering Using Liquid Crystal Technology at W-Band | A3 | CS49 | Novel Techniques for Beam Manipulation at Millimeter | T02 Millimetre wave 5G / Convened Session / Antennas |
| Testolin, Alberto | 17 Mar 2020 | 17:00 | 17:20 | Machine Learning-aided Design of Thinned Antenna Arrays for Optimized Network Level Performance | B5 | CS28 | EuMA/EurAAP Session: From Radiating Section to Digital Interface - Research and Design Trends for an End-To-End Approach of Highly Integrated Active Antenna Systems | T02 Millimetre wave 5G / Convened Session / Antennas |
| Testolina, Paolo | 17 Mar 2020 | 17:00 | 17:20 | Machine Learning-aided Design of Thinned Antenna Arrays for Optimized Network Level Performance | B5 | CS28 | EuMA/EurAAP Session: From Radiating Section to Digital Interface - Research and Design Trends for an End-To-End Approach of Highly Integrated Active Antenna Systems | T02 Millimetre wave 5G / Convened Session / Antennas |
| Thawdar, Ngwe | 17 Mar 2020 | 13:20 | 13:20 | Design and Operation of a Smart Graphene-Metal Hybrid Reflectarray at THz Frequencies | Exhibition Hall | Poster1-A19 | Poster Session 1: Reflect arrays and transmit arrays | Antennas |
| Thiel, David V | 18 Mar 2020 | 08:50 | 09:10 | Teaching Wireless Communications Courses: An Experiential Learning Approach | B4 | CS26 | Education in Electromagnetics, Antennas, and Microwaves | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |

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| Thiel, David V | 19 Mar 2020 | 13:20 | 13:20 | E-Field Distribution in Ex-Vivo Porcine Skin Layer from a Subsurface UHF Transmitter | Exhibition Hall | Poster3-A12 | Poster Session 3: Wearable and implantable antennas | Antennas |
| Thielecke, Lennart | 17 Mar 2020 | 17:20 | 17:40 | A Ray Optical Diffraction Model for Car Chassis in V2X Communication | B7 | CS03 | Advanced Radar Measurements, Modelling and System Solutions for Vehicular Applications | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Convened Session / Measurements |
| Thielecke, Lennart | 19 Mar 2020 | 11:00 | 11:20 | Generation of Realistic Railway Based Mobility Scenarios | B1 | T01-P02 | Propagation modelling and simulation | T01 LTE and Sub-6GHz 5G / Regular Session / Propagation |
| Thoelert, Steffen | 19 Mar 2020 | 13:20 | 13:20 | Proposal of GNSS Satellite Antenna Performance Evaluation Based on Reconstructed Gain Patterns | Exhibition Hall | Poster3-M07 | Poster Session 3: Satellite and aerospace antenna characterisation | Measurements |
| Thoen, David | 16 Mar 2020 | 13:50 | 14:10 | Experimental Validation of the Beam Pattern of a Wide Band Quasi-Optical System for DESHIMA Spectrometer | B8 | T09-A09 | Millimetre wave lens antennas for space applications | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Thoen, David | 18 Mar 2020 | 13:20 | 13:20 | Wideband Superconducting Integrated Filter-bank for THz Astronomy | Exhibition Hall | Poster2-P13 | Poster Session 2: Radio science and remote sensing | Propagation |
| Thomä, Reiner S. | 17 Mar 2020 | 16:40 | 17:00 | Bi-static Nearfield Calibration for RCS Measurements in the C-V2X Frequency Range | B7 | CS03 | Advanced Radar Measurements, Modelling and System Solutions for Vehicular Applications | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Convened Session / Measurements |
| Thomä, Reiner S. | 18 Mar 2020 | 13:20 | 13:20 | Multi-band Characterization of Propagation in Industry Scenarios | Exhibition Hall | Poster2-P05 | Poster Session 2: Mm-wave and UWB propagation | Propagation |
| Thomä, Reiner S. | 18 Mar 2020 | 13:20 | 13:20 | In-Stationary Tapped Delay Line Channel Modeling and Simulation | Exhibition Hall | Poster2-P09 | Poster Session 2: Propagation for vehicular communications | Propagation |
| Thomä, Reiner S. | 19 Mar 2020 | 11:00 | 11:20 | Performance of OFDMA Resource Scheduling in Joint Mobile Radio and Radar Networks | B5 | CS25 | Convergence of Mobile Radio and Radar | T08 Positioning, localization & tracking / Convened Session / Propagation |
| Thomä, Reiner S. | 20 Mar 2020 | 08:50 | 09:10 | Characterization of the Propagation Channel in Conference Room Scenario at 190 GHz | A3 | CS37 | IRACON Spectrum Sharing: Challenges and Opportunities for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Thomas, Anthony | 17 Mar 2020 | 11:40 | 12:00 | Performance Investigation of a Handset Antenna Using a C-tuner for Aperture Tuning | B2 | CS16 | Antennas in IoT Wireless Devices: Modelling and Industrial Considerations | T04 IoT and M2M / Convened Session / Antennas |
| Thomas, Glyn | 17 Mar 2020 | 08:30 | 08:50 | Active Antenna Developments, Challenges and the Future | B5 | CS01 | Active Antennas for Onboard Space Applications | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Thompson, Erik M | 17 Mar 2020 | 11:20 | 11:40 | Rigid-Flexible Antenna Array (RFAA) for Lightweight Deployable Apertures | B5 | CS01 | Active Antennas for Onboard Space Applications | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Thougaard, Morten | 18 Mar 2020 | 13:20 | 13:20 | Procedure for Simulating the Direct Path Loss Between Body-Worn Antennas | Exhibition Hall | Poster2-P10 | Poster Session 2: Propagation in biological tissues and body-area propagation | Propagation |
| Tian, Chushun | 20 Mar 2020 | 09:50 | 10:10 | How Radiation Propagates in Random Media: Spatial Structure of Transmission Eigenchannels | B4 | T11-E06 | Scattering and diffraction | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Tian, Lei | 16 Mar 2020 | 15:10 | 15:30 | Millimeter-Wave Channel Characteristics for V2V Communications in the Garage Entrance | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Tian, Lei | 17 Mar 2020 | 13:20 | 13:20 | Analysis of Delay Characteristics at 4.9 GHz and 28 GHz in an Indoor Industrial Scenario | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Tian, Lei | 18 Mar 2020 | 13:20 | 13:20 | Ray-tracing Based Channel Clustering and Analysis at 28 GHz in Conference Environment | Exhibition Hall | Poster2-P05 | Poster Session 2: Mm-wave and UWB propagation | Propagation |
| Tian, Lei | 18 Mar 2020 | 13:20 | 13:20 | A Comparative Study for Indoor Factory Environments at 4.9 and 28 GHz | Exhibition Hall | Poster2-P05 | Poster Session 2: Mm-wave and UWB propagation | Propagation |
| Tian, Lei | 20 Mar 2020 | 12:00 | 12:20 | A Gamma Beta Mixture Model for Channel Multipath Components Clustering | B9 | T10-P02 | Propagation modelling and simulation | T10 EM modelling and simulation tools / Regular Session / Propagation |
| Tian, Ruiyuan | 19 Mar 2020 | 13:20 | 13:20 | Throughput and Spherical Coverage Performance of mmWave Dual Polarized Antenna Arrays | Exhibition Hall | Poster3-M09 | Poster Session 3: MIMO and OTA testing | Measurements |
| Tibaldi, Alberto | 17 Mar 2020 | 16:40 | 17:00 | Characteristic Mode Analysis of Multi-Octave Asymmetric Dipoles | B8 | CS15 | Antennas for Radio Astronomy | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Tiberi, Gianluigi | 17 Mar 2020 | 13:20 | 13:20 | Design of Distributed Spiral Resonators for the Decoupling of MRI Array Coils | A2 (Poster Area) | Convened Poster 1-CS27 | Electromagnetics in MRI Applications | T05 Biomedical and health / Convened Session / Electromagnetics |
| Tienda, Carolina | 17 Mar 2020 | 08:30 | 08:50 | Active Antenna Developments, Challenges and the Future | B5 | CS01 | Active Antennas for Onboard Space Applications | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Tigrek, Recep Firat | 19 Mar 2020 | 10:40 | 11:00 | System Level Synchronization of Phase-Coded FMCW Automotive Radars for RadCom | B5 | CS25 | Convergence of Mobile Radio and Radar | T08 Positioning, localization & tracking / Convened Session / Propagation |
| Tihon, Denis | 17 Mar 2020 | 13:20 | 13:20 | A Nesting Approach for the Numerical Analysis of MRI Birdcage Antennas in the Presence of the Human Head | A2 (Poster Area) | Convened Poster 1-CS27 | Electromagnetics in MRI Applications | T05 Biomedical and health / Convened Session / Electromagnetics |
| Tihon, Denis | 19 Mar 2020 | 11:20 | 11:40 | Modal Characterization of Thermal Emitters Using the Method of Moments | B8 | CS30 | Fundamental Challenges and Novel Methodologies in the Next-Generation Computational Electromagnetics | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Tikhov, Yuri | 19 Mar 2020 | 17:00 | 17:20 | A 220-300 GHz Offset Dual-Reflector Antenna for Point-to-Point Radio | B4 | CS63 | State of the Art in Antenna Research in Russia | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Tiloca, Andrea | 19 Mar 2020 | 11:40 | 12:00 | An Accelerometer - Based Evaluation of Tinetti Scale | B6 | T05-A12/2 | Point of Care Microwave Sensors | T05 Biomedical and health / Regular Session / Antennas |
| Tingyong, Jiang | 17 Mar 2020 | 13:20 | 13:20 | Zero Index Metamaterial for High Gain Array | Exhibition Hall | Poster1-A09 | Poster Session 1: Lens antennas | Antennas |
| Tingyong, Jiang | 19 Mar 2020 | 13:20 | 13:20 | Electric Field Analysis and Measurement for a Resistively Loaded Monocone | Exhibition Hall | Poster3-M10 | Poster Session 3: General antenna measurements | Measurements |
| Titz, Diane | 18 Mar 2020 | 13:20 | 13:20 | Transmit-array Antenna Design for Broadband Backhaul 5G Communications at WiGIG Band | A2 (Poster Area) | Convened Poster 2-CS36 | Innovative Lens Antennas for Future Communication Systems | T02 Millimetre wave 5G / Convened Session / Antennas |

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| Tiukuvaara, Ville | 17 Mar 2020 | 17:20 | 17:40 | Mapping Between Complex Eigenmodes and Complex Propagation Constant for Uniform Rectangular Metallic Waveguides | B11 | T10-E03/2 | Computational and numerical techniques 2 | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Tiukuvaara, Ville | 20 Mar 2020 | 11:40 | 12:00 | Metasurface Modeling of Periodic Diffraction Gratings Based on Generalized Sheet Transition Conditions (GSTCs) | B4 | T11-E06 | Scattering and diffraction | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Tobon Vasquez, Jorge A. | 20 Mar 2020 | 09:30 | 09:50 | Electromagnetic Virtual Prototyping of a Realistic 3-D Microwave Scanner for Brain Stroke Imaging | B6 | SW06 | H2020 Session ID764479 (EMERALD): Electromagnetic Imaging for a Novel Generation of Medical Devices | T05 Biomedical and health / Convened Session / Electromagnetics |
| Tobon Vasquez, Jorge Alberto | 17 Mar 2020 | 11:20 | 11:40 | Portable 3-D Microwave Imaging System for Cerebrovascular Diseases Monitoring | B7 | SW02 | COST Session CA17115 (MyWAVE): Developments in Electromagnetic-Based Medical Technologies | T05 Biomedical and Health / Convened Session / Electromagnetics |
| Toccafondi, Alberto | 20 Mar 2020 | 11:00 | 11:20 | UHF and L-Band Microwave Measurements of the Antarctic Firn-Layer Complex Permittivity Depth Profile | B5 | T11-M01 | Material characterisation and non-destructive testing | T11 Fundamental research and emerging technologies / Regular Session / Measurements |
| Tofigh, Farzad | 19 Mar 2020 | 13:20 | 13:20 | Ultra Wideband Dual Polarization Metamaterial Absorber for 5G Frequency Spectrum | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Tognolatti, Ludovica | 17 Mar 2020 | 17:20 | 17:40 | Radiation Shaping by Using Lattice Modes in a Dual-feed Dielectric Structure | B9 | CS32 | High-Frequency Methods and Applications | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Tolin, Enrico | 19 Mar 2020 | 13:20 | 13:20 | Reduced Size RFID Reader Antenna Based on Reconfigurable Feeding Network Realized with Artificial Transmission Lines | Exhibition Hall | Poster3-A15 | Poster Session 3: RFID antennas/sensors and systems | Antennas |
| Tomar, Raghuvir | 19 Mar 2020 | 13:20 | 13:20 | Clown Shaped Super Wideband Antenna | Exhibition Hall | Poster3-A16 | Poster Session 3: UWB antennas and time-domain techniques | Antennas |
| Tomimoto, Kazuma | 17 Mar 2020 | 11:20 | 11:40 | Antennas and Propagation Technologies of V2V Communications for Platooning | B1 | CS38 | ISAP Session: Recent Advances in Asian Antennas and Propagation Research | T02 Millimetre wave 5G / Convened Session / Antennas |
| Tomura, Takashi | 17 Mar 2020 | 16:40 | 17:00 | Floquet Mode Analysis on Groove Gap Waveguide | B11 | T10-E03/2 | Computational and numerical techniques 2 | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Tomura, Takashi | 19 Mar 2020 | 13:20 | 13:20 | All-Dielectric Huygens' Metasurface Pair for mm-Wave Circularly-Polarized Beam-Forming | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Tomura, Takashi | 19 Mar 2020 | 17:00 | 17:20 | Radial Line Slot Array Antenna for 5.8-GHz-Band Beam-Type Wireless Power Transmission | B2 | T02-A10 | Leaky-wave and Traveling-wave Antennas | T02 Millimetre wave 5G / Regular Session / Antennas |
| Tong, Wen | 17 Mar 2020 | 11:40 | 12:00 | Substrate Integrated Dual Linearly Polarized End-Fire Antenna Array Operating at 28GHz | A2 | T02-A04/2 | Millimetre wave arrays for mobile terminals | T02 Millimetre wave 5G / Regular Session / Antennas |
| Top, Can Baris | 17 Mar 2020 | 13:20 | 13:20 | An Improved Receiver for Harmonic Motion Microwave Doppler Imaging | Exhibition Hall | Poster1-M04 | Poster Session 1: Data acquisition, imaging algorithms and processing methods | Measurements |
| Torchinsky, Stephen | 18 Mar 2020 | 11:00 | 11:20 | The Optical Combiner of QUBIC: The Q & U Bolometric Interferometer for Cosmology | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Törnevik, Christer | 19 Mar 2020 | 09:50 | 10:10 | EMF Exposure Assessment of Massive MIMO Radio Base Stations Based on Traffic Beam Pattern Envelopes | A3 | CS34 | IET/AMTA Session: Test and Measurement Challenges for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Measurements |
| Torrego, Raúl | 16 Mar 2020 | 13:50 | 14:10 | Emulation of End-To-End Communications Systems in Railway Scenarios: Physical Layer Results | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Torres-García, Alicia E. | 18 Mar 2020 | 10:40 | 11:00 | Comparison of Modified Soret Lenses for Dual Band Integrated Detectors | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Torres-García, Alicia E. | 18 Mar 2020 | 13:20 | 13:20 | A Gap Waveguide Fed Circular Polarization Antennas in the Millimeter Wave Range | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Torrisi, Giuseppe | 17 Mar 2020 | 13:20 | 13:20 | Antenna Design for RF Ion Heating of Anisotropic Magnetized Plasma | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Torrisi, Giuseppe | 18 Mar 2020 | 12:00 | 12:20 | Microwave Imaging Profilometry for Plasma Diagnostics | B9 | CS66 | Unconventional Techniques and Applications for Inverse Scattering Problems | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Toscano, Alessandro | 16 Mar 2020 | 17:20 | 17:40 | Propagation Through Metamaterial Temporal Slabs: Transmission, Reflection and Special Cases | B11 | T11-E08 | Metamaterials, metasurfaces and advanced materials | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Toscano, Alessandro | 18 Mar 2020 | 12:00 | 12:20 | Doppler Cloak: Concept and Realistic Implementation Through Space-Time Modulated Metamaterials and Time-Modulated Metasurfaces | B5 | CS47 | Non-Magnetic Nonreciprocity | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Toscano, Alessandro | 18 Mar 2020 | 13:20 | 13:20 | Latest Developments on Non-linear and Time-varying Metasurfaces and Topological Antennas | A2 (Poster Area) | Convened Poster 2-CS50 | Novel Wave Phenomena in Metamaterials and Metasurfaces Applied to Antennas and Propagation | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Toscano, Alessandro | 19 Mar 2020 | 13:20 | 13:20 | Scattering-free Energy Storage in Open Cavities Bounded by Metasurfaces | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Toscano, Alessandro | 19 Mar 2020 | 18:00 | 18:20 | Metasurface-Based Radar Jammers and Deceptors Implemented Through Time-Varying Metasurfaces | B7 | T06-P12 | Radar, localisation and sensing for aircraft and automotive applications | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Propagation |
| Toscano, Alessandro | 20 Mar 2020 | 09:10 | 09:30 | Perfect Matching of Reactive-Loaded Transmission Lines Through Complex Excitation | B4 | T11-E06 | Scattering and diffraction | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Toso, Giovanni | 16 Mar 2020 | 14:30 | 14:50 | Rotman Lenses with Ridged Waveguides in Q-Band | B8 | T09-A09 | Millimetre wave lens antennas for space applications | T09 Space (incl. cubesat) / Regular Session / Antennas |

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| Toso, Giovanni | 17 Mar 2020 | 12:00 | 12:20 | Multibeam Array Antennas Based on Evanescent-Mode Ridge-Waveguide Radiating Filters | B5 | CS01 | Active Antennas for Onboard Space Applications | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Toso, Giovanni | 17 Mar 2020 | 16:40 | 17:00 | Design of Wideband Wide-Scanning Dual-Polarized Phased Array Covering Simultaneously Both the Ku- And the Ka-Satcom Bands | A3 | CS56 | Recent Advances on Electronically Steerable Antenna Arrays at mm-Wave Frequencies | T02 Millimetre wave 5G / Convened Session / Antennas |
| Toso, Giovanni | 17 Mar 2020 | 18:00 | 18:20 | Liquid Crystal-based Reconfigurable Metasurface for Beam Scanning at Millimeter Wave Frequencies | A3 | CS56 | Recent Advances on Electronically Steerable Antenna Arrays at mm-Wave Frequencies | T02 Millimetre wave 5G / Convened Session / Antennas |
| Toso, Giovanni | 19 Mar 2020 | 13:20 | 13:20 | A Conformal Spherical DRA for MEO Applications in Ka-band Realized with Additive Manufacturing | Exhibition Hall | Poster3-A21 | Poster Session 3: Additive manufacturing | Antennas |
| Toso, Giovanni | 20 Mar 2020 | 12:00 | 12:20 | High-Gain Flat-Top Antenna Sub-Arrays for Planar Arrays with Limited Field of View | A2 | T01-A22 | MIMO, diversity, smart antennas & signal processing | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Toya, Akihiro | 19 Mar 2020 | 13:20 | 13:20 | Single-Chip Impulse-Radar Integrated Circuits for Microwave-Imaging | Exhibition Hall | Poster3-A16 | Poster Session 3: UWB antennas and time-domain techniques | Antennas |
| Trampler, Michael | 20 Mar 2020 | 09:10 | 09:30 | Bandwidth and Efficiency Enhancement for 2-D Beamscanning Reflectarray Operating at X Band | B8 | CS59 | Reconfigurable Reflectarray and Transmitarrays | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Trappe, Neil | 18 Mar 2020 | 08:50 | 09:10 | Analysis Methods for Multimoded Horns for Future THz Missions (SAFARI Instrument for SPICA) | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Trappe, Neil | 18 Mar 2020 | 13:20 | 13:20 | Application of non-PEC Walled Mode-Matching Techniques to a Prototype SAFARI M-band Multi-Mode Receiver | Exhibition Hall | Poster2-E03 | Poster Session 2: Computational and numerical techniques | Electromagnetics |
| Trenta, Damiano | 20 Mar 2020 | 12:00 | 12:20 | Echo Reduction Properties of Fast Non-Redundant Planar NF Sampling Methodologies | B2 | T02-M08 | Mm-wave, THz, and quasi-optical antenna measurements | T02 Millimetre wave 5G / Regular Session / Measurements |
| Tresoldi, Dario | 17 Mar 2020 | 13:20 | 13:20 | An 8x8 Cavity Backed Waveguide Antenna Array for D-Band Backhauling Communications | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Tretyakov, Sergei | 16 Mar 2020 | 14:30 | 14:50 | Mini- And Multi-Dimensional Metamaterials | B10 | CS24 | Controlling EM Waves with Low- and High-Dimensional Metamaterials | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Tretyakov, Sergei | 16 Mar 2020 | 16:00 | 16:20 | Complementary Metasurfaces for Waveguide Applications | B11 | T11-E08 | Metamaterials, metasurfaces and advanced materials | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Tretyakov, Sergei | 17 Mar 2020 | 11:00 | 11:20 | Multifunctional Nonreciprocal Metasurfaces Based on Spatiotemporal Modulation | B9 | CS09 | Analytical and Numerical Methods for Metasurface Analysis and Design | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Tretyakov, Sergei | 18 Mar 2020 | 11:00 | 11:20 | Temporal Modulation of Bianisotropic Metasurfaces for Unidirectional Wave Amplification | B5 | CS47 | Non-Magnetic Nonreciprocity | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Treuttl, Jeanne | 18 Mar 2020 | 11:40 | 12:00 | Jupiter Icy Moon Explorer, Submillimeter Wave Instrument: Status and Performances of the 1200 GHz High Spectral Resolution Receiver Front End | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Trigueros, Luis Lenin | 17 Mar 2020 | 13:20 | 13:20 | Analysis of Phase Evolution Impact in SIMO Operation in Distributed Transceiver Systems | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Trindade Mordente Gonçalves, Sandro | 17 Mar 2020 | 13:20 | 13:20 | Multiple Screen Diffraction Analysis Using the Parabolic Equation Technique | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Tripon-Canseliet, Charlotte | 16 Mar 2020 | 17:40 | 18:00 | High Speed Metasurface Reconfigurability Under Optical Control | B10 | CS24 | Controlling EM Waves with Low- and High-Dimensional Metamaterials | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Tripon-Canseliet, Charlotte | 19 Mar 2020 | 11:00 | 11:20 | Controlling Dual Polarization with Metasurface Leakage | B2 | CS46 | New Trends in Leaky Wave Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Triverio, Piero | 17 Mar 2020 | 11:20 | 11:40 | An Efficient Parallelization Strategy for the Adaptive Integral Method Based on Graph Partitioning | B11 | T10-E03/1 | Computational and numerical techniques 1 | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Troelsen, Jens | 18 Mar 2020 | 13:20 | 13:20 | Procedure for Simulating the Direct Path Loss Between Body-Worn Antennas | Exhibition Hall | Poster2-P10 | Poster Session 2: Propagation in biological tissues and body-area propagation | Propagation |
| Tsitsas, Nikolaos L. | 18 Mar 2020 | 11:40 | 12:00 | Teaching Applied Mathematics for Electromagnetics by Means of a Simple Scattering Problem | B4 | CS26 | Education in Electromagnetics, Antennas, and Microwaves | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Tsitsas, Nikolaos L. | 19 Mar 2020 | 08:30 | 08:50 | Electromagnetic Excitation of a Layered Medium by N Magnetic Dipoles | B9 | T10-E05/1 | Electromagnetic Methods for Direct and Inverse Scattering Involving Stratified Media | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Tsoulos, George | 16 Mar 2020 | 13:30 | 13:50 | Modelling Ray Tracing Propagation Data Using Different Machine Learning Algorithms | B9 | CS64 | Trends and Advances in Machine Learning for Applied Electromagnetics | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Tsunemitsu, Yasuhiro | 18 Mar 2020 | 13:20 | 13:20 | The Slotted Waveguide Array Antenna with Reflection Canceling Stairs in Millimeter Waveband | Exhibition Hall | Poster2-A10 | Poster Session 2: Slotted-waveguide and leaky-wave antennas | Antennas |
| Tu, Yanli | 17 Mar 2020 | 13:20 | 13:20 | Propagation Analysis of Terahertz OAM Waves in Atmospheric Turbulent Environment | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Tubau, Ségolène | 16 Mar 2020 | 15:10 | 15:30 | All-Metal Graded Index Gutman Lens Antenna - A More Compact Luneburg Lens | B8 | T09-A09 | Millimetre wave lens antennas for space applications | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Tubau, Ségolène | 18 Mar 2020 | 13:20 | 13:20 | Parallel-Plate Waveguide Lens for Mechanical Beam Scanning Using Gap Waveguide Feed System | A2 (Poster Area) | Convened Poster 2-CS36 | Innovative Lens Antennas for Future Communication Systems | T02 Millimetre wave 5G / Convened Session / Antennas |
| Tubau, Ségolène | 19 Mar 2020 | 13:20 | 13:20 | A Compact and Broadband Four-Way Dual Polarization Waveguide Power Divider for Antenna Arrays | Exhibition Hall | Poster3-A14 | Poster Session 3: Active and integrated antennas | Antennas |
| Tufvesson, Fredrik | 17 Mar 2020 | 14:50 | 15:30 | Impact of Spatially Consistent Channels on Digital Beamforming for Millimeter-Wave Systems | A3 | IS-Tue 2/1 | Invited Speaker Session | Propagation |

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| Tuozzi, Alberto | 17 Mar 2020 | 13:20 | 13:20 | Modeling of a Realistic Hybrid Metal-Plasma Transmit-array with Beam-scanning Capabilities | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Turalchuk, Pavel A. | 17 Mar 2020 | 13:20 | 13:20 | Transmitarray Antenna for Converged Vortex Beam Generation and Steering | Exhibition Hall | Poster1-A19 | Poster Session 1: Reflect arrays and transmit arrays | Antennas |
| Turbic, Kenan | 17 Mar 2020 | 17:00 | 17:20 | Preliminary Empirical Validation of a Polarized Off-Body Channel Model with Dynamic Users | B6 | SW01 | COST Session CA15104 (IRACON): Measurements and Simulations in Channel Modelling in Wireless Body Area Networks | T05 Biomedical and health / Convened Session / Propagation |
| Turbic, Kenan | 18 Mar 2020 | 13:20 | 13:20 | A Preliminary Analysis of User's Body Impact on Signal Polarization in WBANs | Exhibition Hall | Poster2-P10 | Poster Session 2: Propagation in biological tissues and body-area propagation | Propagation |
| Turhaner, Arsen | 18 Mar 2020 | 13:20 | 13:20 | Wideband Tapered Slot Antenna for D-Band Applications | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Turunen, Matias | 19 Mar 2020 | 17:40 | 18:00 | Millimeter-Wave Automotive Radar Scheme with Passive Reflector for Blind Corner Conditions | B7 | T06-P12 | Radar, localisation and sensing for aircraft and automotive applications | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Propagation |
| Turvani, Giovanna | 17 Mar 2020 | 11:20 | 11:40 | Portable 3-D Microwave Imaging System for Cerebrovascular Diseases Monitoring | B7 | SW02 | COST Session CA17115 (MyWAVE): Developments in Electromagnetic-Based Medical Technologies | T05 Biomedical and Health / Convened Session / Electromagnetics |
| Tuytens, Frank | 20 Mar 2020 | 09:30 | 09:50 | Joint Antenna-Channel Modelling for in-to-out-Body Propagation of Dairy Cows at 868 MHz | B11 | CS20 | Assessment and Modeling of Antennas and Radio Channels Jointly | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Tyagi, Vartika | 19 Mar 2020 | 18:00 | 18:20 | UWB Planar Bias-switched Imaging Array for Breast-Cancer Screening | B6 | T05-A12/3 | Body area antennas and sensor systems | T05 Biomedical and health / Regular Session / Antennas |
| Tyc, Tomáš | 16 Mar 2020 | 14:50 | 15:10 | Design of an Impedance-Matched Horn Antenna with Enhanced Directivity Using Conformal Transformation Optics | B8 | T09-A09 | Millimetre wave lens antennas for space applications | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Tzihat, Empliouk | 17 Mar 2020 | 13:20 | 13:20 | Design of Millimeter Wave True-Time-Delay Beam-formers for 5G Wireless Systems | A2 (Poster Area) | Convened Poster 1-CS10 | Antenna Array and Integrated Systems for 5G Communication Applications | T02 Millimetre wave 5G / Convened Session / Antennas |
| Uchida, Daisuke | 17 Mar 2020 | 13:20 | 13:20 | Maximum Ratio Transmission for OAM Mode Multiplexing Using Multiple UCAs | Exhibition Hall | Poster1-A22 | Poster Session 1: MIMO, diversity, smart antennas & signal processing | Antennas |
| Ucuncu, Gokhan | 19 Mar 2020 | 13:20 | 13:20 | A 2-18 GHz Semi-Omnidirectional Antenna | Exhibition Hall | Poster3-A16 | Poster Session 3: UWB antennas and time-domain techniques | Antennas |
| Ugurlu, Elvan | 17 Mar 2020 | 13:20 | 13:20 | Remote Monitoring and Propagation Modeling of EM Side-Channel Signals for IoT Device Security | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Ukkonen, Leena | 16 Mar 2020 | 17:20 | 17:40 | Protective Coating Methods for Glove-Integrated RFID Tags - A Preliminary Study | B6 | T05-A12/1 | Wearable and implantable antennas | T05 Biomedical and health / Regular Session / Antennas |
| Ukkonen, Leena | 17 Mar 2020 | 17:20 | 17:40 | Headband Antenna for Wireless Power Transfer to Millimeter-Sized Neural Implants with Minimal Misalignment Effects | A2 | T04-A20 | Wireless power transfer and inductive coupling | T04 IoT and M2M / Regular Session / Antennas |
| Ukkonen, Leena | 19 Mar 2020 | 13:20 | 13:20 | Circularly Polarized Corner-Truncated and Slotted Microstrip Patch Antenna on Textile Substrate for Wearable Passive UHF RFID Tags | Exhibition Hall | Poster3-A12 | Poster Session 3: Wearable and implantable antennas | Antennas |
| Ukkonen, Leena | 19 Mar 2020 | 15:30 | 16:10 | Antennas for Small Biomedical Brain Implants | A3 | IS-Thu 2/2 | Invited Speaker Session | Antennas |
| Ullah, Atta | 17 Mar 2020 | 11:40 | 12:00 | A New Broadband MIMO Antenna System for Sub 6 GHz 5G Cellular Communications | B10 | CS39 | Machine Learning in Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Ullah, Irfan | 17 Mar 2020 | 16:40 | 17:00 | Tag Design for RFID AC Current Sensing System | B2 | T04-A15 | RFID and backscattering antennas | T04 IoT and M2M / Regular Session / Antennas |
| Ullmann, Ingrid | 19 Mar 2020 | 13:20 | 13:20 | 3D Printed Helix Antenna for 77 GHz | Exhibition Hall | Poster3-A21 | Poster Session 3: Additive manufacturing | Antennas |
| Umar, Muhammad | 20 Mar 2020 | 11:40 | 12:00 | Analysis of Substrate Parameters' Variations in a PCB-based 60 GHz GCPW Marchand Balun Design | B2 | T02-M08 | Mm-wave, THz, and quasi-optical antenna measurements | T02 Millimetre wave 5G / Regular Session / Measurements |
| Ung, Daniel | 17 Mar 2020 | 17:00 | 17:20 | Analysis of the Loading Effect of Faulty LNAs on Embedded Element Patterns in the Murchison Widefield Array | B8 | CS15 | Antennas for Radio Astronomy | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Unterhuber, Paul | 16 Mar 2020 | 17:00 | 17:20 | Path Loss Models and Large Scale Fading Statistics for C-Band Train-to-Train Communication | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Uysal, Faruk | 19 Mar 2020 | 10:40 | 11:00 | System Level Synchronization of Phase-Coded FMCW Automotive Radars for RadCom | B5 | CS25 | Convergence of Mobile Radio and Radar | T08 Positioning, localization & tracking / Convened Session / Propagation |
| Vahabzadeh, Yousef | 16 Mar 2020 | 16:40 | 17:00 | Enforcing Local Power Conservation for Metasurface Design Using Electromagnetic Inversion | B11 | T11-E08 | Metamaterials, metasurfaces and advanced materials | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Val, Iñaki | 16 Mar 2020 | 13:50 | 14:10 | Emulation of End-To-End Communications Systems in Railway Scenarios: Physical Layer Results | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Valenzuela, Reinaldo | 19 Mar 2020 | 12:00 | 12:20 | Analytic Propagation Approximation over Variable Terrain and Comparison to Data | B1 | T01-P02 | Propagation modelling and simulation | T01 LTE and Sub-6GHz 5G / Regular Session / Propagation |
| Valenzuela-Valdés, Juan | 16 Mar 2020 | 14:50 | 15:10 | Holey and Pinned Structures Comparison for Waveguide Phase Shifters | B1 | SW04 | COST Session CA18223 (SyMat): Periodic Structures with Higher Symmetries | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Valenzuela-Valdés, Juan | 18 Mar 2020 | 13:20 | 13:20 | Design of Compact H-plane SIW Antenna at Ka Band | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Valerio, Guido | 16 Mar 2020 | 16:00 | 16:20 | Reconfigurable Microwave Components Using Glide-symmetric Pin-loaded Parallel Plates | B1 | SW04 | COST Session CA18223 (SyMat): Periodic Structures with Higher Symmetries | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Valerio, Guido | 16 Mar 2020 | 16:40 | 17:00 | Mode-matching Analysis of Loaded Transmission Lines with Twist Symmetries | B1 | SW04 | COST Session CA18223 (SyMat): Periodic Structures with Higher Symmetries | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |

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| Valerio, Guido | 16 Mar 2020 | 14:10 | 14:30 | Degenerate Band Edge Resonances in Air-filled Substrate Integrated Waveguide | B11 | T11-E08 | Metamaterials, metasurfaces and advanced materials | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Valerio, Guido | 16 Mar 2020 | 17:40 | 18:00 | Propagation Characteristics in Substrate Integrated Holey Metasurfaces | B11 | T11-E08 | Metamaterials, metasurfaces and advanced materials | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Valerio, Guido | 17 Mar 2020 | 08:50 | 09:10 | Elliptical Glide-Symmetric Holey Metasurfaces for Wideband Anisotropy | B9 | CS09 | Analytical and Numerical Methods for Metasurface Analysis and Design | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Valero-Nogueira, Alejandro | 17 Mar 2020 | 13:20 | 13:20 | Mechanical Phase Shifter in Gap-Waveguide Technology | A2 (Poster Area) | Convened Poster 1-CS19 | Applications of mm-Wave Gap Waveguide Technology-II | T02 Millimetre wave 5G / Convened Session / Antennas |
| Valero-Nogueira, Alejandro | 18 Mar 2020 | 13:20 | 13:20 | A Novel Circularly-Polarized T-shaped Slot Array Antenna in Ka-band | Exhibition Hall | Poster2-A10 | Poster Session 2: Slotted-waveguide and leaky-wave antennas | Antennas |
| Valipour, Mahsa | 18 Mar 2020 | 13:20 | 13:20 | Beamwidth Control of a Helical Antenna Using Truncated Conical Plasma Reflectors | Exhibition Hall | Poster2-A01 | Poster Session 2: Antenna theory | Antennas |
| Valkama, Mikko | 19 Mar 2020 | 17:40 | 18:00 | Millimeter-Wave Automotive Radar Scheme with Passive Reflector for Blind Corner Conditions | B7 | T06-P12 | Radar, localisation and sensing for aircraft and automotive applications | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Propagation |
| Valtr, Pavel | 17 Mar 2020 | 13:20 | 13:20 | On Separation of Wet Antenna Effects from Rain Attenuation Measurements | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| van Berkel, Sven | 20 Mar 2020 | 11:00 | 11:20 | Experimental Validation of System NEP of a Single-Pixel THz Imaging Camera in CMOS | B2 | T02-M08 | Mm-wave, THz, and quasi-optical antenna measurements | T02 Millimetre wave 5G / Regular Session / Measurements |
| van den Biggelaar, Antonius Johannes | 17 Mar 2020 | 13:20 | 13:20 | 64 Element Active Phased Array as Focal Plane Array Feed for Reflector Antennas for mm-Wave Wireless Communications | Exhibition Hall | Poster1-A18 | Poster Session 1: Reflector, feed systems, and components | Antennas |
| van den Biggelaar, Antonius Johannes | 19 Mar 2020 | 13:20 | 13:20 | Post-Manufacturing Calibration Procedure for Medium-Sized Silicon-Based Active Phased Arrays for mm-Wave Wireless Communications | Exhibition Hall | Poster3-A14 | Poster Session 3: Active and integrated antennas | Antennas |
| Van den Bossche, Matthias | 20 Mar 2020 | 11:40 | 12:00 | Massive Radio Channel Sounder Architecture for 5G Mobility Scenarios: MaMIMOSA | B11 | CS20 | Assessment and Modeling of Antennas and Radio Channels Jointly | T10 EM modelling and simulation tools / Convened Session / Antennas |
| van der Vorst, Maarten | 18 Mar 2020 | 08:50 | 09:10 | Analysis Methods for Multimoded Horns for Future THz Missions (SAFARI Instrument for SPICA) | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| van Katwijk, Alexander J | 17 Mar 2020 | 16:40 | 17:00 | Design of Wideband Wide-Scanning Dual-Polarized Phased Array Covering Simultaneously Both the Ku- And the Ka-Satcom Bands | A3 | CS56 | Recent Advances on Electronically Steerable Antenna Arrays at mm-Wave Frequencies | T02 Millimetre wave 5G / Convened Session / Antennas |
| van Nunen, Tom | 16 Mar 2020 | 17:20 | 17:40 | Electromagnetic Field Modeling for Wireless Power Transfer in Biological Tissue | B9 | CS43 | Near- and Far-Field Wireless Power Transfer | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| van Rhoon, Gerard C. | 17 Mar 2020 | 09:10 | 09:30 | Influence of the BSD-2000 3D/MR Hyperthermia Applicator on MR Image Quality: A Quantitative Assessment | B7 | SW02 | COST Session CA17115 (MyWAVE): Developments in Electromagnetic-Based Medical Technologies | T05 Biomedical and Health / Convened Session / Electromagnetics |
| van Schelven, Ralph | 17 Mar 2020 | 13:20 | 13:20 | Efficient Waveguide Power Combiners at mm-Wave Frequencies | A2 (Poster Area) | Convened Poster 1-CS17 | Antennas with Multi-Port/Distributed Feeding and On-Antenna Power-Combining for Efficient Integration and Reconfigurability | T02 Millimetre wave 5G / Convened Session / Antennas |
| van Schelven, Ralph | 19 Mar 2020 | 18:00 | 18:20 | On the Design of Bulk Absorbers at THz Frequencies | A2 | CS42 | Nano and Quantum Antennas | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Van Torre, Patrick | 17 Mar 2020 | 18:00 | 18:20 | Experimental Parameter Optimization for Adaptive LoRa Modulation in Body-Centric Applications | B6 | SW01 | COST Session CA15104 (IRACON): Measurements and Simulations in Channel Modelling in Wireless Body Area Networks | T05 Biomedical and health / Convened Session / Propagation |
| van Vliet, Frank | 20 Mar 2020 | 11:00 | 11:20 | Skewed Dipole Linear Array for Angular Filtering | B7 | T06-A11 | Aircraft antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Vandborg, Mads | 18 Mar 2020 | 13:20 | 13:20 | Water-Based Microwave Antennas | A2 (Poster Area) | Convened Poster 2-CS29 | Exotic Antennas from Nano to Macro Scales | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Vande Ginste, Dries | 17 Mar 2020 | 08:50 | 09:10 | Machine Learning-Based Hybrid Random-Fuzzy Modeling Framework for Antenna Design | B10 | CS39 | Machine Learning in Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Vandenbosch, Guy | 17 Mar 2020 | 13:20 | 13:20 | On-Chip Micromachined Dielectric Resonator Antennas Loaded with Parasitic Circular/Crescent Patch for mm-Wave Applications | Exhibition Hall | Poster1-A07 | Poster Session 1: Dielectric resonator antennas | Antennas |
| Vandenbosch, Guy | 17 Mar 2020 | 18:00 | 18:20 | A 5G Active Antenna Tile and Its Characterization in a Reverberation Chamber | B5 | CS28 | EuMA/EurAAP Session: From Radiating Section to Digital Interface - Research and Design Trends for an End-To-End Approach of Highly Integrated Active Antenna Systems | T02 Millimetre wave 5G / Convened Session / Antennas |
| Vandenbosch, Guy | 17 Mar 2020 | 17:00 | 17:20 | Towards the Realization of the E-Wall Concept at Mm-Waves | A3 | CS56 | Recent Advances on Electronically Steerable Antenna Arrays at mm-Wave Frequencies | T02 Millimetre wave 5G / Convened Session / Antennas |
| Vandenbosch, Guy | 18 Mar 2020 | 09:50 | 10:10 | A Multi-Functional Compact Button Antenna for Wearable Applications | B2 | CS62 | Small Antenna in a Human Body Environment | T04 IoT and M2M / Convened Session / Antennas |
| Vandenbosch, Guy | 18 Mar 2020 | 14:50 | 15:30 | A Holy Grail Quest: The Concept of Stored Electromagnetic Energy | A2 | IS-Wed 1/1 | Invited Speaker Session | Electromagnetics |

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| Vandenbosch, Guy | 19 Mar 2020 | 09:30 | 09:50 | On a Fresnel-Integrals-Based Back-Scattering Model at Millimeter-Waves | B1 | T02-P02 | Millimetre wave propagation modelling | T02 Millimetre wave 5G / Regular Session / Propagation |
| Vandenbosch, Guy | 19 Mar 2020 | 13:20 | 13:20 | Pulsed 2D ElectroMagnetic Field Propagation in a Rectangular Waveguide | Exhibition Hall | Poster3-A16 | Poster Session 3: UWB antennas and time-domain techniques | Antennas |
| Vandenbosch, Guy | 19 Mar 2020 | 13:20 | 13:20 | A Hybrid SSPs-EBG Filter with Glide Symmetry for 5G Applications | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Vandenbosch, Guy | 19 Mar 2020 | 17:40 | 18:00 | Modal Analysis of Deep Nanoscale Plasmonic Structures: Nonlocal Hydrodynamic Approach | A2 | CS42 | Nano and Quantum Antennas | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Vanderklugt, Alex | 18 Mar 2020 | 11:40 | 12:00 | Aircraft Measurements of the Marine Surface Layer Refractive Index During the TAPS Campaign | B10 | T11-P04 | Experimental methods and campaigns | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Vanderklugt, Alex | 18 Mar 2020 | 12:00 | 12:20 | Observations and Modelling of Propagation Loss in the Turbulent Sea Surface Environment | B10 | T11-P04 | Experimental methods and campaigns | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Varault, Stefan | 18 Mar 2020 | 13:20 | 13:20 | Three-Dimensional Frequency Selective Surface for Single-Polarized Filtering Applications with Angular Stability | Exhibition Hall | Poster2-E07 | Poster Session 2: Frequency and polarization selective surfaces | Electromagnetics |
| Vardaxoglou, J (Yiannis) | 16 Mar 2020 | 14:50 | 15:10 | Cold Sintered CaTiO ₃ -K ₂ MoO ₄ Microwave Dielectric Ceramics for Integrated Microstrip Patch Antennas | B11 | T11-E08 | Metamaterials, metasurfaces and advanced materials | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Vardaxoglou, J (Yiannis) | 16 Mar 2020 | 15:10 | 15:30 | Fabrication of Artificial Dielectrics via Stereolithography Based 3D-Printing | B11 | T11-E08 | Metamaterials, metasurfaces and advanced materials | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Vardaxoglou, J (Yiannis) | 18 Mar 2020 | 13:20 | 13:20 | Quasi-Periodic Metasurfaces and Their Equivalent Dielectric Models | A2 (Poster Area) | Convened Poster 2-CS41 | Metasurfaces for Mobile (5G and Beyond) and Satellite Communication Systems | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Varma, Sachit | 19 Mar 2020 | 17:20 | 17:40 | 3D Printed All-GNSS Bands Miniaturized Antenna and Array for Robust Satellite Navigation | B5 | CS31 | GNSS Antennas and Systems for Challenged RF Environment | T08 Positioning, localization & tracking / Convened Session / Antennas |
| Varma, Sachit | 20 Mar 2020 | 10:40 | 11:00 | Dual Band GNSS Antenna with High Back Lobe Suppression | B7 | T06-A11 | Aircraft antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Varum, Tiago | 16 Mar 2020 | 17:00 | 17:20 | Inexpensive 3D-Printed Radiating Horns for Customary Things in IoT Scenarios | B2 | T04-A08 | IoT antennas | T04 IoT and M2M / Regular Session / Antennas |
| Varum, Tiago | 17 Mar 2020 | 18:00 | 18:20 | Reconfigurable Filtenna for 5G/LEO Constellations Mobile Terminals | B1 | CS58 | Reconfigurable Antennas for Compact Devices | T04 IoT and M2M / Convened Session / Antennas |
| Vassilev, Vessen | 17 Mar 2020 | 13:20 | 13:20 | Packaging Technique of Highly Integrated Circuits Based on EBG Structure for +100 GHz Applications | A2 (Poster Area) | Convened Poster 1-CS18 | Applications of mm-Wave Gap Waveguide Technology-I | T02 Millimetre wave 5G / Convened Session / Antennas |
| Vaughan, Rodney | 16 Mar 2020 | 17:40 | 18:00 | On the Accuracy of Standard Gain Horn Measurement | B7 | T06-M03 | Near-field, far-field, compact and RCS range measurement techniques | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Measurements |
| Vaughan, Rodney | 17 Mar 2020 | 13:20 | 13:20 | Off-the-shelf Optical Antenna Feed System | Exhibition Hall | Poster1-M03 | Poster Session 1: Near-field, far-field, compact and RCS range measurement techniques | Measurements |
| Vaughan, Rodney | 20 Mar 2020 | 11:00 | 11:20 | 3D Simulation of Infinite Baffle Diffraction | B9 | T10-P02 | Propagation modelling and simulation | T10 EM modelling and simulation tools / Regular Session / Propagation |
| Vauhkonen, Marko | 18 Mar 2020 | 09:50 | 10:10 | Microwave Tomography for Estimating Moisture Content Distribution in Porous Foam Using Neural Networks | B10 | T11-P02/2 | Machine Learning in Radio Propagation | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Vaupel, Thomas | 18 Mar 2020 | 13:20 | 13:20 | Accuracy and Modeling Improvements for an Integral Equation Framework Applied to Thin Layer Microstrip and Substrate Integrated Waveguide (SIW) Structures | Exhibition Hall | Poster2-E03 | Poster Session 2: Computational and numerical techniques | Electromagnetics |
| Vazquez-Roy, Jose-Luis | 17 Mar 2020 | 13:20 | 13:20 | Considerations in Designing Inverted Microstrip Gap Waveguide Components | A2 (Poster Area) | Convened Poster 1-CS19 | Applications of mm-Wave Gap Waveguide Technology-II | T02 Millimetre wave 5G / Convened Session / Antennas |
| Vazquez-Roy, Jose-Luis | 18 Mar 2020 | 13:20 | 13:20 | High-gain Resonant Continuous Transverse Stub Array Using Ridge Gap-Waveguide Technology | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Veasey, Martin | 18 Mar 2020 | 12:00 | 12:20 | Observations and Modelling of Propagation Loss in the Turbulent Sea Surface Environment | B10 | T11-P04 | Experimental methods and campaigns | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Vecchi, Giuseppe | 17 Mar 2020 | 10:40 | 11:00 | Fast Antenna Array Characterization with Numerical Basis Functions | B4 | T10-M10 | General Antenna Measurements | T10 EM modelling and simulation tools / Regular Session / Measurements |
| Vecchi, Giuseppe | 17 Mar 2020 | 18:00 | 18:20 | Liquid Crystal-based Reconfigurable Metasurface for Beam Scanning at Millimeter Wave Frequencies | A3 | CS56 | Recent Advances on Electronically Steerable Antenna Arrays at mm-Wave Frequencies | T02 Millimetre wave 5G / Convened Session / Antennas |
| Vecchi, Giuseppe | 19 Mar 2020 | 10:40 | 11:00 | Diagnostics on Electrically Large Structures by a Nested Skeletonization Scheme Enhancement of the Equivalent Current Technique | B10 | CS07 | AMTA/EurAAP Session: Post Processing Techniques in Antenna Measurements | T11 Fundamental research and emerging technologies / Convened Session / Measurements |
| Vecchi, Giuseppe | 19 Mar 2020 | 12:00 | 12:20 | Temperature-Corrected SAR Focusing in Cancer Hyperthermia | B7 | T11-P10 | Propagation in biological tissues | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Vecchi, Giuseppe | 19 Mar 2020 | 16:40 | 17:00 | Equivalent Source Technique Processing of Broadband Antenna Measurements | B10 | CS48 | Novel Antenna Measurement Data Analysis and Techniques | T11 Fundamental research and emerging technologies / Convened Session / Measurements |
| Vecchi, Giuseppe | 20 Mar 2020 | 09:10 | 09:30 | Gaussian Horn Implemented by Metasurfaces | B1 | CS33 | IET Session: New Antenna Systems Involving Application of Metamaterials and Metasurfaces | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Vehviläinen, Juho | 17 Mar 2020 | 13:20 | 13:20 | Monitoring of Snow Cover Properties Using Active and Passive Microwave Sensors in Boreal Forests: Implications of Variable Canopy Transmissivity | A2 (Poster Area) | Convened Poster 1-CS08 | Analysis, Design and Use of Microwave Techniques, Models, Systems, and Antennas for Snowpack Avalanches Monitoring | T08 Positioning, localization & tracking / Convened Session / Propagation |

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|-----------------------|-------------|-------|-------|--|------------------|------------------------|---|---|
| Veit, David | 16 Mar 2020 | 16:40 | 17:00 | Impact of UWB Antennas on Ranging Accuracy | B5 | T08-A17 | Antennas and techniques for positioning and direction finding | T08 Positioning, localization & tracking / Regular Session / Antennas |
| Velander, Jacob | 19 Mar 2020 | 13:20 | 13:20 | Design of Constant Width Branch Line Directional Coupler for the Microwave Sensing Application | Exhibition Hall | Poster3-M11 | Poster Session 3: Other measurement topics | Measurements |
| Veljovic, Miroslav J. | 17 Mar 2020 | 13:20 | 13:20 | Circularly Polarized Axially Corrugated Feed Horn for CubeSat Reflectarray Applications | Exhibition Hall | Poster1-A18 | Poster Session 1: Reflector, feed systems, and components | Antennas |
| Veljovic, Miroslav J. | 18 Mar 2020 | 11:20 | 11:40 | Antenna for a Cranial Implant: Simulation Issues and Design Strategies | B2 | CS62 | Small Antenna in a Human Body Environment | T04 IoT and M2M / Convened Session / Antennas |
| Vellucci, Stefano | 18 Mar 2020 | 13:20 | 13:20 | Latest Developments on Non-linear and Time-varying Metasurfaces and Topological Antennas | A2 (Poster Area) | Convened Poster 2-CS50 | Novel Wave Phenomena in Metamaterials and Metasurfaces Applied to Antennas and Propagation | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Vera-Isasa, María | 17 Mar 2020 | 09:10 | 09:30 | Effects of the Antenna Measurement Uncertainties on the Estimation of the Differential Reflectivity | B4 | T11-M02 | Radar scattering measurement and calibration techniques | T11 Fundamental research and emerging technologies / Regular Session / Measurements |
| Verdugo, Elizabeth | 18 Mar 2020 | 11:20 | 11:40 | Signal Reception Measurements Using Mobile HD Radio and DRM Systems in Two Urban Regions in Brazil | B10 | T11-P04 | Experimental methods and campaigns | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Vergara Gomez, Tania | 17 Mar 2020 | 13:20 | 13:20 | Hybridized Electric Dipoles Applications in Ultra-High Field MRI | A2 (Poster Area) | Convened Poster 1-CS27 | Electromagnetics in MRI Applications | T05 Biomedical and health / Convened Session / Electromagnetics |
| Vergara Gomez, Tania | 17 Mar 2020 | 13:20 | 13:20 | Experimental Validation of the Concept of an Opencage Head Coil for Ultra-High Field MRI | A2 (Poster Area) | Convened Poster 1-CS27 | Electromagnetics in MRI Applications | T05 Biomedical and health / Convened Session / Electromagnetics |
| Verloock, Leen | 20 Mar 2020 | 09:30 | 09:50 | Joint Antenna-Channel Modelling for in-to-out-Body Propagation of Dairy Cows at 868 MHz | B11 | CS20 | Assessment and Modeling of Antennas and Radio Channels Jointly | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Vermeeren, Gunter | 16 Mar 2020 | 13:50 | 14:10 | Multilayer Ultra-Miniature Loop Antenna for Insertable Pill Application | B6 | T05-A12/1 | Wearable and implantable antennas | T05 Biomedical and health / Regular Session / Antennas |
| Vermeeren, Gunter | 17 Mar 2020 | 13:20 | 13:20 | Combined Antenna-Channel Characterization for Wireless Communication from Horse Hoof to Base Station | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Vermeeren, Gunter | 20 Mar 2020 | 09:30 | 09:50 | Joint Antenna-Channel Modelling for in-to-out-Body Propagation of Dairy Cows at 868 MHz | B11 | CS20 | Assessment and Modeling of Antennas and Radio Channels Jointly | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Vermeeren, Gunter | 20 Mar 2020 | 11:40 | 12:00 | Massive Radio Channel Sounder Architecture for 5G Mobility Scenarios: MaMIMOSA | B11 | CS20 | Assessment and Modeling of Antennas and Radio Channels Jointly | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Vertegaal, Niels | 19 Mar 2020 | 13:20 | 13:20 | Post-Manufacturing Calibration Procedure for Medium-Sized Silicon-Based Active Phased Arrays for mm-Wave Wireless Communications | Exhibition Hall | Poster3-A14 | Poster Session 3: Active and integrated antennas | Antennas |
| Vesterdal, Niels | 18 Mar 2020 | 14:50 | 15:30 | Computational Electromagnetics in Space | A3 | IS-Wed 2/1 | Invited Speaker Session | Electromagnetics |
| Vesterdal, Niels | 19 Mar 2020 | 17:00 | 17:20 | Design of Advanced Reflectarrays for Future CubeSat Applications | B11 | SW05 | ESA Session: Selected Papers from the 40th ESA Workshop on Antenna Developments for Terrestrial and Small-Space Platforms | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Vico Trivino, Ismael | 18 Mar 2020 | 11:20 | 11:40 | Antenna for a Cranial Implant: Simulation Issues and Design Strategies | B2 | CS62 | Small Antenna in a Human Body Environment | T04 IoT and M2M / Convened Session / Antennas |
| Vieira, Juner M. | 18 Mar 2020 | 13:20 | 13:20 | Compact UHF Printed Antennas for Nano-Satellites | Exhibition Hall | Poster2-A08 | Poster Session 2: Electrically small antennas | Antennas |
| Vignaud, Alexandre | 17 Mar 2020 | 13:20 | 13:20 | Hybridized Electric Dipoles Applications in Ultra-High Field MRI | A2 (Poster Area) | Convened Poster 1-CS27 | Electromagnetics in MRI Applications | T05 Biomedical and health / Convened Session / Electromagnetics |
| Vignaud, Alexandre | 17 Mar 2020 | 13:20 | 13:20 | Experimental Validation of the Concept of an Opencage Head Coil for Ultra-High Field MRI | A2 (Poster Area) | Convened Poster 1-CS27 | Electromagnetics in MRI Applications | T05 Biomedical and health / Convened Session / Electromagnetics |
| Viikari, Ville | 17 Mar 2020 | 08:30 | 08:50 | Dual-Polarized mm-Wave Antenna Solution for Mobile Phone | A2 | T02-A04/2 | Millimetre wave arrays for mobile terminals | T02 Millimetre wave 5G / Regular Session / Antennas |
| Viikari, Ville | 17 Mar 2020 | 08:50 | 09:10 | Dual-Band Dual-Polarized mm-Wave Slot Antenna Array for Mobile Handsets | A2 | T02-A04/2 | Millimetre wave arrays for mobile terminals | T02 Millimetre wave 5G / Regular Session / Antennas |
| Viikari, Ville | 17 Mar 2020 | 13:20 | 13:20 | Reducing User Effect on Mobile Antenna Systems with Antenna Cluster Technique | A2 (Poster Area) | Convened Poster 1-CS17 | Antennas with Multi-Port/Distributed Feeding and On-Antenna Power-Combining for Efficient Integration and Reconfigurability | T02 Millimetre wave 5G / Convened Session / Antennas |
| Viikari, Ville | 18 Mar 2020 | 13:20 | 13:20 | Characterizing 60 GHz Patch Antenna Segments for Fully Digital Transceiver | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Viikari, Ville | 19 Mar 2020 | 12:00 | 12:20 | Comparison of Different Antenna Cluster Weighting Methods | A2 | T01-A02 | Terminal antennas and interactions with surroundings | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Viikari, Ville | 19 Mar 2020 | 13:20 | 13:20 | Concept of Beam Steerable Transponder Based on Load Modulation | Exhibition Hall | Poster3-A15 | Poster Session 3: RFID antennas/sensors and systems | Antennas |
| Viikari, Ville | 19 Mar 2020 | 13:20 | 13:20 | Beam Optimization for 28 GHz Phased Array Utilizing Measurement Data | Exhibition Hall | Poster3-M10 | Poster Session 3: General antenna measurements | Measurements |
| Vilenskiy, Artem | 17 Mar 2020 | 13:20 | 13:20 | Phase Distribution Optimization for 1-Bit Transmitarrays with Near-Field Coupling Feeding Technique | A2 (Poster Area) | Convened Poster 1-CS17 | Antennas with Multi-Port/Distributed Feeding and On-Antenna Power-Combining for Efficient Integration and Reconfigurability | T02 Millimetre wave 5G / Convened Session / Antennas |
| Vilenskiy, Artem | 18 Mar 2020 | 13:20 | 13:20 | Antenna Mutual Coupling Effects in Highly Integrated Transmitter Arrays | Exhibition Hall | Poster2-A02 | Poster Session 2: Antenna interactions and coupling | Antennas |

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| Villemaud, Guillaume | 20 Mar 2020 | 09:30 | 09:50 | Full Duplex Spatial Modulation System Performance Depending on Self-Interference Cancellation Accuracy | A2 | T01-A22 | MIMO, diversity, smart antennas & signal processing | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Vincelj, Leo | 18 Mar 2020 | 13:20 | 13:20 | A Novel Design Methodology for Non-Foster Elements with Application in Broadband Self-oscillating Antennas | Exhibition Hall | Poster2-A08 | Poster Session 2: Electrically small antennas | Antennas |
| Vipiana, Francesca | 17 Mar 2020 | 11:20 | 11:40 | Portable 3-D Microwave Imaging System for Cerebrovascular Diseases Monitoring | B7 | SW02 | COST Session CA17115 (MyWAVE): Developments in Electromagnetic-Based Medical Technologies | T05 Biomedical and Health / Convened Session / Electromagnetics |
| Vipiana, Francesca | 18 Mar 2020 | 11:20 | 11:40 | Microwave Imaging Device for In-Line Food Inspection | B9 | CS66 | Unconventional Techniques and Applications for Inverse Scattering Problems | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Vipiana, Francesca | 19 Mar 2020 | 09:30 | 09:50 | Reducing the Dimensionality of 6-D MoM Integrals Applying Twice the Divergence Theorem | B8 | CS30 | Fundamental Challenges and Novel Methodologies in the Next-Generation Computational Electromagnetics | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Vipiana, Francesca | 19 Mar 2020 | 13:20 | 13:20 | Reduced Size RFID Reader Antenna Based on Reconfigurable Feeding Network Realized with Artificial Transmission Lines | Exhibition Hall | Poster3-A15 | Poster Session 3: RFID antennas/sensors and systems | Antennas |
| Vipiana, Francesca | 20 Mar 2020 | 09:30 | 09:50 | Electromagnetic Virtual Prototyping of a Realistic 3-D Microwave Scanner for Brain Stroke Imaging | B6 | SW06 | H2020 Session ID764479 (EMERALD): Electromagnetic Imaging for a Novel Generation of Medical Devices | T05 Biomedical and health / Convened Session / Electromagnetics |
| Virdee, Bal | 16 Mar 2020 | 17:00 | 17:20 | Impedance Matching Network Based on Bianisotropic Metasurfaces for Antennas Operating at High Microwave, Millimeter-Wave or Terahertz Frequencies | B11 | T11-E08 | Metamaterials, metasurfaces and advanced materials | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Virdee, Bal | 17 Mar 2020 | 09:50 | 10:10 | Metasurface Structures with Bianisotropic Characteristics for Wide-Angle Impedance Matching in Phased-Array Antennas | B9 | CS09 | Analytical and Numerical Methods for Metasurface Analysis and Design | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Virkki, Johanna | 16 Mar 2020 | 17:20 | 17:40 | Protective Coating Methods for Glove-Integrated RFID Tags - A Preliminary Study | B6 | T05-A12/1 | Wearable and implantable antennas | T05 Biomedical and health / Regular Session / Antennas |
| Virkki, Johanna | 19 Mar 2020 | 17:20 | 17:40 | Passive RFID-based Textile Touchpad | B6 | T05-A12/3 | Body area antennas and sensor systems | T05 Biomedical and health / Regular Session / Antennas |
| Virone, Giuseppe | 17 Mar 2020 | 13:20 | 13:20 | C Band Self Diplexed Tx/Rx Feed System for Telecom | Exhibition Hall | Poster1-A18 | Poster Session 1: Reflector, feed systems, and components | Antennas |
| Virone, Giuseppe | 17 Mar 2020 | 16:40 | 17:00 | Characteristic Mode Analysis of Multi-Octave Asymmetric Dipoles | B8 | CS15 | Antennas for Radio Astronomy | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Virone, Giuseppe | 18 Mar 2020 | 11:20 | 11:40 | Comparison Between Measured and Simulated Antenna Patterns for a LOFAR LBA Array | B11 | T06-M10 | UAV-Based Antenna Measurements (AMTA) | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Measurements |
| Virone, Giuseppe | 18 Mar 2020 | 11:40 | 12:00 | A Drone-Mounted Q-Band Test-Source for the Validation of the Large Scale Polarization Explorer | B11 | T06-M10 | UAV-Based Antenna Measurements (AMTA) | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Measurements |
| Virone, Giuseppe | 18 Mar 2020 | 13:20 | 13:20 | Preliminary Analysis of the Effects of the Ground Plane on the Element Patterns of SKA1-Low | Exhibition Hall | Poster2-A02 | Poster Session 2: Antenna interactions and coupling | Antennas |
| Visser, Hubregt J. | 16 Mar 2020 | 17:20 | 17:40 | Electromagnetic Field Modeling for Wireless Power Transfer in Biological Tissue | B9 | CS43 | Near- and Far-Field Wireless Power Transfer | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Vittimberga, Andrea | 17 Mar 2020 | 13:20 | 13:20 | Satellite Link-Budget Statistical Prediction from Weather Forecast Models: Verification with Hayabusa-2 Ka-band Data | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Vitucci, Enrico M. | 17 Mar 2020 | 13:20 | 13:20 | Transmission Loss Evaluation for Fabry-Perot Materials' Characterization | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Vitucci, Enrico M. | 17 Mar 2020 | 17:40 | 18:00 | Dynamic Ray Tracing: Introduction and Concept | B7 | CS03 | Advanced Radar Measurements, Modelling and System Solutions for Vehicular Applications | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Convened Session / Measurements |
| Vizzari, Jean-Francois | 18 Mar 2020 | 13:20 | 13:20 | Transmit-array Antenna Design for Broadband Backhaul 5G Communications at WIGIG Band | A2 (Poster Area) | Convened Poster 2-CS36 | Innovative Lens Antennas for Future Communication Systems | T02 Millimetre wave 5G / Convened Session / Antennas |
| Vladilenovich Minin, Igor | 18 Mar 2020 | 13:20 | 13:20 | High-gain and Low-profile Dielectric Cuboid Antenna at J-band | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Vladilenovich Minin, Oleg | 18 Mar 2020 | 13:20 | 13:20 | High-gain and Low-profile Dielectric Cuboid Antenna at J-band | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Voigt, Thiemo | 19 Mar 2020 | 09:30 | 09:50 | Non-Invasive Transmission Based Tumor Detection Using Anthropomorphic Breast Phantom at 2.45 GHz | B6 | T05-A12/2 | Point of Care Microwave Sensors | T05 Biomedical and health / Regular Session / Antennas |
| Vojnovic, Nebojsa | 18 Mar 2020 | 11:40 | 12:00 | On the Use of Spherical Harmonics in Sparse Microwave Imaging | B9 | CS66 | Unconventional Techniques and Applications for Inverse Scattering Problems | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| vom Bögel, Gerd | 19 Mar 2020 | 13:20 | 13:20 | Temperature Characterization of High-Q Resonators of Different Materials for mm-Wave Indoor Localization Tag Landmarks | Exhibition Hall | Poster3-A21 | Poster Session 3: Additive manufacturing | Antennas |
| Voronovich, Alexander G. | 18 Mar 2020 | 13:20 | 13:20 | Monitoring the Greenland and Antarctica Ice Sheets Using Ultra-Low-Frequency Electromagnetic Resonances | Exhibition Hall | Poster2-P13 | Poster Session 2: Radio science and remote sensing | Propagation |
| Vosoogh, Abbas | 19 Mar 2020 | 13:20 | 13:20 | A Compact Mass-producible E-band Bandpass Filter Based on Multi-layer Waveguide Technology | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |

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| Vrba, Jan | 16 Mar 2020 | 16:40 | 17:00 | Validation of Multilevel 24-Port Microwave Imaging System for Brain Stroke Monitoring on Synthetic Numerical Data | B8 | T05-E05 | Microwave imaging | T05 Biomedical and health / Regular Session / Electromagnetics |
| Vrba, Jan | 18 Mar 2020 | 09:30 | 09:50 | Advanced Temperature Dielectric Spectroscopy of Muscle Phantom at Microwave Frequencies | B6 | SW03 | COST Session CA17115 (MyWAVE): Supporting Medical Device Development via Dielectric and Thermal Tissue Characterization | T05 Biomedical and health / Convened Session / Measurements |
| Vrba, Jan | 20 Mar 2020 | 11:20 | 11:40 | Temperature Dependent Dielectric Properties of Tissue Mimicking Phantom Material in the Microwave Frequency Range | B6 | SW06 | H2020 Session ID764479 (EMERALD): Electromagnetic Imaging for a Novel Generation of Medical Devices | T05 Biomedical and health / Convened Session / Electromagnetics |
| Vucic, Mladen | 17 Mar 2020 | 13:20 | 13:20 | Global Optimization of Pencil Beams with Constrained Dynamic Range Ratio | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Vukovic, Ana | 18 Mar 2020 | 13:20 | 13:20 | PML Effectiveness in the Transmission Line Modelling Method for Radiation and Scattering Applications | Exhibition Hall | Poster2-E03 | Poster Session 2: Computational and numerical techniques | Electromagnetics |
| Vukovic, Ana | 19 Mar 2020 | 13:20 | 13:20 | Green Coordinates for Generation of Conformal Antenna Geometries | Exhibition Hall | Poster3-A06 | Poster Session 3: Conformal antennas | Antennas |
| Vukovic, Ana | 19 Mar 2020 | 13:20 | 13:20 | Impact of Lightning Diverter Strips on Antenna Radiation Patterns | Exhibition Hall | Poster3-M07 | Poster Session 3: Satellite and aerospace antenna characterisation | Measurements |
| Vukovic, Ana | 20 Mar 2020 | 11:40 | 12:00 | Time-Domain Modelling of Solid State RF Receiver Protection Systems | B9 | T10-P02 | Propagation modelling and simulation | T10 EM modelling and simulation tools / Regular Session / Propagation |
| Wada, Yasuaki | 19 Mar 2020 | 13:20 | 13:20 | Transmit and Receive Module with a Fully-Digital Interface | Exhibition Hall | Poster3-A14 | Poster Session 3: Active and integrated antennas | Antennas |
| Wagih, Mahmoud | 17 Mar 2020 | 17:40 | 18:00 | Sub-1 GHz Flexible Concealed Rectenna Yarn for High-Efficiency Wireless-Powered Electronic Textiles | A2 | T04-A20 | Wireless power transfer and inductive coupling | T04 IoT and M2M / Regular Session / Antennas |
| Wagih, Mahmoud | 19 Mar 2020 | 13:20 | 13:20 | Direct-Write Dispenser Printing for Rapid Antenna Prototyping on Thin Flexible Substrates | Exhibition Hall | Poster3-A21 | Poster Session 3: Additive manufacturing | Antennas |
| Walden, Marcus C | 18 Mar 2020 | 13:20 | 13:20 | Practical Low-Loss Substrate-Integrated-Waveguide Feed Network for mm-Wave PCB Antenna Designs | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Waldschmidt, Christian | 19 Mar 2020 | 09:10 | 09:30 | IQ-Imbalance Compensation for Wideband OFDM-Radar | B5 | CS25 | Convergence of Mobile Radio and Radar | T08 Positioning, localization & tracking / Convened Session / Propagation |
| Waldschmidt, Christian | 20 Mar 2020 | 11:40 | 12:00 | A Wideband 122 GHz Cavity-Backed Dipole Antenna for Millimeter-Wave Radar Altimetry | B7 | T06-A11 | Aircraft antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Walkenhorst, Brett | 17 Mar 2020 | 12:00 | 12:20 | Revisiting the Poincaré Sphere as a Representation of Polarization State | B4 | T10-M10 | General Antenna Measurements | T10 EM modelling and simulation tools / Regular Session / Measurements |
| Wallén, Henrik | 19 Mar 2020 | 08:50 | 09:10 | Characteristic Mode Equations for Non-Symmetric Surface Integral Operators | B8 | CS30 | Fundamental Challenges and Novel Methodologies in the Next-Generation Computational Electromagnetics | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Walter, Michael | 16 Mar 2020 | 14:10 | 14:30 | Large Scale Fading Characteristics for Vehicle-to-Cyclist Channel in Urban Environment at 5 GHz | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Walter, Michael | 16 Mar 2020 | 17:00 | 17:20 | Path Loss Models and Large Scale Fading Statistics for C-Band Train-to-Train Communication | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Walter, Michael | 19 Mar 2020 | 12:00 | 12:20 | Physical Modeling for Device-Free Localization Exploiting Multipath Propagation of Mobile Radio Signals | B5 | CS25 | Convergence of Mobile Radio and Radar | T08 Positioning, localization & tracking / Convened Session / Propagation |
| Wan, Fayu | 17 Mar 2020 | 13:20 | 13:20 | Reduction Technique of Differential Propagation Delay with Negative Group Delay Function | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Wang, BaoYi | 18 Mar 2020 | 09:50 | 10:10 | Reducing User Effects on Mobile Handset Antennas Using Mode Mapping | B1 | CS45 | New Perspectives and Applications of Characteristic Mode Analysis in Antenna Design | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Wang, Bing-Zhong | 19 Mar 2020 | 17:20 | 17:40 | Implementation Methods for Planar Wide-Angle Scanning Phased Array | A3 | CS49 | Novel Techniques for Beam Manipulation at Millimeter | T02 Millimetre wave 5G / Convened Session / Antennas |
| Wang, Bing-Zhong | 20 Mar 2020 | 12:00 | 12:20 | Asymmetric Metasurface Antenna with Opposite Currents for Wide Beam and Low Profile Wide-Angle Scanning Phased Array | B7 | T06-A11 | Aircraft antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Wang, Cheng-Xiang | 18 Mar 2020 | 13:20 | 13:20 | Modeling and Simulation for UAV Air-to-Ground mmWave Channels | Exhibition Hall | Poster2-P09 | Poster Session 2: Propagation for vehicular communications | Propagation |
| Wang, Dawei | 16 Mar 2020 | 14:50 | 15:10 | Cold Sintered CaTiO3-K2MoO4 Microwave Dielectric Ceramics for Integrated Microstrip Patch Antennas | B11 | T11-E08 | Metamaterials, metasurfaces and advanced materials | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Wang, Enlin | 17 Mar 2020 | 13:20 | 13:20 | A Compact Double-Layer Groove Gap Waveguide Power Divider with High Isolation | A2 (Poster Area) | Convened Poster 1-CS19 | Applications of mm-Wave Gap Waveguide Technology-II | T02 Millimetre wave 5G / Convened Session / Antennas |
| Wang, Ge | 16 Mar 2020 | 14:50 | 15:10 | Cold Sintered CaTiO3-K2MoO4 Microwave Dielectric Ceramics for Integrated Microstrip Patch Antennas | B11 | T11-E08 | Metamaterials, metasurfaces and advanced materials | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Wang, Guoyu | 19 Mar 2020 | 13:20 | 13:20 | Enhanced Double-Null Technique on General Planar Array for Two-Target Angular Resolution | Exhibition Hall | Poster3-M11 | Poster Session 3: Other measurement topics | Measurements |
| Wang, Haiming | 18 Mar 2020 | 13:20 | 13:20 | Double-Layer Machine Learning Assisted Optimization for Antenna Sensitivity Analysis | Exhibition Hall | Poster2-A01 | Poster Session 2: Antenna theory | Antennas |
| Wang, Hongjian | 17 Mar 2020 | 13:20 | 13:20 | Multi-frequency Dual-polarization Spaceborne Microwave Radiometer Antennas | Exhibition Hall | Poster1-A18 | Poster Session 1: Reflector, feed systems, and components | Antennas |

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|-------------------|-------------|-------|-------|---|------------------|------------------------|---|--|
| Wang, Hongjian | 17 Mar 2020 | 13:20 | 13:20 | A Triple-layer Wideband Transmitarray Antenna Using Finger-Type Slot Elements | Exhibition Hall | Poster1-A19 | Poster Session 1: Reflect arrays and transmit arrays | Antennas |
| Wang, Hua | 19 Mar 2020 | 13:20 | 13:20 | Measurement of OFDM Signals with PAPR Reduction in the Presence of Hardware Impairments | Exhibition Hall | Poster3-M09 | Poster Session 3: MIMO and OTA testing | Measurements |
| Wang, Hui | 16 Mar 2020 | 17:20 | 17:40 | Shadowing and Multipath-fading Statistics at 2.4 GHz and 39 GHz in Vehicle-to-Vehicle Scenarios | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Wang, Junbo | 16 Mar 2020 | 13:30 | 13:50 | Beam Steerable Reflectarray Enabling CubeSat Internet of Space: Conceptualization and Design | A2 | CS02 | Advanced Antenna Arrays for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Antennas |
| Wang, Kai | 16 Mar 2020 | 14:50 | 15:10 | Element Mutual Coupling Effect in a Wideband Planar Aperiodic Sparse Phased Array | B5 | T08-A17 | Antennas and techniques for positioning and direction finding | T08 Positioning, localization & tracking / Regular Session / Antennas |
| Wang, Lei | 17 Mar 2020 | 13:20 | 13:20 | A Novel 3D Beam Training Strategy for mmWave UAV Communications | Exhibition Hall | Poster1-P03 | Poster Session 1: Channel sounding and parameter estimation techniques | Propagation |
| Wang, Lei | 19 Mar 2020 | 13:20 | 13:20 | Wideband Substrate Integrated Luneburg Lens Using Glide-Symmetric Technology | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Wang, Luoshengbin | 19 Mar 2020 | 13:20 | 13:20 | Enhanced Double-Null Technique on General Planar Array for Two-Target Angular Resolution | Exhibition Hall | Poster3-M11 | Poster Session 3: Other measurement topics | Measurements |
| Wang, Mengchu | 20 Mar 2020 | 11:00 | 11:20 | Initial Guidelines to the Design of a Microwave Imaging System for Ablation Monitoring | B6 | SW06 | H2020 Session ID764479 (EMERALD): Electromagnetic Imaging for a Novel Generation of Medical Devices | T05 Biomedical and health / Convened Session / Electromagnetics |
| Wang, Peng-Yuan | 16 Mar 2020 | 16:00 | 16:20 | A Method of Side-lobe Suppression for Reactance Modulated Antennas | B5 | T08-A17 | Antennas and techniques for positioning and direction finding | T08 Positioning, localization & tracking / Regular Session / Antennas |
| Wang, Po-Kai | 19 Mar 2020 | 13:20 | 13:20 | Mechanically Circular Polarization Reconfigurable Antenna | Exhibition Hall | Poster3-A13 | Poster Session 3: Adaptive and reconfigurable antennas | Antennas |
| Wang, Ren | 19 Mar 2020 | 17:20 | 17:40 | Implementation Methods for Planar Wide-Angle Scanning Phased Array | A3 | CS49 | Novel Techniques for Beam Manipulation at Millimeter | T02 Millimetre wave 5G / Convened Session / Antennas |
| Wang, Sungsik | 19 Mar 2020 | 13:20 | 13:20 | Design of Dual-band Coupled-fed Dipole Array Antenna Element for PCL Systems | Exhibition Hall | Poster3-A11 | Poster Session 3: Multiband and wideband antennas | Antennas |
| Wang, Wei | 16 Mar 2020 | 14:10 | 14:30 | Large Scale Fading Characteristics for Vehicle-to-Cyclist Channel in Urban Environment at 5 GHz | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Wang, Wei | 16 Mar 2020 | 17:40 | 18:00 | Measurement and Diffuse Multipath Analysis of V2V Propagation Channel at 5.9 GHz in Tunnel Area | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Wang, Wei | 18 Mar 2020 | 13:20 | 13:20 | A Low-Profile Millimeter-Wave Circularly-Polarized Multilayer Waveguide Antenna Array for Satellite Communication Application | Exhibition Hall | Poster2-A10 | Poster Session 2: Slotted-waveguide and leaky-wave antennas | Antennas |
| Wang, Wenjing | 17 Mar 2020 | 13:20 | 13:20 | An Iterative Minimization Algorithm for Array Diagnosis in the Presence of Array Errors Using Amplitude-only Far Field Data | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Wang, Wenjun | 17 Mar 2020 | 13:20 | 13:20 | Matching and Decoupling Networks for Receive-only MRI Arrays | A2 (Poster Area) | Convened Poster 1-CS27 | Electromagnetics in MRI Applications | T05 Biomedical and health / Convened Session / Electromagnetics |
| Wang, Wenjun | 17 Mar 2020 | 13:20 | 13:20 | Enhanced Low Frequency MRI Using Flexible Shape Arrays Made of Standard Wire | A2 (Poster Area) | Convened Poster 1-CS27 | Electromagnetics in MRI Applications | T05 Biomedical and health / Convened Session / Electromagnetics |
| Wang, Wen-Qin | 16 Mar 2020 | 17:40 | 18:00 | Frequency Diverse Array Information Geometry Analysis | B5 | T08-A17 | Antennas and techniques for positioning and direction finding | T08 Positioning, localization & tracking / Regular Session / Antennas |
| Wang, Xiping | 17 Mar 2020 | 09:50 | 10:10 | Hybrid Channel Modeling for Intra-Wagon Communication in Millimeter-Wave Band | A3 | CS35 | IET/IRACON Session: Propagation Measurements and Modelling for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Wang, Xuchen | 17 Mar 2020 | 11:00 | 11:20 | Multifunctional Nonreciprocal Metasurfaces Based on Spatiotemporal Modulation | B9 | CS09 | Analytical and Numerical Methods for Metasurface Analysis and Design | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Wang, Xuchen | 18 Mar 2020 | 11:00 | 11:20 | Temporal Modulation of Bianisotropic Metasurfaces for Unidirectional Wave Amplification | B5 | CS47 | Non-Magnetic Nonreciprocity | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Wang, Yang | 17 Mar 2020 | 13:20 | 13:20 | Convergence of OAM Beams Using Time-Modulated Concentric Circular Arrays | Exhibition Hall | Poster1-A22 | Poster Session 1: MIMO, diversity, smart antennas & signal processing | Antennas |
| Wang, Yang | 17 Mar 2020 | 13:20 | 13:20 | Propagation Analysis of Terahertz OAM Waves in Atmospheric Turbulent Environment | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Wang, Yang | 17 Mar 2020 | 13:20 | 13:20 | Propagation Model for UCA-based OAM Communications in Six-Ray Canyon Channels | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Wang, Yang | 17 Mar 2020 | 13:20 | 13:20 | Mode Modulation Based Multi-Mode Transmitter for Line-of-Sight Propagation | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Wang, Yang | 18 Mar 2020 | 13:20 | 13:20 | Two-dimensional OAM Radar Imaging Using Uniform Circular Antenna Arrays | Exhibition Hall | Poster2-P12 | Poster Session 2: Radar, localisation, and sensing | Propagation |
| Wang, Yawen | 18 Mar 2020 | 13:20 | 13:20 | On the Second Order Statistics of 3D Non-Stationary UAV Channels Allowing Velocity Variations | Exhibition Hall | Poster2-P09 | Poster Session 2: Propagation for vehicular communications | Propagation |
| Wang, Yi | 17 Mar 2020 | 13:20 | 13:20 | Circuit-antenna Interactions in Multi-port Active Antennas | A2 (Poster Area) | Convened Poster 1-CS17 | Antennas with Multi-Port/Distributed Feeding and On-Antenna Power-Combining for Efficient Integration and Reconfigurability | T02 Millimetre wave 5G / Convened Session / Antennas |

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|-------------------------|-------------|-------|-------|--|------------------|------------------------|---|--|
| Wang, Yijin | 17 Mar 2020 | 09:30 | 09:50 | Embedded 60-GHz mm-Wave Antennas in Non-mm-Wave Antennas Integrating a Package (AiAiP) for Motion Recognition in a Full-Screen Metal-Framed Cell Phone | A2 | T02-A04/2 | Millimetre wave arrays for mobile terminals | T02 Millimetre wave 5G / Regular Session / Antennas |
| Wang, Yijin | 17 Mar 2020 | 09:50 | 10:10 | Embedded 5G Wideband Dual-Polarized mm-Wave Antennas in Non-mm-Wave Antennas Integrating a Package (AiAiP) for a Metal-Framed Cell Phone | A2 | T02-A04/2 | Millimetre wave arrays for mobile terminals | T02 Millimetre wave 5G / Regular Session / Antennas |
| Wang, You-Jiun | 19 Mar 2020 | 13:20 | 13:20 | Frequency Reconfigurable Self-oscillating Active Integrated Antenna Using Metamaterial Resonators and Diode Switches | Exhibition Hall | Poster3-A14 | Poster Session 3: Active and integrated antennas | Antennas |
| Wang, Yunxia | 17 Mar 2020 | 13:20 | 13:20 | Processing Azimuth-Time Domain Aliasing in Spaceborne Sliding-Spotlight SAR Imaging | Exhibition Hall | Poster1-M04 | Poster Session 1: Data acquisition, imaging algorithms and processing methods | Measurements |
| Wang, Zhan | 19 Mar 2020 | 13:20 | 13:20 | An Enhanced Road Vehicle Positioning Method Using Roadside Furniture with Radio Frequency Identity Tags and the EPC Gen2 Standard | Exhibition Hall | Poster3-A15 | Poster Session 3: RFID antennas/sensors and systems | Antennas |
| Wang, Zhefei | 18 Mar 2020 | 13:20 | 13:20 | Dual-Polarized Frequency-Selective Transmission Structure with Two-Sided Absorption Bands | Exhibition Hall | Poster2-E07 | Poster Session 2: Frequency and polarization selective surfaces | Electromagnetics |
| Wang, Zhibin | 16 Mar 2020 | 17:40 | 18:00 | Frequency Diverse Array Information Geometry Analysis | B5 | T08-A17 | Antennas and techniques for positioning and direction finding | T08 Positioning, localization & tracking / Regular Session / Antennas |
| Wangchuk, Karma | 19 Mar 2020 | 17:00 | 17:20 | Measurements of Opportunistic Aircraft Signals and Verification of a Propagation Prediction Tool in Mountainous Region | B7 | T06-P12 | Radar, localisation and sensing for aircraft and automotive applications | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Propagation |
| Wasiak, Michal Grzegorz | 18 Mar 2020 | 09:50 | 10:10 | Compact Millimeter and Submillimeter-Wave Photonic Radiometer for Cubesats | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Watson, Robert J | 19 Mar 2020 | 17:00 | 17:20 | Comparison of Adaptive Null-Steering Algorithms for Low Power GNSS Phased Arrays | B5 | CS31 | GNSS Antennas and Systems for Challenged RF Environment | T08 Positioning, localization & tracking / Convened Session / Antennas |
| Watson, Robert J | 19 Mar 2020 | 18:00 | 18:20 | The Variability of Scattering from Leaves and Its Impact on Propagation | B8 | T09-P13 | Propagation Aspects in Remote Sensing | T09 Space (incl. cubesat) / Regular Session / Propagation |
| Wayth, Randall | 17 Mar 2020 | 17:00 | 17:20 | Analysis of the Loading Effect of Faulty LNAs on Embedded Element Patterns in the Murchison Widefield Array | B8 | CS15 | Antennas for Radio Astronomy | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Wayth, Randall | 17 Mar 2020 | 17:40 | 18:00 | Parallel Plate Waveguide Simulator of a Dense Connected Dipole Array | B8 | CS15 | Antennas for Radio Astronomy | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Weber, Rainer | 17 Mar 2020 | 13:20 | 13:20 | H-band Quartz-Cavity Leaky-Wave Lens Feeder with Novel Chip Interconnect | Exhibition Hall | Poster1-A09 | Poster Session 1: Lens antennas | Antennas |
| Webster, Carlo | 19 Mar 2020 | 13:20 | 13:20 | A 915 MHz Wristwatch-Integrated Antenna for Wireless Health Monitoring | Exhibition Hall | Poster3-A12 | Poster Session 3: Wearable and implantable antennas | Antennas |
| Weddell, Alex S | 17 Mar 2020 | 17:40 | 18:00 | Sub-1 GHz Flexible Concealed Rectenna Yarn for High-Efficiency Wireless-Powered Electronic Textiles | A2 | T04-A20 | Wireless power transfer and inductive coupling | T04 IoT and M2M / Regular Session / Antennas |
| Wei, Gao | 19 Mar 2020 | 09:10 | 09:30 | Miniaturized Base-station Antenna Element with Sinuously Bent Arms | A2 | T01-A11 | Multiband and wideband antennas | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Wei, Gao | 19 Mar 2020 | 13:20 | 13:20 | Miniaturization of Base-station Antenna Element Using Non-uniform Meta-surface | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Wei, Guiming | 18 Mar 2020 | 09:30 | 09:50 | The Study of 5G Massive MIMO End-to-End MPAC Test Solution | A3 | CS06 | AMTA/IRACON Session: Over-The-Air Testing of 5G Radios | T02 Millimetre wave 5G / Convened Session / Measurements |
| Wei, Pax S. P. | 17 Mar 2020 | 08:50 | 09:10 | Measurements on Extended Vertical Objects for Radar Field Probes | B4 | T11-M02 | Radar scattering measurement and calibration techniques | T11 Fundamental research and emerging technologies / Regular Session / Measurements |
| Weily, Andrew | 17 Mar 2020 | 13:20 | 13:20 | Waveguide Switch Based on Ferrite Circulator for Antenna Beam Steering Applications | Exhibition Hall | Poster1-A09 | Poster Session 1: Lens antennas | Antennas |
| Weinmann, Frank | 17 Mar 2020 | 13:20 | 13:20 | An Overview of Wind Turbine Interference Research Activities at Fraunhofer FHR | A2 (Poster Area) | Convened Poster 1-CS57 | Recent Research on Wind Turbines: EM Modelling and Measurements | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Weiß, Alexander | 18 Mar 2020 | 11:00 | 11:20 | RF-Signal Receiver for UAV-Based Characterisation of Aeronautical Navigation Systems | B11 | T06-M10 | UAV-Based Antenna Measurements (AMTA) | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Measurements |
| Weiß, Matthias | 18 Mar 2020 | 13:20 | 13:20 | Data Transfer and Communication in Radar Networks | Exhibition Hall | Poster2-P12 | Poster Session 2: Radar, localisation, and sensing | Propagation |
| Wellander, Niklas | 19 Mar 2020 | 10:40 | 11:00 | Multiple Scattering by a Collection of Randomly Located Obstacles Distributed in a Dielectric Slab | B11 | T11-E01 | EM Theory | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Wen, Dingliang | 18 Mar 2020 | 09:30 | 09:50 | An Ultrawideband Conformal Antenna for Implantable Drug Delivery Device | B2 | CS62 | Small Antenna in a Human Body Environment | T04 IoT and M2M / Convened Session / Antennas |
| Wen, Lehu | 16 Mar 2020 | 15:10 | 15:30 | Millimeter-Wave Dual-Polarized Slot Array Antenna Using a TE210 and TE120 Mode | A2 | CS02 | Advanced Antenna Arrays for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Antennas |
| Wen, Lehu | 16 Mar 2020 | 15:10 | 15:30 | A Broadband Circularly Polarized Antenna with Triple-Mode Characteristics | B5 | T08-A17 | Antennas and techniques for positioning and direction finding | T08 Positioning, localization & tracking / Regular Session / Antennas |
| Wen, Zhu | 18 Mar 2020 | 08:50 | 09:10 | Mid-field OTA RF Test Method: New Developments and Performance Comparison with the Compact Antenna Test Range (CATR) | A3 | CS06 | AMTA/IRACON Session: Over-The-Air Testing of 5G Radios | T02 Millimetre wave 5G / Convened Session / Measurements |
| Wenger, Daniel | 19 Mar 2020 | 10:40 | 11:00 | Penetration Loss into Train Wagons: Q-factor Measurements | B1 | T01-P02 | Propagation modelling and simulation | T01 LTE and Sub-6GHz 5G / Regular Session / Propagation |

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| Werner, Douglas H | 18 Mar 2020 | 13:20 | 13:20 | Metasurface-Based Circularly-Polarized Multibeam Reflect-/Transmit-Arrays | A2 (Poster Area) | Convened Poster 2-CS41 | Metasurfaces for Mobile (5G and Beyond) and Satellite Communication Systems | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Werner, Frank | 17 Mar 2020 | 13:20 | 13:20 | Remote Monitoring and Propagation Modeling of EM Side-Channel Signals for IoT Device Security | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Werner, Pingjuan | 18 Mar 2020 | 13:20 | 13:20 | Metasurface-Based Circularly-Polarized Multibeam Reflect-/Transmit-Arrays | A2 (Poster Area) | Convened Poster 2-CS41 | Metasurfaces for Mobile (5G and Beyond) and Satellite Communication Systems | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Wettergren, Johan | 18 Mar 2020 | 10:40 | 11:00 | A Triband Wire Antenna for All Radio and TV Bands | B7 | T06-A17 | Automotive antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Weyn, Maarten | 16 Mar 2020 | 17:00 | 17:20 | RSS-based AoA Estimation System for IoT Applications Using Rotman Lens | B5 | T08-A17 | Antennas and techniques for positioning and direction finding | T08 Positioning, localization & tracking / Regular Session / Antennas |
| White, Ian | 19 Mar 2020 | 13:20 | 13:20 | A UHF RFID Reader Antenna with Tunable Axial Ratio and Fixed Beamwidth | Exhibition Hall | Poster3-A15 | Poster Session 3: RFID antennas/sensors and systems | Antennas |
| Whittaker, Tom | 16 Mar 2020 | 15:10 | 15:30 | Fabrication of Artificial Dielectrics via Stereolithography Based 3D-Printing | B11 | T11-E08 | Metamaterials, metasurfaces and advanced materials | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Whittow, William | 16 Mar 2020 | 14:50 | 15:10 | Cold Sintered CaTiO ₃ -K ₂ MoO ₄ Microwave Dielectric Ceramics for Integrated Microstrip Patch Antennas | B11 | T11-E08 | Metamaterials, metasurfaces and advanced materials | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Whittow, William | 16 Mar 2020 | 15:10 | 15:30 | Fabrication of Artificial Dielectrics via Stereolithography Based 3D-Printing | B11 | T11-E08 | Metamaterials, metasurfaces and advanced materials | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Wiemeler, Michael | 18 Mar 2020 | 13:20 | 13:20 | Simulation Validation of High Resolution Indoor Terahertz Synthetic Aperture Radar Imaging | Exhibition Hall | Poster2-P12 | Poster Session 2: Radar, localisation, and sensing | Propagation |
| Wig, Elizabeth | 19 Mar 2020 | 17:40 | 18:00 | Automatic Permittivity and Thickness Characterization of Body-Borne Weak Dielectric Threats Using Wideband Radar | B9 | T10-E05/2 | Imaging and inverse scattering | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Wijnholds, Stefan J. | 18 Mar 2020 | 11:20 | 11:40 | Comparison Between Measured and Simulated Antenna Patterns for a LOFAR LBA Array | B11 | T06-M10 | UAV-Based Antenna Measurements (AMTA) | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Measurements |
| Wijtvliet, Mark | 19 Mar 2020 | 13:20 | 13:20 | Design and Evaluation of a Radio-Interferometry Antenna for the REXUS 25 Sounding Rocket | Exhibition Hall | Poster3-A06 | Poster Session 3: Conformal antennas | Antennas |
| Willems, Frans MJ | 19 Mar 2020 | 10:40 | 11:00 | System Level Synchronization of Phase-Coded FMCW Automotive Radars for RadCom | B5 | CS25 | Convergence of Mobile Radio and Radar | T08 Positioning, localization & tracking / Convened Session / Propagation |
| Willems, Frans MJ | 20 Mar 2020 | 10:40 | 11:00 | Array Configuration Effect on the Spatial Correlation of MU-MIMO Channels in NLoS Environments | A2 | T01-A22 | MIMO, diversity, smart antennas & signal processing | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Williams, Orla | 19 Mar 2020 | 13:20 | 13:20 | A Passive RFID Tag for Biomass Tracking | Exhibition Hall | Poster3-A15 | Poster Session 3: RFID antennas/sensors and systems | Antennas |
| Williams, Robin | 19 Mar 2020 | 13:20 | 13:20 | Shared Aperture Dual S- And X-band Antenna for Nano-Satellite Applications | Exhibition Hall | Poster3-A11 | Poster Session 3: Multiband and wideband antennas | Antennas |
| Wilson, Simon | 20 Mar 2020 | 09:10 | 09:30 | Enabling RF Technologies for Spectrum Sharing | A3 | CS37 | IRACON Spectrum Sharing: Challenges and Opportunities for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Wilton, Donald | 19 Mar 2020 | 09:30 | 09:50 | Reducing the Dimensionality of 6-D MoM Integrals Applying Twice the Divergence Theorem | B8 | CS30 | Fundamental Challenges and Novel Methodologies in the Next-Generation Computational Electromagnetics | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Winchester, Lee | 20 Mar 2020 | 11:00 | 11:20 | Evaluation of Aerosol Jet Printing of Frequency Selective Surface on Glass for Building and RF Applications | B1 | CS33 | IET Session: New Antenna Systems Involving Application of Metamaterials and Metasurfaces | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Wingren, Niklas | 19 Mar 2020 | 11:20 | 11:40 | Analytical Modeling and Multiphysics Simulation of Acousto-Electromagnetic Interaction | B11 | T11-E01 | EM Theory | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Withington, Stafford | 19 Mar 2020 | 11:20 | 11:40 | Modal Characterization of Thermal Emitters Using the Method of Moments | B8 | CS30 | Fundamental Challenges and Novel Methodologies in the Next-Generation Computational Electromagnetics | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Witrisal, Klaus | 20 Mar 2020 | 11:00 | 11:20 | Directionally Resolved UWB Channel Modeling for Environment-Aware Positioning | B11 | CS20 | Assessment and Modeling of Antennas and Radio Channels Jointly | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Wittig, Sven | 17 Mar 2020 | 11:20 | 11:40 | Measurement and Characterization of an Indoor Industrial Environment at 3.7 and 28 GHz | A3 | CS35 | IET/IRACON Session: Propagation Measurements and Modelling for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Wolosinski, Grzegorz | 18 Mar 2020 | 13:20 | 13:20 | Closed Form Characterization of Mutual Coupling in Uniform Linear Arrays | Exhibition Hall | Poster2-A01 | Poster Session 2: Antenna theory | Antennas |
| Wong, Alex | 17 Mar 2020 | 17:40 | 18:00 | Towards Efficient EM Wave Manipulation Using a Discrete Dielectric Huygens' Metasurface | B4 | CS67 | Water-Based Microwave Devices | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Wong, Hang | 18 Mar 2020 | 12:00 | 12:20 | Penta-band Dual-fed Smart Glasses IoT Antenna | B2 | CS62 | Small Antenna in a Human Body Environment | T04 IoT and M2M / Convened Session / Antennas |
| Wong, Hang | 19 Mar 2020 | 16:40 | 17:00 | Directive Beam Radiation by A Fresnel Zone Plate Integrated Partially Reflective Surface for Millimeter-wave Applications | A3 | CS49 | Novel Techniques for Beam Manipulation at Millimeter | T02 Millimetre wave 5G / Convened Session / Antennas |
| Wong, Kin-Lu | 17 Mar 2020 | 12:00 | 12:20 | Highly-Integrated Dual-Band mmWave Antenna Array for 5G Mobile Phone Application | B1 | CS38 | ISAP Session: Recent Advances in Asian Antennas and Propagation Research | T02 Millimetre wave 5G / Convened Session / Antennas |
| Wong, Sai-Wai | 17 Mar 2020 | 13:20 | 13:20 | An Ultra-wideband Reflectarray Antenna Using Connected Dipoles for Multifunctional Systems | Exhibition Hall | Poster1-A19 | Poster Session 1: Reflect arrays and transmit arrays | Antennas |
| Wong, Sai-Wai | 19 Mar 2020 | 13:20 | 13:20 | An Ultra-Wideband Stacked Spiral-Helix Composite Antenna | Exhibition Hall | Poster3-A11 | Poster Session 3: Multiband and wideband antennas | Antennas |

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|-------------------------|-------------|-------|-------|---|------------------|------------------------|---|--|
| Woo, Seungmin | 19 Mar 2020 | 13:20 | 13:20 | CPW-Fed U-shaped Transparent Antenna for 5G Vehicle Sensor Application | Exhibition Hall | Poster3-A23 | Poster Session 3: Other antenna topics | Antennas |
| Wu, Dehao | 20 Mar 2020 | 11:40 | 12:00 | Joint Statistics of Urban Clutter Loss and Building Entry Loss at 3.5 GHz and 27 GHz - From Measurement to Modelling | A3 | CS37 | IRACON Spectrum Sharing: Challenges and Opportunities for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Wu, Di | 19 Mar 2020 | 13:20 | 13:20 | A Compact Multiband FICA Antenna with Coupled-Fed Mechanism for Mobile Phone Applications | Exhibition Hall | Poster3-A11 | Poster Session 3: Multiband and wideband antennas | Antennas |
| Wu, Fan | 18 Mar 2020 | 13:20 | 13:20 | Metasurface-Based Circularly-Polarized Multibeam Reflect-/Transmit-Arrays | A2 (Poster Area) | Convened Poster 2-CS41 | Metasurfaces for Mobile (5G and Beyond) and Satellite Communication Systems | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Wu, Gengbo | 19 Mar 2020 | 12:00 | 12:20 | 3-D Printed Terahertz Lens for Generation of Non-diffractive Bessel Beam Carrying OAM | B4 | CS44 | Near-Field Focusing and Pulse Generation Through Localized Waves | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Wu, Hao | 16 Mar 2020 | 15:10 | 15:30 | A Broadband Circularly Polarized Antenna with Triple-Mode Characteristics | B5 | T08-A17 | Antennas and techniques for positioning and direction finding | T08 Positioning, localization & tracking / Regular Session / Antennas |
| Wu, Jian | 16 Mar 2020 | 15:10 | 15:30 | Millimeter-Wave Dual-Polarized Slot Array Antenna Using a TE ₂₁₀ and TE ₁₂₀ Mode | A2 | CS02 | Advanced Antenna Arrays for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Antennas |
| Wu, Ke | 19 Mar 2020 | 17:40 | 18:00 | Multi-Beam Radiation Properties of Higher-Order Space Harmonics-Enabled Leaky-Wave Antenna | B2 | T02-A10 | Leaky-wave and Traveling-wave Antennas | T02 Millimetre wave 5G / Regular Session / Antennas |
| Wu, Ke-Li | 19 Mar 2020 | 18:00 | 18:20 | A Compact Folded Air Patch Antenna with Low Cross-Polarization | B1 | T03-A11 | Antennas for WLAN Applications | T03 Wireless LANs / Regular Session / Antennas |
| Wu, Lina | 16 Mar 2020 | 14:50 | 15:10 | Millimeter-Wave Channel Characterization for Vehicle-to-Infrastructure Communication | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Wu, Miao | 18 Mar 2020 | 09:50 | 10:10 | Reducing User Effects on Mobile Handset Antennas Using Mode Mapping | B1 | CS45 | New Perspectives and Applications of Characteristic Mode Analysis in Antenna Design | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Wu, Qi | 18 Mar 2020 | 13:20 | 13:20 | Double-Layer Machine Learning Assisted Optimization for Antenna Sensitivity Analysis | Exhibition Hall | Poster2-A01 | Poster Session 2: Antenna theory | Antennas |
| Wu, Sheng-Wei | 17 Mar 2020 | 10:40 | 11:00 | Modified Binomial Power Distribution Beamformer for Switched-Beam Circular Array | B1 | CS38 | ISAP Session: Recent Advances in Asian Antennas and Propagation Research | T02 Millimetre wave 5G / Convened Session / Antennas |
| Wu, Tao | 19 Mar 2020 | 16:40 | 17:00 | Dual Polarized Dual Band Collocated Beam Switching Antennas for WLAN Applications | B1 | T03-A11 | Antennas for WLAN Applications | T03 Wireless LANs / Regular Session / Antennas |
| Wu, Wen | 18 Mar 2020 | 13:20 | 13:20 | Circularly Polarized Conical Beam Antenna with Stable 3dB Axial Ratio Beamwidth | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Wu, Wen | 18 Mar 2020 | 13:20 | 13:20 | Super-Resolution DOA Estimation Using Dynamic Metasurface Antenna | Exhibition Hall | Poster2-P12 | Poster Session 2: Radar, localisation, and sensing | Propagation |
| Wu, Xuan-Ji | 18 Mar 2020 | 13:20 | 13:20 | Wideband 8-Antenna Array with High Isolation for Sub-6 GHz MIMO Applications | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Wu, Zhanni | 18 Mar 2020 | 10:40 | 11:00 | A Spatio-Temporally Modulated Metasurface as a Free-Space N-Path System | B5 | CS47 | Non-Magnetic Nonreciprocity | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Wubs, Martijn | 19 Mar 2020 | 17:00 | 17:20 | Electromagnetic Modeling for Nanoscale Quantum Optics: Beyond the Lego-Brick Picture | A2 | CS42 | Nano and Quantum Antennas | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Wymeersch, Henk | 19 Mar 2020 | 11:20 | 11:40 | Stepped-Carrier OFDM V2V Resource Allocation for Sensing and Communication Convergence | B5 | CS25 | Convergence of Mobile Radio and Radar | T08 Positioning, localization & tracking / Convened Session / Propagation |
| Xavier, George | 19 Mar 2020 | 13:20 | 13:20 | Validation Tests for the Application of a Circular PMA with Slotted Ground Plane for Partial Discharges Detection in Power Transformers | Exhibition Hall | Poster3-A11 | Poster Session 3: Multiband and wideband antennas | Antennas |
| Xavier, Judson Benevolo | 19 Mar 2020 | 13:20 | 13:20 | The Influence of Lattice Constant on Tuning EBG Waveguide | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Xi, Feng | 18 Mar 2020 | 13:20 | 13:20 | Super-Resolution DOA Estimation Using Dynamic Metasurface Antenna | Exhibition Hall | Poster2-P12 | Poster Session 2: Radar, localisation, and sensing | Propagation |
| Xi, Jingtian | 17 Mar 2020 | 11:00 | 11:20 | Near-to-Near- And Near-to-Far-Field Transformation for Millimeter-Wave Frequencies | B4 | T10-M10 | General Antenna Measurements | T10 EM modelling and simulation tools / Regular Session / Measurements |
| Xia, Dong | 17 Mar 2020 | 13:20 | 13:20 | Compact Quasi-Optical Power Combiner with Single Shaped Reflector | Exhibition Hall | Poster1-A18 | Poster Session 1: Reflector, feed systems, and components | Antennas |
| Xiao, Bing | 18 Mar 2020 | 12:00 | 12:20 | Penta-band Dual-fed Smart Glasses IoT Antenna | B2 | CS62 | Small Antenna in a Human Body Environment | T04 IoT and M2M / Convened Session / Antennas |
| Xiao, Pei | 16 Mar 2020 | 16:00 | 16:20 | Integrated Design of Dual-Band Antenna with Uni-/Omni-Directional Radiations | B2 | T04-A08 | IoT antennas | T04 IoT and M2M / Regular Session / Antennas |
| Xiao, Pei | 18 Mar 2020 | 13:20 | 13:20 | Trapped Microstrip-Ridge Gap Waveguide for Standalone Millimeter Wave Structures | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Xiao, Pei | 19 Mar 2020 | 12:00 | 12:20 | Holographic-Based mmW-Wideband Bidirectional Frequency Scanning Leaky Wave Antenna | B2 | CS46 | New Trends in Leaky Wave Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Xiao, Pei | 20 Mar 2020 | 10:40 | 11:00 | Study on the Location of mmWave Antenna for the Autonomous Car's Detection and Ranging Sensors | B4 | T11-E06 | Scattering and diffraction | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Xiaoja, Wang | 19 Mar 2020 | 13:20 | 13:20 | Electric Field Analysis and Measurement for a Resistively Loaded Monocone | Exhibition Hall | Poster3-M10 | Poster Session 3: General antenna measurements | Measurements |
| Xiaoping, Li | 19 Mar 2020 | 13:20 | 13:20 | Integration of Circularly Polarized Microstrip Slot Array Antenna with Amorphous Silicon Solar Cells | Exhibition Hall | Poster3-A14 | Poster Session 3: Active and integrated antennas | Antennas |

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|---------------------------|-------------|-------|-------|--|-----------------|-------------|--|---|
| Xie, Yanzhao | 20 Mar 2020 | 09:30 | 09:50 | A Dual-Polarized Asymptotic Conical Dipole (ACD) Sensor for Ultra-Wideband E-field Measurement | B5 | T11-M05 | EMI/EMC/PIM chambers, instrumentation, and measurements | T11 Fundamental research and emerging technologies / Regular Session / Measurements |
| Xing, Lei | 19 Mar 2020 | 13:20 | 13:20 | A Dual-Element Folded Strip Monopole with SRR Loading for Multiband Handset MIMO Applications | Exhibition Hall | Poster3-A11 | Poster Session 3: Multiband and wideband antennas | Antennas |
| Xing, Lei | 19 Mar 2020 | 13:20 | 13:20 | A Dual-Port, Dual-Polarized and Wideband Slot Rectenna for Ambient RF Energy Harvesting | Exhibition Hall | Poster3-A20 | Poster Session 3: Antennas for wireless power transmission and harvesting | Antennas |
| Xiong, Zubiao | 19 Mar 2020 | 17:20 | 17:40 | Direct Wave Removal in Anechoic Chamber Range Imaging from Planar Scanned Data | B10 | CS48 | Novel Antenna Measurement Data Analysis and Techniques | T11 Fundamental research and emerging technologies / Convened Session / Measurements |
| Xu, Bo | 19 Mar 2020 | 08:50 | 09:10 | Incident Power Density Assessment Study for 5G Millimeter-Wave Handset Based on Equivalent Currents Method | A3 | CS34 | IET/AMTA Session: Test and Measurement Challenges for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Measurements |
| Xu, Bo | 19 Mar 2020 | 09:50 | 10:10 | EMF Exposure Assessment of Massive MIMO Radio Base Stations Based on Traffic Beam Pattern Envelopes | A3 | CS34 | IET/AMTA Session: Test and Measurement Challenges for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Measurements |
| Xu, Gengyu | 16 Mar 2020 | 13:30 | 13:50 | Dual-band Anomalous Reflection with Interleaved Metagratings | B11 | T11-E08 | Metamaterials, metasurfaces and advanced materials | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Xu, Kuiwen | 19 Mar 2020 | 11:20 | 11:40 | Multi-Resolution Through-the-Wall Microwave Imaging of Strong Scatterers | B9 | T10-E05/1 | Electromagnetic Methods for Direct and Inverse Scattering Involving Stratified Media | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Xu, Qian | 19 Mar 2020 | 13:20 | 13:20 | A Dual-Element Folded Strip Monopole with SRR Loading for Multiband Handset MIMO Applications | Exhibition Hall | Poster3-A11 | Poster Session 3: Multiband and wideband antennas | Antennas |
| Xu, Qian | 19 Mar 2020 | 13:20 | 13:20 | A Dual-Port, Dual-Polarized and Wideband Slot Rectenna for Ambient RF Energy Harvesting | Exhibition Hall | Poster3-A20 | Poster Session 3: Antennas for wireless power transmission and harvesting | Antennas |
| Xu, Shenheng | 17 Mar 2020 | 11:40 | 12:00 | Novel Millimeter-Wave Phased Array Antenna for 5G Wireless Communications | B1 | CS38 | ISAP Session: Recent Advances in Asian Antennas and Propagation Research | T02 Millimetre wave 5G / Convened Session / Antennas |
| Xu, Shenheng | 17 Mar 2020 | 17:40 | 18:00 | Review of W-band Reconfigurable Reflectarray and Transmitarray Antennas at Tsinghua University | A3 | CS56 | Recent Advances on Electronically Steerable Antenna Arrays at mm-Wave Frequencies | T02 Millimetre wave 5G / Convened Session / Antennas |
| Xu, Shenheng | 20 Mar 2020 | 11:20 | 11:40 | Design of Microwave Imaging System Based on Reconfigurable Transmitarray with Variable Focuses | B8 | CS59 | Reconfigurable Reflectarray and Transmitarrays | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Xu, Yuxuan | 20 Mar 2020 | 09:10 | 09:30 | The Influence of Self-User Shadowing in the Intra-Metro Communication Scenario at 28 GHz | B11 | CS20 | Assessment and Modeling of Antennas and Radio Channels Jointly | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Xu, Zhenhai | 19 Mar 2020 | 13:20 | 13:20 | Enhanced Double-Null Technique on General Planar Array for Two-Target Angular Resolution | Exhibition Hall | Poster3-M11 | Poster Session 3: Other measurement topics | Measurements |
| Xue, Wei | 19 Mar 2020 | 13:20 | 13:20 | Impact of Probe Coupling on Emulation Accuracy in Massive MIMO OTA Testing | Exhibition Hall | Poster3-M09 | Poster Session 3: MIMO and OTA testing | Measurements |
| Xue, Wei | 20 Mar 2020 | 09:10 | 09:30 | Evaluation of the Purity of OAM Modes Using the Reverberation Chamber Technique | B5 | T11-M05 | EMI/EMC/PIM chambers, instrumentation, and measurements | T11 Fundamental research and emerging technologies / Regular Session / Measurements |
| Yadav, Manish Varun | 19 Mar 2020 | 13:20 | 13:20 | A Novel Approach for Compact Antenna with Parasitic Elements Aimed at Ultra-Wideband Applications | Exhibition Hall | Poster3-A16 | Poster Session 3: UWB antennas and time-domain techniques | Antennas |
| Yadav, Rahul | 18 Mar 2020 | 09:50 | 10:10 | Microwave Tomography for Estimating Moisture Content Distribution in Porous Foam Using Neural Networks | B10 | T11-P02/2 | Machine Learning in Radio Propagation | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Yadav, Rajesh | 16 Mar 2020 | 14:10 | 14:30 | Axial-ratio Tuning in Nano-Dielectric Resonator Antenna for Optical Band Applications | B4 | T07-A | Antenna theory and system design | T07 Defence and security / Regular Session / Antennas |
| Yaduvanshi, Rajveer Singh | 16 Mar 2020 | 14:10 | 14:30 | Axial-ratio Tuning in Nano-Dielectric Resonator Antenna for Optical Band Applications | B4 | T07-A | Antenna theory and system design | T07 Defence and security / Regular Session / Antennas |
| Yaghjian, Arthur D | 18 Mar 2020 | 09:50 | 10:10 | Maxwell's Derivation of the Lorentz Force from Faraday's Law | B11 | BC/2 | History of Electromagnetism 2 | T13 Bicentennial Session / Electromagnetics |
| Yagoubov, Pavel | 17 Mar 2020 | 13:20 | 13:20 | Design and Measurement of Possible Wide-band 67-116 GHz ALMA Vacuum Window Anti-reflection Layers | Exhibition Hall | Poster1-A18 | Poster Session 1: Reflector, feed systems, and components | Antennas |
| Yahya, Maan | 17 Mar 2020 | 12:00 | 12:20 | Mutual Coupling Effect on Three-Way Doherty Amplifier for Green Compact Mobile Communications | B10 | CS39 | Machine Learning in Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Yamada, Kazuki | 18 Mar 2020 | 13:20 | 13:20 | High-gain and Low-profile Dielectric Cuboid Antenna at J-band | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Yamaguchi, Michimasa | 19 Mar 2020 | 13:20 | 13:20 | Single-Chip Impulse-Radar Integrated Circuits for Microwave-Imaging | Exhibition Hall | Poster3-A16 | Poster Session 3: UWB antennas and time-domain techniques | Antennas |
| Yamaguchi, Ryo | 17 Mar 2020 | 11:20 | 11:40 | Antennas and Propagation Technologies of V2V Communications for Platooning | B1 | CS38 | ISAP Session: Recent Advances in Asian Antennas and Propagation Research | T02 Millimetre wave 5G / Convened Session / Antennas |
| Yamamoto, Ayano | 17 Mar 2020 | 13:20 | 13:20 | Maximum Ratio Transmission for OAM Mode Multiplexing Using Multiple UCAs | Exhibition Hall | Poster1-A22 | Poster Session 1: MIMO, diversity, smart antennas & signal processing | Antennas |
| Yamamoto, Shin-ichi | 20 Mar 2020 | 09:10 | 09:30 | Study of a Low-Loss Planar Radome for a Wide-Coverage Antenna | B7 | T06-A11 | Aircraft antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Yamauchi, Junji | 20 Mar 2020 | 08:50 | 09:10 | Circularly Polarized Concentric Metaring Antenna | B1 | CS33 | IET Session: New Antenna Systems Involving Application of Metamaterials and Metasurfaces | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Yan, Sen | 18 Mar 2020 | 08:50 | 09:10 | Design and Optimization of a Flexible CPW-Fed Slotted Planar Monopole for WLAN/WBAN and 5G | B2 | CS62 | Small Antenna in a Human Body Environment | T04 IoT and M2M / Convened Session / Antennas |
| Yan, Sen | 18 Mar 2020 | 09:50 | 10:10 | A Multi-Functional Compact Button Antenna for Wearable Applications | B2 | CS62 | Small Antenna in a Human Body Environment | T04 IoT and M2M / Convened Session / Antennas |

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|--------------------------|-------------|-------|-------|--|------------------|------------------------|--|--|
| Yan, Ying | 16 Mar 2020 | 13:50 | 14:10 | Emulation of End-To-End Communications Systems in Railway Scenarios: Physical Layer Results | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Yang, Donghua | 17 Mar 2020 | 13:20 | 13:20 | Convergence of OAM Beams Using Time-Modulated Concentric Circular Arrays | Exhibition Hall | Poster1-A22 | Poster Session 1: MIMO, diversity, smart antennas & signal processing | Antennas |
| Yang, Donghua | 17 Mar 2020 | 13:20 | 13:20 | Propagation Model for UCA-based OAM Communications in Six-Ray Canyon Channels | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Yang, Fan | 17 Mar 2020 | 11:40 | 12:00 | Novel Millimeter-Wave Phased Array Antenna for 5G Wireless Communications | B1 | CS38 | ISAP Session: Recent Advances in Asian Antennas and Propagation Research | T02 Millimetre wave 5G / Convened Session / Antennas |
| Yang, Fan | 17 Mar 2020 | 17:40 | 18:00 | Review of W-band Reconfigurable Reflectarray and Transmitarray Antennas at Tsinghua University | A3 | CS56 | Recent Advances on Electronically Steerable Antenna Arrays at mm-Wave Frequencies | T02 Millimetre wave 5G / Convened Session / Antennas |
| Yang, Fan | 20 Mar 2020 | 11:20 | 11:40 | Design of Microwave Imaging System Based on Reconfigurable Transmitarray with Variable Focuses | B8 | CS59 | Reconfigurable Reflectarray and Transmitarrays | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Yang, Feng | 18 Mar 2020 | 13:20 | 13:20 | Synthesis of Sparse Linear Arrays Including Directivity via a Hybrid L1 Minimization Algorithm | A2 (Poster Area) | Convened Poster 2-CS61 | Signal Processing Techniques for Advanced Electromagnetics Synthesis, Analysis, and Measurements | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Yang, Guangli | 19 Mar 2020 | 13:20 | 13:20 | A Hybrid Beamforming-Based Transceiver with Antenna in Package for Millimeter-Wave Small Cell | Exhibition Hall | Poster3-A14 | Poster Session 3: Active and integrated antennas | Antennas |
| Yang, Guomin | 18 Mar 2020 | 13:20 | 13:20 | Microwave Polarization Converter with Multilayer Metasurface | Exhibition Hall | Poster2-E07 | Poster Session 2: Frequency and polarization selective surfaces | Electromagnetics |
| Yang, Jian | 16 Mar 2020 | 13:30 | 13:50 | Analysis of Compensation Methods and the Capability Boundary for Element Position Errors in Electrically Scanned Arrays | B4 | T07-A | Antenna theory and system design | T07 Defence and security / Regular Session / Antennas |
| Yang, Jian | 17 Mar 2020 | 13:20 | 13:20 | A Compact Double-Layer Groove Gap Waveguide Power Divider with High Isolation | A2 (Poster Area) | Convened Poster 1-CS19 | Applications of mm-Wave Gap Waveguide Technology-II | T02 Millimetre wave 5G / Convened Session / Antennas |
| Yang, Jian | 18 Mar 2020 | 13:20 | 13:20 | A Method of Reducing Mutual Coupling for a Finite Array | Exhibition Hall | Poster2-A02 | Poster Session 2: Antenna interactions and coupling | Antennas |
| Yang, Jian | 18 Mar 2020 | 13:20 | 13:20 | A Series-fed High-Gain Gap Waveguide Planar Array Antenna Fed by Quasi-TEM Wave | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Yang, Jian | 20 Mar 2020 | 11:20 | 11:40 | Edge Truncation Effects in a Wide-Scan Phased Array of Connected Bowtie Antenna Elements | B7 | T06-A11 | Aircraft antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Yang, Junxiang | 18 Mar 2020 | 13:20 | 13:20 | Circularly Polarized Conical Beam Antenna with Stable 3dB Axial Ratio Beamwidth | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Yang, Kun | 16 Mar 2020 | 16:20 | 16:40 | Bi-directional Vehicle-to-Vehicle Radio Channel Characteristics over Bridge at 5.9 GHz | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Yang, Mi | 16 Mar 2020 | 17:40 | 18:00 | Measurement and Diffuse Multipath Analysis of V2V Propagation Channel at 5.9 GHz in Tunnel Area | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Yang, Mi | 18 Mar 2020 | 13:20 | 13:20 | Clustering Performance Evaluation Algorithm for Vehicle-to-Vehicle Radio Channels | Exhibition Hall | Poster2-P09 | Poster Session 2: Propagation for vehicular communications | Propagation |
| Yang, Qingling | 16 Mar 2020 | 15:10 | 15:30 | Millimeter-Wave Dual-Polarized Slot Array Antenna Using a TE ₂₁₀ and TE ₁₂₀ Mode | A2 | CS02 | Advanced Antenna Arrays for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Antennas |
| Yang, Shi Wen | 17 Mar 2020 | 13:20 | 13:20 | 2-D Wide-Scanning Flat Luneburg Lens Antenna for 5G Communication | Exhibition Hall | Poster1-A09 | Poster Session 1: Lens antennas | Antennas |
| Yang, Shi Wen | 17 Mar 2020 | 13:20 | 13:20 | An Irregular Tightly Coupled Dipole Array with Wide Scanning Angles | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Yang, Shi Wen | 17 Mar 2020 | 13:20 | 13:20 | Improving Physical Layer Security Technique Based on 4-D Antenna Arrays with Pre-Modulation | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Yang, Shi Wen | 20 Mar 2020 | 12:00 | 12:20 | Scattering Control of Wideband Phased Arrays Using Metamaterial Absorbers | B4 | T11-E06 | Scattering and diffraction | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Yang, Shiwen | 18 Mar 2020 | 13:20 | 13:20 | Synthesis of Sparse Linear Arrays Including Directivity via a Hybrid L1 Minimization Algorithm | A2 (Poster Area) | Convened Poster 2-CS61 | Signal Processing Techniques for Advanced Electromagnetics Synthesis, Analysis, and Measurements | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Yang, Shuai | 19 Mar 2020 | 13:20 | 13:20 | A UHF RFID Reader Antenna with Tunable Axial Ratio and Fixed Beamwidth | Exhibition Hall | Poster3-A15 | Poster Session 3: RFID antennas/sensors and systems | Antennas |
| Yao, Xiayuan | 18 Mar 2020 | 13:20 | 13:20 | Frequency Selective Surface with Polarization Staggered Bands | Exhibition Hall | Poster2-E07 | Poster Session 2: Frequency and polarization selective surfaces | Electromagnetics |
| Yarovoy, Alexander | 17 Mar 2020 | 13:20 | 13:20 | Effect of Element Number Reduction on Inter-User Interference and Chip Temperatures in Passively-Cooled Integrated Antenna Arrays for 5G | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Yarovoy, Alexander | 19 Mar 2020 | 10:40 | 11:00 | System Level Synchronization of Phase-Coded FMCW Automotive Radars for RadCom | B5 | CS25 | Convergence of Mobile Radio and Radar | T08 Positioning, localization & tracking / Convened Session / Propagation |
| Yarovoy, Alexander | 19 Mar 2020 | 08:30 | 08:50 | Performance Comparison of Single- And Multi-Lobe Antenna Arrays in 5G Urban Outdoor Environments at mm-Waves via Intelligent Ray Tracing | B1 | T02-P02 | Millimetre wave propagation modelling | T02 Millimetre wave 5G / Regular Session / Propagation |
| Yasir, Muhammad | 19 Mar 2020 | 13:20 | 13:20 | Microstrip Tunable Antenna Based on Commercial Graphene Nanoplatelets | Exhibition Hall | Poster3-A13 | Poster Session 3: Adaptive and reconfigurable antennas | Antennas |
| Yates, David Christopher | 16 Mar 2020 | 17:40 | 18:00 | 100 W 6.78 MHz Inductive Power Transfer System for Drones | B9 | CS43 | Near- and Far-Field Wireless Power Transfer | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |

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|-------------------------------|-------------|-------|-------|--|------------------|------------------------|--|---|
| Yates, Stephen | 16 Mar 2020 | 13:50 | 14:10 | Experimental Validation of the Beam Pattern of a Wide Band Quasi-Optical System for DESHIMA Spectrometer | B8 | T09-A09 | Millimetre wave lens antennas for space applications | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Ydreborg, Josef | 16 Mar 2020 | 13:30 | 13:50 | Analysis of Compensation Methods and the Capability Boundary for Element Position Errors in Electrically Scanned Arrays | B4 | T07-A | Antenna theory and system design | T07 Defence and security / Regular Session / Antennas |
| Ye, Linting | 18 Mar 2020 | 13:20 | 13:20 | Temporal-Range-Doppler Features Interpretation and Recognition of Hand Gestures Using mmW FMCW Radar Sensors | Exhibition Hall | Poster2-P12 | Poster Session 2: Radar, localisation, and sensing | Propagation |
| Yelizarov, Andrey Albertovich | 19 Mar 2020 | 17:40 | 18:00 | Computer Simulations of Multiband Waveguide Filter on Modulated Metasurface | B4 | CS63 | State of the Art in Antenna Research in Russia | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Yepes, Cristina | 20 Mar 2020 | 11:00 | 11:20 | Skewed Dipole Linear Array for Angular Filtering | B7 | T06-A11 | Aircraft antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Yeung, Kwan L | 18 Mar 2020 | 12:00 | 12:20 | Penta-band Dual-fed Smart Glasses IoT Antenna | B2 | CS62 | Small Antenna in a Human Body Environment | T04 IoT and M2M / Convened Session / Antennas |
| Yi, Haofan | 20 Mar 2020 | 09:10 | 09:30 | The Influence of Self-User Shadowing in the Intra-Metro Communication Scenario at 28 GHz | B11 | CS20 | Assessment and Modeling of Antennas and Radio Channels Jointly | T10 EM modelling and simulation tools / Convened Session / Antennas |
| Yi, Jianjia | 17 Mar 2020 | 13:20 | 13:20 | Reconfigurable All-dielectric Transmission Lens for Vortex Beam Generation | Exhibition Hall | Poster1-A07 | Poster Session 1: Dielectric resonator antennas | Antennas |
| Yi, Jianjia | 19 Mar 2020 | 13:20 | 13:20 | Phase-Gradient Metasurfaces for Efficient Conversion of Surface Wave to Propagating Wave | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Yilmaz, Baki B | 17 Mar 2020 | 08:30 | 08:50 | Investigation of Resonance Based Propagation Loss Modeling for THz Chip-to-Chip Wireless Communications | A3 | CS35 | IET/IRACON Session: Propagation Measurements and Modelling for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Yilmaz, Baki B | 17 Mar 2020 | 13:20 | 13:20 | Remote Monitoring and Propagation Modeling of EM Side-Channel Signals for IoT Device Security | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Yilmaz, Tuba | 20 Mar 2020 | 11:40 | 12:00 | Monitoring Tumor Response During Chemotherapy Treatment with Microwave Imaging | B6 | SW06 | H2020 Session ID764479 (EMERALD): Electromagnetic Imaging for a Novel Generation of Medical Devices | T05 Biomedical and health / Convened Session / Electromagnetics |
| Yilmaz, Tuba | 20 Mar 2020 | 11:20 | 11:40 | Broadband Microwave Dielectric Property Comparison of Human Fetal Osteoblastic (hFOB) and Osteosarcoma (SaOS-2) Cell Lines | B5 | T11-M01 | Material characterisation and non-destructive testing | T11 Fundamental research and emerging technologies / Regular Session / Measurements |
| Yin, Wenfei | 18 Mar 2020 | 13:20 | 13:20 | Design of Efficient Photomixer-based Terahertz Dielectric Resonator Antenna | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Yin, Xiaoxing | 16 Mar 2020 | 14:50 | 15:10 | Prism-based Leaky-Lens Antennas at 60 GHz for 5G Point-to-Point Communication Links | B2 | CS21 | Challenges in Leaky Wave Antennas and Novel Approaches to Solve Them | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Yin, Xuefeng | 16 Mar 2020 | 17:20 | 17:40 | Shadowing and Multipath-fading Statistics at 2.4 GHz and 39 GHz in Vehicle-to-Vehicle Scenarios | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Yin, Xuefeng | 19 Mar 2020 | 09:30 | 09:50 | Performance of 5G Terrestrial Network Deployments for Serving UAV Communications | B7 | T06-P09 | Propagation for Unmanned Aerial Vehicles (UAVs) | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Propagation |
| Ying, Zhinong | 18 Mar 2020 | 09:10 | 09:30 | User Body Effects on Mobile Antennas and Wireless Systems of 5G Communication | B2 | CS62 | Small Antenna in a Human Body Environment | T04 IoT and M2M / Convened Session / Antennas |
| Ying, Zhinong | 19 Mar 2020 | 08:50 | 09:10 | Incident Power Density Assessment Study for 5G Millimeter-Wave Handset Based on Equivalent Currents Method | A3 | CS34 | IET/AMTA Session: Test and Measurement Challenges for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Measurements |
| Ying, Zuolong | 17 Mar 2020 | 13:20 | 13:20 | Analysis of Delay Characteristics at 4.9 GHz and 28 GHz in an Indoor Industrial Scenario | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Ylä-Oijala, Pasi | 19 Mar 2020 | 08:50 | 09:10 | Characteristic Mode Equations for Non-Symmetric Surface Integral Operators | B8 | CS30 | Fundamental Challenges and Novel Methodologies in the Next-Generation Computational Electromagnetics | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Ylä-Oijala, Pasi | 20 Mar 2020 | 08:50 | 09:10 | Characteristic Mode Analysis of Mobile and Wearable Antennas in Lossy Environment | B10 | CS11 | Antenna Design and Fundamental Bounds with External Constraints | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Yoneda, Naofumi | 20 Mar 2020 | 09:10 | 09:30 | Study of a Low-Loss Planar Radome for a Wide-Coverage Antenna | B7 | T06-A11 | Aircraft antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Yong, Wai Yan | 17 Mar 2020 | 13:20 | 13:20 | 5G Wideband Magneto-Electric Dipole Antenna Fed by a Single-Layer Corporate-Feed Network Based on Ridge Gap Waveguide | A2 (Poster Area) | Convened Poster 1-CS10 | Antenna Array and Integrated Systems for 5G Communication Applications | T02 Millimetre wave 5G / Convened Session / Antennas |
| Yoon, Young Joong | 19 Mar 2020 | 13:20 | 13:20 | Holographic Antenna Using Slotted Hologram Patterns for High Efficiency | Exhibition Hall | Poster3-A23 | Poster Session 3: Other antenna topics | Antennas |
| Yoshimoto, Eduardo | 17 Mar 2020 | 13:20 | 13:20 | On the Use of Symmetry for Shaped-Beam Antennas Installed onto 8-U CubeSats | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Youngs, Ian | 16 Mar 2020 | 14:30 | 14:50 | Experimental Demonstration of Artificial Magnetic Conductors Constructed of Magnetically Coupled Helices | B4 | T07-A | Antenna theory and system design | T07 Defence and security / Regular Session / Antennas |
| Yousaf, Irfan | 18 Mar 2020 | 13:20 | 13:20 | Model Simplification and Validation of Virtual Prototypes for Vehicular Antenna Design | Exhibition Hall | Poster2-E03 | Poster Session 2: Computational and numerical techniques | Electromagnetics |
| Yrjölä, Seppo | 20 Mar 2020 | 09:30 | 09:50 | Assessing the Feasibility of the Spectrum Sharing Concepts for Private Industrial Networks Operating Above 5 GHz | A3 | CS37 | IRACON Spectrum Sharing: Challenges and Opportunities for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |

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|----------------------|-------------|-------|-------|---|------------------|------------------------|---|--|
| Yu, Haifeng | 16 Mar 2020 | 17:40 | 18:00 | Frequency Diverse Array Information Geometry Analysis | B5 | T08-A17 | Antennas and techniques for positioning and direction finding | T08 Positioning, localization & tracking / Regular Session / Antennas |
| Yu, Jong-Won | 19 Mar 2020 | 13:20 | 13:20 | A Gain-Enhanced Vivaldi Array Antenna with Corrugated Slots on Both Edges for Microwave Power Transmission | Exhibition Hall | Poster3-A20 | Poster Session 3: Antennas for wireless power transmission and harvesting | Antennas |
| Yu, Jong-Won | 19 Mar 2020 | 13:20 | 13:20 | CPW-Fed U-shaped Transparent Antenna for 5G Vehicle Sensor Application | Exhibition Hall | Poster3-A23 | Poster Session 3: Other antenna topics | Antennas |
| Yu, Jong-Won | 19 Mar 2020 | 13:20 | 13:20 | A Reverse Engineering Based on Insertion Loss for Estimating Sheet Resistance of Transparent Antenna | Exhibition Hall | Poster3-A23 | Poster Session 3: Other antenna topics | Antennas |
| Yu, Junyi | 16 Mar 2020 | 16:20 | 16:40 | Bi-directional Vehicle-to-Vehicle Radio Channel Characteristics over Bridge at 5.9 GHz | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Yu, Li | 18 Mar 2020 | 13:20 | 13:20 | Ray-tracing Based Channel Clustering and Analysis at 28 GHz in Conference Environment | Exhibition Hall | Poster2-P05 | Poster Session 2: Mm-wave and UWB propagation | Propagation |
| Yu, Li | 18 Mar 2020 | 16:00 | 16:40 | Application of Machine Learning to Wireless Channel Modeling | A2 | IS-Wed 1/2 | Invited Speaker Session | Propagation |
| Yu, Yao | 18 Mar 2020 | 08:50 | 09:10 | Quad Magnet-free Micro-acoustic RF Circulator with Intermodulation Suppression | B5 | CS47 | Non-Magnetic Nonreciprocity | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Yuan, Tao | 18 Mar 2020 | 13:20 | 13:20 | Wideband 8-Antenna Array with High Isolation for Sub-6 GHz MIMO Applications | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Yuan, Xiao-Ting | 18 Mar 2020 | 13:20 | 13:20 | Wideband 8-Antenna Array with High Isolation for Sub-6 GHz MIMO Applications | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Yuan, Zhiqiang | 18 Mar 2020 | 16:00 | 16:40 | Application of Machine Learning to Wireless Channel Modeling | A2 | IS-Wed 1/2 | Invited Speaker Session | Propagation |
| Yurduseven, Okan | 18 Mar 2020 | 08:30 | 08:50 | Towards a Si/GaAs Based Flat-Panel Quasi-Optical Metasurface Antenna with Switchable Beam Characteristics | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Yusuf, Marwan | 17 Mar 2020 | 13:20 | 13:20 | 60 GHz Path Loss Modelling Inside Ships | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Yusuf, Marwan | 18 Mar 2020 | 13:20 | 13:20 | Estimation of the Number of Persons in a Reverberant Environment Using Bistatic Radar | Exhibition Hall | Poster2-P12 | Poster Session 2: Radar, localisation, and sensing | Propagation |
| Zabihi, Roshanak | 20 Mar 2020 | 11:00 | 11:20 | 3D Simulation of Infinite Baffle Diffraction | B9 | T10-P02 | Propagation modelling and simulation | T10 EM modelling and simulation tools / Regular Session / Propagation |
| Zaghloul, Amir I | 19 Mar 2020 | 13:20 | 13:20 | Tailoring Fe80Co20 Composite Material for High Permeability at High RF Frequency for Antenna Applications | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Zaharia, Gheorghe | 17 Mar 2020 | 13:20 | 13:20 | Measurements of a Dynamic 60 GHz Radio Channel in an Open-Space Office | Exhibition Hall | Poster1-P04 | Poster Session 1: Propagation experimental methods and campaigns | Propagation |
| Zahran, Sherif R. | 17 Mar 2020 | 13:20 | 13:20 | An 8x8 Cavity Backed Waveguide Antenna Array for D-Band Backhauling Communications | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Zajic, Alenka | 17 Mar 2020 | 08:30 | 08:50 | Investigation of Resonance Based Propagation Loss Modeling for THz Chip-to-Chip Wireless Communications | A3 | CS35 | IET/IRACON Session: Propagation Measurements and Modelling for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Zajic, Alenka | 17 Mar 2020 | 13:20 | 13:20 | Remote Monitoring and Propagation Modeling of EM Side-Channel Signals for IoT Device Security | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Zajic, Alenka | 19 Mar 2020 | 14:50 | 15:30 | Channel Modeling at Sub-millimeter Wave and Terahertz Frequencies for Wireless Chip-to-Chip Communications | A3 | IS-Thu 2/1 | Invited Speaker Session | Propagation |
| Zajic, Alenka | 20 Mar 2020 | 09:10 | 09:30 | Terahertz MIMO Fading Analysis and Doppler Modeling in a Data Center Environment | B9 | T10-P02 | Propagation modelling and simulation | T10 EM modelling and simulation tools / Regular Session / Propagation |
| Zaman, Ashraf Uz | 17 Mar 2020 | 13:20 | 13:20 | Packaging Technique of Highly Integrated Circuits Based on EBG Structure for +100 GHz Applications | A2 (Poster Area) | Convened Poster 1-CS18 | Applications of mm-Wave Gap Waveguide Technology-I | T02 Millimetre wave 5G / Convened Session / Antennas |
| Zaman, Ashraf Uz | 17 Mar 2020 | 13:20 | 13:20 | A Compact Double-Layer Groove Gap Waveguide Power Divider with High Isolation | A2 (Poster Area) | Convened Poster 1-CS19 | Applications of mm-Wave Gap Waveguide Technology-II | T02 Millimetre wave 5G / Convened Session / Antennas |
| Zaman, Ashraf Uz | 18 Mar 2020 | 13:20 | 13:20 | A Method of Reducing Mutual Coupling for a Finite Array | Exhibition Hall | Poster2-A02 | Poster Session 2: Antenna interactions and coupling | Antennas |
| Zaman, Ashraf Uz | 18 Mar 2020 | 13:20 | 13:20 | A V-Band Low Sidelobe Cavity-Backed Slot Array Antenna Based on Gap Waveguide | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Zaman, Ashraf Uz | 18 Mar 2020 | 13:20 | 13:20 | A Series-fed High-Gain Gap Waveguide Planar Array Antenna Fed by Quasi-TEM Wave | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Zanella, Alberto | 17 Mar 2020 | 08:50 | 09:10 | A Hardware-in-the-Loop Evaluation of the Impact of the V2X Channel on the Traffic-Safety Versus Efficiency Trade-offs | A3 | CS35 | IET/IRACON Session: Propagation Measurements and Modelling for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Propagation |
| Zanic, Dominik | 16 Mar 2020 | 16:20 | 16:40 | Stable Positive/negative Capacitor for Use in Active Artificial Structures | B10 | CS24 | Controlling EM Waves with Low- and High-Dimensional Metamaterials | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Zannoni, Mario | 18 Mar 2020 | 11:00 | 11:20 | The Optical Combiner of QUBIC: The Q & U Bolometric Interferometer for Cosmology | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Zanoli, Massimiliano | 20 Mar 2020 | 09:30 | 09:50 | On the Focusing Technique for Hyperthermia Treatment Planning | B2 | T05-M06 | Dosimetry, exposure, and SAR assessment | T05 Biomedical and health / Regular Session / Measurements |

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|-------------------------|-------------|-------|-------|--|------------------|------------------------|---|--|
| Zarafeta, Konstantina | 18 Mar 2020 | 13:20 | 13:20 | Propagation Analysis for an Implanted Antenna Model at Pancreas | Exhibition Hall | Poster2-P10 | Poster Session 2: Propagation in biological tissues and body-area propagation | Propagation |
| Zarifi, Davood | 18 Mar 2020 | 13:20 | 13:20 | A Broadband Transition from Microstrip to Groove Gap Waveguide for Ka-Band Applications | Exhibition Hall | Poster2-A01 | Poster Session 2: Antenna theory | Antennas |
| Zarifi, Davood | 18 Mar 2020 | 13:20 | 13:20 | A V-Band Low Sidelobe Cavity-Backed Slot Array Antenna Based on Gap Waveguide | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Zea, Renato | 18 Mar 2020 | 11:40 | 12:00 | 3D Calibration of an Over-the-Air Testbed for GNSS CRPA Antenna Testing | A3 | CS06 | AMTA/IRACON Session: Over-The-Air Testing of 5G Radios | T02 Millimetre wave 5G / Convened Session / Measurements |
| Zebiri, Chemseddine | 17 Mar 2020 | 09:10 | 09:30 | Compact Millimeter-Wave MIMO Antenna for 5G Applications | B10 | CS39 | Machine Learning in Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Zebiri, Chemseddine | 17 Mar 2020 | 11:20 | 11:40 | A Compact Frequency Reconfigurable DRA for GSM, LTE, and 5G Applications Services | B10 | CS39 | Machine Learning in Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Zeiner, Andreas | 18 Mar 2020 | 13:20 | 13:20 | Telemetry Antennas Withstanding Very High Accelerations and Centrifugal Forces | A2 (Poster Area) | Convened Poster 2-CS14 | Antennas for Harsh Environment | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Zekios, Constantinos L. | 18 Mar 2020 | 12:00 | 12:20 | A Reconfigurable Origami Reflectarray | A2 | T09-A19 | Reflect arrays and transmit arrays | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Zelenchuk, Dmitry E | 17 Mar 2020 | 13:20 | 13:20 | Transmitarray Antenna for Converged Vortex Beam Generation and Steering | Exhibition Hall | Poster1-A19 | Poster Session 1: Reflect arrays and transmit arrays | Antennas |
| Zelenchuk, Dmitry E | 19 Mar 2020 | 13:20 | 13:20 | Low Profile Absorber Backed Extremely Wideband Antennas | Exhibition Hall | Poster3-A16 | Poster Session 3: UWB antennas and time-domain techniques | Antennas |
| Zemen, Thomas | 16 Mar 2020 | 13:30 | 13:50 | 60 GHz V2I Channel Variability for Different Elevation Angle Switching Strategies | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Zeng, Yanzhi | 18 Mar 2020 | 13:20 | 13:20 | Two-dimensional OAM Radar Imaging Using Uniform Circular Antenna Arrays | Exhibition Hall | Poster2-P12 | Poster Session 2: Radar, localisation, and sensing | Propagation |
| Zeng, Yunjia | 19 Mar 2020 | 13:20 | 13:20 | Power Allocation Optimization of A Conformal Antenna Array for Satellite Applications | Exhibition Hall | Poster3-A06 | Poster Session 3: Conformal antennas | Antennas |
| Zerguine, Azzedine | 19 Mar 2020 | 13:20 | 13:20 | A Compact Pattern Reconfigurable Antenna for UHF Internet of Things Applications | Exhibition Hall | Poster3-A13 | Poster Session 3: Adaptive and reconfigurable antennas | Antennas |
| Zerounian, Nicolas | 16 Mar 2020 | 13:50 | 14:10 | Broadband Offset-Reflector Beamformer on BCB in the 300-GHz Band | B10 | CS24 | Controlling EM Waves with Low- and High-Dimensional Metamaterials | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Zetterstrom, Oskar | 16 Mar 2020 | 14:50 | 15:10 | Prism-based Leaky-Lens Antennas at 60 GHz for 5G Point-to-Point Communication Links | B2 | CS21 | Challenges in Leaky Wave Antennas and Novel Approaches to Solve Them | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Zetterstrom, Oskar | 16 Mar 2020 | 13:50 | 14:10 | Holey Glide-Symmetric Waveguide Filters for 5G Communication Systems at Millimetre Wave Frequencies | B1 | SW04 | COST Session CA18223 (SyMat): Periodic Structures with Higher Symmetries | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Zetterstrom, Oskar | 16 Mar 2020 | 16:40 | 17:00 | Mode-matching Analysis of Loaded Transmission Lines with Twist Symmetries | B1 | SW04 | COST Session CA18223 (SyMat): Periodic Structures with Higher Symmetries | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Zetterstrom, Oskar | 16 Mar 2020 | 13:30 | 13:50 | Compressed Lenses via Transformation Optics for Mobile Satellite Communications | B8 | T09-A09 | Millimetre wave lens antennas for space applications | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Zetterstrom, Oskar | 16 Mar 2020 | 14:50 | 15:10 | Design of an Impedance-Matched Horn Antenna with Enhanced Directivity Using Conformal Transformation Optics | B8 | T09-A09 | Millimetre wave lens antennas for space applications | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Zetterstrom, Oskar | 18 Mar 2020 | 13:20 | 13:20 | Fully-Metallic Rinehart-Luneburg Lens at 60 GHz | A2 (Poster Area) | Convened Poster 2-CS36 | Innovative Lens Antennas for Future Communication Systems | T02 Millimetre wave 5G / Convened Session / Antennas |
| Zetterstrom, Oskar | 18 Mar 2020 | 13:20 | 13:20 | Glide-Symmetric Luneburg Lens Using Substrate-Integrated-Holes for 5G Communications at Ka-Band | A2 (Poster Area) | Convened Poster 2-CS41 | Metasurfaces for Mobile (5G and Beyond) and Satellite Communication Systems | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Zha, Heng | 17 Mar 2020 | 09:30 | 09:50 | Embedded 60-GHz mm-Wave Antennas in Non-mm-Wave Antennas Integrating a Package (AiAiP) for Motion Recognition in a Full-Screen Metal-Framed Cell Phone | A2 | T02-A04/2 | Millimetre wave arrays for mobile terminals | T02 Millimetre wave 5G / Regular Session / Antennas |
| Zhadobov, Maxim | 18 Mar 2020 | 13:20 | 13:20 | Optimal Frequency of Operation and Radiation Efficiency Limitations of Implantable Antennas | A2 (Poster Area) | Convened Poster 2-CS14 | Antennas for Harsh Environment | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Zhai, Wenyao | 17 Mar 2020 | 11:40 | 12:00 | Substrate Integrated Dual Linearly Polarized End-Fire Antenna Array Operating at 28GHz | A2 | T02-A04/2 | Millimetre wave arrays for mobile terminals | T02 Millimetre wave 5G / Regular Session / Antennas |
| Zhang, Anxue | 20 Mar 2020 | 09:10 | 09:30 | Evaluation of the Purity of OAM Modes Using the Reverberation Chamber Technique | B5 | T11-M05 | EMI/EMC/PIM chambers, instrumentation, and measurements | T11 Fundamental research and emerging technologies / Regular Session / Measurements |
| Zhang, Changhong | 16 Mar 2020 | 17:20 | 17:40 | Low-profile Millimeter-Wave Wideband Circularly Polarized Spiral Antenna Array | A2 | T02-A04/1 | Millimetre wave arrays for mobile communications | T02 Millimetre wave 5G / Regular Session / Antennas |
| Zhang, Fengchun | 17 Mar 2020 | 13:20 | 13:20 | Measured Millimeter-Wave Channels in Corridor Scenarios with Large-Scale Antenna Arrays | Exhibition Hall | Poster1-P03 | Poster Session 1: Channel sounding and parameter estimation techniques | Propagation |
| Zhang, Fuheng | 18 Mar 2020 | 13:20 | 13:20 | Microwave Polarization Converter with Multilayer Metasurface | Exhibition Hall | Poster2-E07 | Poster Session 2: Frequency and polarization selective surfaces | Electromagnetics |
| Zhang, Guiyuan | 18 Mar 2020 | 13:20 | 13:20 | Temporal-Range-Doppler Features Interpretation and Recognition of Hand Gestures Using mmW FMCW Radar Sensors | Exhibition Hall | Poster2-P12 | Poster Session 2: Radar, localisation, and sensing | Propagation |
| Zhang, Guojin | 19 Mar 2020 | 08:30 | 08:50 | A USRP-based Channel Sounder for UAV Communications | B7 | T06-P09 | Propagation for Unmanned Aerial Vehicles (UAVs) | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Propagation |
| Zhang, Hailin | 17 Mar 2020 | 13:20 | 13:20 | Reconfigurable All-dielectric Transmission Lens for Vortex Beam Generation | Exhibition Hall | Poster1-A07 | Poster Session 1: Dielectric resonator antennas | Antennas |
| Zhang, Hailin | 19 Mar 2020 | 13:20 | 13:20 | Phase-Gradient Metasurfaces for Efficient Conversion of Surface Wave to Propagating Wave | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |

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| Zhang, Heng | 17 Mar 2020 | 17:40 | 18:00 | Measurement Based Millimeter Wave Massive MIMO Channel Parameter Comparison | B10 | T11-P02/1 | Channel Modelling for Massive MIMO and Near-Field Communication Systems | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Zhang, Hong-Tao | 18 Mar 2020 | 13:20 | 13:20 | A Low-Profile Millimeter-Wave Circularly-Polarized Multilayer Waveguide Antenna Array for Satellite Communication Application | Exhibition Hall | Poster2-A10 | Poster Session 2: Slotted-waveguide and leaky-wave antennas | Antennas |
| Zhang, Hong-yin | 16 Mar 2020 | 17:40 | 18:00 | Research on a Kind of Asymmetric Scanning Phased Array Antenna | B4 | T07-A17 | Multiband, wideband and array antennas | T07 Defence and security / Regular Session / Antennas |
| Zhang, Huasheng | 16 Mar 2020 | 14:10 | 14:30 | On the Design of a 27-dBi Phased Array for 5G Point-to-Point Communications | A2 | CS02 | Advanced Antenna Arrays for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Antennas |
| Zhang, Huasheng | 16 Mar 2020 | 14:30 | 14:50 | Near-Field Beamforming in Leaky-Wave Resonant Antennas | B2 | CS21 | Challenges in Leaky Wave Antennas and Novel Approaches to Solve Them | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Zhang, Jiahao | 18 Mar 2020 | 09:50 | 10:10 | A Multi-Functional Compact Button Antenna for Wearable Applications | B2 | CS62 | Small Antenna in a Human Body Environment | T04 IoT and M2M / Convened Session / Antennas |
| Zhang, Jianhua | 16 Mar 2020 | 15:10 | 15:30 | Millimeter-Wave Channel Characteristics for V2V Communications in the Garage Entrance | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Zhang, Jianhua | 17 Mar 2020 | 13:20 | 13:20 | Analysis of Delay Characteristics at 4.9 GHz and 28 GHz in an Indoor Industrial Scenario | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Zhang, Jianhua | 18 Mar 2020 | 13:20 | 13:20 | Ray-tracing Based Channel Clustering and Analysis at 28 GHz in Conference Environment | Exhibition Hall | Poster2-P05 | Poster Session 2: Mm-wave and UWB propagation | Propagation |
| Zhang, Jianhua | 18 Mar 2020 | 13:20 | 13:20 | A Comparative Study for Indoor Factory Environments at 4.9 and 28 GHz | Exhibition Hall | Poster2-P05 | Poster Session 2: Mm-wave and UWB propagation | Propagation |
| Zhang, Jianhua | 18 Mar 2020 | 16:00 | 16:40 | Application of Machine Learning to Wireless Channel Modeling | A2 | IS-Wed 1/2 | Invited Speaker Session | Propagation |
| Zhang, Jianhua | 20 Mar 2020 | 12:00 | 12:20 | A Gamma Beta Mixture Model for Channel Multipath Components Clustering | B9 | T10-P02 | Propagation modelling and simulation | T10 EM modelling and simulation tools / Regular Session / Propagation |
| Zhang, Jiaying | 19 Mar 2020 | 13:20 | 13:20 | Measurement of OFDM Signals with PAPR Reduction in the Presence of Hardware Impairments | Exhibition Hall | Poster3-M09 | Poster Session 3: MIMO and OTA testing | Measurements |
| Zhang, Jie | 17 Mar 2020 | 13:20 | 13:20 | Propagation Analysis of Terahertz OAM Waves in Atmospheric Turbulent Environment | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Zhang, Jie | 17 Mar 2020 | 13:20 | 13:20 | Propagation Model for UCA-based OAM Communications in Six-Ray Canyon Channels | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Zhang, Jie | 17 Mar 2020 | 13:20 | 13:20 | Mode Modulation Based Multi-Mode Transmitter for Line-of-Sight Propagation | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Zhang, Jie | 17 Mar 2020 | 17:40 | 18:00 | Measurement Based Millimeter Wave Massive MIMO Channel Parameter Comparison | B10 | T11-P02/1 | Channel Modelling for Massive MIMO and Near-Field Communication Systems | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Zhang, Jie | 18 Mar 2020 | 13:20 | 13:20 | Two-dimensional OAM Radar Imaging Using Uniform Circular Antenna Arrays | Exhibition Hall | Poster2-P12 | Poster Session 2: Radar, localisation, and sensing | Propagation |
| Zhang, Jiliang | 17 Mar 2020 | 17:40 | 18:00 | Measurement Based Millimeter Wave Massive MIMO Channel Parameter Comparison | B10 | T11-P02/1 | Channel Modelling for Massive MIMO and Near-Field Communication Systems | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Zhang, Jiliang | 18 Mar 2020 | 13:20 | 13:20 | Two-dimensional OAM Radar Imaging Using Uniform Circular Antenna Arrays | Exhibition Hall | Poster2-P12 | Poster Session 2: Radar, localisation, and sensing | Propagation |
| Zhang, Jin | 17 Mar 2020 | 10:40 | 11:00 | Frequency Reconfigurable Endfire Vertical Polarized Array for 5G Handset Applications | A2 | T02-A04/2 | Millimetre wave arrays for mobile terminals | T02 Millimetre wave 5G / Regular Session / Antennas |
| Zhang, Jingwei | 17 Mar 2020 | 08:30 | 08:50 | Reconfigurable Terahertz Reflectarray Based on Graphene Radiating Patches | B1 | CS38 | ISAP Session: Recent Advances in Asian Antennas and Propagation Research | T02 Millimetre wave 5G / Convened Session / Antennas |
| Zhang, Junxun | 17 Mar 2020 | 13:20 | 13:20 | An Ultra-wideband Reflectarray Antenna Using Connected Dipoles for Multifunctional Systems | Exhibition Hall | Poster1-A19 | Poster Session 1: Reflect arrays and transmit arrays | Antennas |
| Zhang, Kang | 18 Mar 2020 | 13:20 | 13:20 | Temporal-Range-Doppler Features Interpretation and Recognition of Hand Gestures Using mmW FMCW Radar Sensors | Exhibition Hall | Poster2-P12 | Poster Session 2: Radar, localisation, and sensing | Propagation |
| Zhang, Long | 17 Mar 2020 | 13:20 | 13:20 | An Ultra-wideband Reflectarray Antenna Using Connected Dipoles for Multifunctional Systems | Exhibition Hall | Poster1-A19 | Poster Session 1: Reflect arrays and transmit arrays | Antennas |
| Zhang, Long | 19 Mar 2020 | 13:20 | 13:20 | An Ultra-Wideband Stacked Spiral-Helix Composite Antenna | Exhibition Hall | Poster3-A11 | Poster Session 3: Multiband and wideband antennas | Antennas |
| Zhang, Miao | 18 Mar 2020 | 13:20 | 13:20 | A 16x16-Element Single-Layer Full-Corporate-Fed SIW Slot Array Antenna | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Zhang, Ming | 19 Mar 2020 | 13:20 | 13:20 | Impact of Probe Coupling on Emulation Accuracy in Massive MIMO OTA Testing | Exhibition Hall | Poster3-M09 | Poster Session 3: MIMO and OTA testing | Measurements |
| Zhang, Muhan | 16 Mar 2020 | 15:10 | 15:30 | Design of a Wide-Scan Lens Based Focal Plane Array for Sub-millimeter Imaging Systems Using Coherent Fourier Optics | B4 | T07-A | Antenna theory and system design | T07 Defence and security / Regular Session / Antennas |
| Zhang, Ruiheng | 19 Mar 2020 | 13:20 | 13:20 | A Hybrid Beamforming-Based Transceiver with Antenna in Package for Millimeter-Wave Small Cell | Exhibition Hall | Poster3-A14 | Poster Session 3: Active and integrated antennas | Antennas |
| Zhang, Shiyu | 16 Mar 2020 | 14:50 | 15:10 | Cold Sintered CaTiO3-K2MoO4 Microwave Dielectric Ceramics for Integrated Microstrip Patch Antennas | B11 | T11-E08 | Metamaterials, metasurfaces and advanced materials | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Zhang, Shiyu | 16 Mar 2020 | 15:10 | 15:30 | Fabrication of Artificial Dielectrics via Stereolithography Based 3D-Printing | B11 | T11-E08 | Metamaterials, metasurfaces and advanced materials | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |

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| Zhang, Shiyu | 18 Mar 2020 | 13:20 | 13:20 | Quasi-Periodic Metasurfaces and Their Equivalent Dielectric Models | A2 (Poster Area) | Convened Poster 2-CS41 | Metasurfaces for Mobile (5G and Beyond) and Satellite Communication Systems | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Zhang, Shuai | 17 Mar 2020 | 09:10 | 09:30 | A Novel Lens Antenna Design Based on a Bed of Nails Metasurface for New Generation Mobile Devices | A2 | T02-A04/2 | Millimetre wave arrays for mobile terminals | T02 Millimetre wave 5G / Regular Session / Antennas |
| Zhang, Shuai | 17 Mar 2020 | 10:40 | 11:00 | Frequency Reconfigurable Endfire Vertical Polarized Array for 5G Handset Applications | A2 | T02-A04/2 | Millimetre wave arrays for mobile terminals | T02 Millimetre wave 5G / Regular Session / Antennas |
| Zhang, Shuai | 17 Mar 2020 | 13:20 | 13:20 | Wind Turbine Blade Deflection Sensing Using Blade-Mounted Ultrawideband Antennas | A2 (Poster Area) | Convened Poster 1-CS57 | Recent Research on Wind Turbines: EM Modelling and Measurements | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Zhang, Shuai | 18 Mar 2020 | 09:10 | 09:30 | User Body Effects on Mobile Antennas and Wireless Systems of 5G Communication | B2 | CS62 | Small Antenna in a Human Body Environment | T04 IoT and M2M / Convened Session / Antennas |
| Zhang, Shuai | 18 Mar 2020 | 13:20 | 13:20 | Millimeter-Wave Wide Scan Beam Steering 5G MIMO Antenna Array in Mobile Terminals | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Zhang, Shuai | 18 Mar 2020 | 13:20 | 13:20 | Retrieval of Effective Permittivity and Permeability of Periodic Structures on Dielectric and Magnetic Substrates | Exhibition Hall | Poster2-E07 | Poster Session 2: Frequency and polarization selective surfaces | Electromagnetics |
| Zhang, Shuai | 19 Mar 2020 | 08:50 | 09:10 | Incident Power Density Assessment Study for 5G Millimeter-Wave Handset Based on Equivalent Currents Method | A3 | CS34 | IET/AMTA Session: Test and Measurement Challenges for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Measurements |
| Zhang, Shuai | 19 Mar 2020 | 13:20 | 13:20 | Shared Aperture Dual S- And X-band Antenna for Nano-Satellite Applications | Exhibition Hall | Poster3-A11 | Poster Session 3: Multiband and wideband antennas | Antennas |
| Zhang, Shuai | 20 Mar 2020 | 12:00 | 12:20 | Transparent mm-Wave Array on a Glass Substrate with Surface Wave Reduction | B10 | CS11 | Antenna Design and Fundamental Bounds with External Constraints | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Zhang, ShunSheng | 17 Mar 2020 | 13:20 | 13:20 | Processing Azimuth-Time Domain Aliasing in Spaceborne Sliding-Spotlight SAR Imaging | Exhibition Hall | Poster1-M04 | Poster Session 1: Data acquisition, imaging algorithms and processing methods | Measurements |
| Zhang, Tianling | 17 Mar 2020 | 13:20 | 13:20 | A Compact Double-Layer Groove Gap Waveguide Power Divider with High Isolation | A2 (Poster Area) | Convened Poster 1-CS19 | Applications of mm-Wave Gap Waveguide Technology-II | T02 Millimetre wave 5G / Convened Session / Antennas |
| Zhang, Tianling | 18 Mar 2020 | 13:20 | 13:20 | A Method of Reducing Mutual Coupling for a Finite Array | Exhibition Hall | Poster2-A02 | Poster Session 2: Antenna interactions and coupling | Antennas |
| Zhang, Tianling | 18 Mar 2020 | 13:20 | 13:20 | A Series-fed High-Gain Gap Waveguide Planar Array Antenna Fed by Quasi-TEM Wave | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Zhang, Wanpeng | 18 Mar 2020 | 13:20 | 13:20 | Ray-tracing Based Channel Clustering and Analysis at 28 GHz in Conference Environment | Exhibition Hall | Poster2-P05 | Poster Session 2: Mm-wave and UWB propagation | Propagation |
| Zhang, Weidong | 18 Mar 2020 | 09:30 | 09:50 | Effect of Metal Resistive Losses on the Gain of a THz Planar Spiral Antenna | B8 | CS55 | Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Zhang, Wenzhang | 18 Mar 2020 | 12:00 | 12:20 | Broadband Metasurface-Based Antenna Using Hexagonal Loop Elements | B1 | CS45 | New Perspectives and Applications of Characteristic Mode Analysis in Antenna Design | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Zhang, Xiang | 18 Mar 2020 | 09:30 | 09:50 | The Study of 5G Massive MIMO End-to-End MPAC Test Solution | A3 | CS06 | AMTA/IRACON Session: Over-The-Air Testing of 5G Radios | T02 Millimetre wave 5G / Convened Session / Measurements |
| Zhang, Xiao | 18 Mar 2020 | 13:20 | 13:20 | Wideband 8-Antenna Array with High Isolation for Sub-6 GHz MIMO Applications | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Zhang, Xiao | 19 Mar 2020 | 13:20 | 13:20 | An Ultra-Wideband Stacked Spiral-Helix Composite Antenna | Exhibition Hall | Poster3-A11 | Poster Session 3: Multiband and wideband antennas | Antennas |
| Zhang, Xiuyin | 17 Mar 2020 | 18:00 | 18:20 | A Dual-Polarized Rectenna with High Efficiency at Low Input Power Density | A2 | T04-A20 | Wireless power transfer and inductive coupling | T04 IoT and M2M / Regular Session / Antennas |
| Zhang, Xiuyin | 19 Mar 2020 | 13:20 | 13:20 | High-Efficiency Rectifiers with Wide Input Power Range and Application on Powering Wireless Sensors | Exhibition Hall | Poster3-A20 | Poster Session 3: Antennas for wireless power transmission and harvesting | Antennas |
| Zhang, Xu | 16 Mar 2020 | 17:40 | 18:00 | Measurement and Diffuse Multipath Analysis of V2V Propagation Channel at 5.9 GHz in Tunnel Area | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Zhang, Xue | 16 Mar 2020 | 15:10 | 15:30 | Millimeter-Wave Channel Characteristics for V2V Communications in the Garage Entrance | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Zhang, Yan | 18 Mar 2020 | 13:20 | 13:20 | Frequency Selective Surface with Polarization Staggered Bands | Exhibition Hall | Poster2-E07 | Poster Session 2: Frequency and polarization selective surfaces | Electromagnetics |
| Zhang, Yanchao | 19 Mar 2020 | 13:20 | 13:20 | Integration of Circularly Polarized Microstrip Slot Array Antenna with Amorphous Silicon Solar Cells | Exhibition Hall | Poster3-A14 | Poster Session 3: Active and integrated antennas | Antennas |
| Zhang, Ying | 17 Mar 2020 | 13:20 | 13:20 | An Iterative Minimization Algorithm for Array Diagnosis in the Presence of Array Errors Using Amplitude-only Far Field Data | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Zhang, Yue Ping | 17 Mar 2020 | 15:30 | 16:10 | Antenna-in-Package Technology | A2 | IS-Tue 1/2 | Invited Speaker Session | Antennas |
| Zhang, Yuxiang | 18 Mar 2020 | 16:00 | 16:40 | Application of Machine Learning to Wireless Channel Modeling | A2 | IS-Wed 1/2 | Invited Speaker Session | Propagation |
| Zhang, Zhechen | 20 Mar 2020 | 12:00 | 12:20 | Scattering Control of Wideband Phased Arrays Using Metamaterial Absorbers | B4 | T11-E06 | Scattering and diffraction | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Zhang, Zhen | 18 Mar 2020 | 16:00 | 16:40 | Application of Machine Learning to Wireless Channel Modeling | A2 | IS-Wed 1/2 | Invited Speaker Session | Propagation |
| Zhang, Zheng | 19 Mar 2020 | 13:20 | 13:20 | Integration of Circularly Polarized Microstrip Slot Array Antenna with Amorphous Silicon Solar Cells | Exhibition Hall | Poster3-A14 | Poster Session 3: Active and integrated antennas | Antennas |

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| Zhang, Zhi-Zhong | 16 Mar 2020 | 17:20 | 17:40 | Low-profile Millimeter-Wave Wideband Circularly Polarized Spiral Antenna Array | A2 | T02-A04/1 | Millimetre wave arrays for mobile communications | T02 Millimetre wave 5G / Regular Session / Antennas |
| Zhao, Jianyao | 17 Mar 2020 | 18:00 | 18:20 | Massive MIMO Channel Measurement and Characterization for Manufacturing Scenario | B10 | T11-P02/1 | Channel Modelling for Massive MIMO and Near-Field Communication Systems | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Zhao, Kun | 17 Mar 2020 | 09:10 | 09:30 | A Novel Lens Antenna Design Based on a Bed of Nails Metasurface for New Generation Mobile Devices | A2 | T02-A04/2 | Millimetre wave arrays for mobile terminals | T02 Millimetre wave 5G / Regular Session / Antennas |
| Zhao, Kun | 18 Mar 2020 | 09:10 | 09:30 | User Body Effects on Mobile Antennas and Wireless Systems of 5G Communication | B2 | CS62 | Small Antenna in a Human Body Environment | T04 IoT and M2M / Convened Session / Antennas |
| Zhao, Kun | 19 Mar 2020 | 08:50 | 09:10 | Incident Power Density Assessment Study for 5G Millimeter-Wave Handset Based on Equivalent Currents Method | A3 | CS34 | IET/AMTA Session: Test and Measurement Challenges for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Measurements |
| Zhao, Liyi | 20 Mar 2020 | 09:50 | 10:10 | How Radiation Propagates in Random Media: Spatial Structure of Transmission Eigenchannels | B4 | T11-E06 | Scattering and diffraction | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Zhao, Yichen | 18 Mar 2020 | 09:30 | 09:50 | The Study of 5G Massive MIMO End-to-End MPAC Test Solution | A3 | CS06 | AMTA/IRACON Session: Over-The-Air Testing of 5G Radios | T02 Millimetre wave 5G / Convened Session / Measurements |
| Zhao, Yixiong | 19 Mar 2020 | 13:20 | 13:20 | Temperature Characterization of High-Q Resonators of Different Materials for mm-Wave Indoor Localization Tag Landmarks | Exhibition Hall | Poster3-A21 | Poster Session 3: Additive manufacturing | Antennas |
| Zhekov, Stanislav Stefanov | 19 Mar 2020 | 11:20 | 11:40 | Effect of Dielectric Properties of Human Hand Tissue on Mobile Terminal Antenna Performance | A2 | T01-A02 | Terminal antennas and interactions with surroundings | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Zheng, Kai | 18 Mar 2020 | 13:20 | 13:20 | Characterizing 60 GHz Patch Antenna Segments for Fully Digital Transceiver | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Zheng, Pei | 19 Mar 2020 | 09:10 | 09:30 | Miniaturized Base-station Antenna Element with Sinuously Bent Arms | A2 | T01-A11 | Multiband and wideband antennas | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Zheng, Pei | 19 Mar 2020 | 13:20 | 13:20 | Miniaturization of Base-station Antenna Element Using Non-uniform Meta-surface | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Zheng, Shucheng | 19 Mar 2020 | 10:40 | 11:00 | Overview of Surface-Volume-Surface Electric Field Integral Equation Formulations for 3-D Composite Metal-Dielectric Objects | B8 | CS30 | Fundamental Challenges and Novel Methodologies in the Next-Generation Computational Electromagnetics | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Zheng, Shufeng | 19 Mar 2020 | 13:20 | 13:20 | A Beam Steerable Resonant Cavity Antenna Based on Tunable Partially Reflective Surface | Exhibition Hall | Poster3-A13 | Poster Session 3: Adaptive and reconfigurable antennas | Antennas |
| Zheng, Tianyu | 16 Mar 2020 | 14:10 | 14:30 | Degenerate Band Edge Resonances in Air-filled Substrate Integrated Waveguide | B11 | T11-E08 | Metamaterials, metasurfaces and advanced materials | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Zheng, Xuezhi | 19 Mar 2020 | 17:40 | 18:00 | Modal Analysis of Deep Nanoscale Plasmonic Structures: Nonlocal Hydrodynamic Approach | A2 | CS42 | Nano and Quantum Antennas | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Zheng, Zhi | 17 Mar 2020 | 13:20 | 13:20 | Frequency Diverse Array Beamforming Using Particle Swarm Optimization | Exhibition Hall | Poster1-A19 | Poster Session 1: Reflect arrays and transmit arrays | Antennas |
| Zhong, Bingguang | 19 Mar 2020 | 09:50 | 10:10 | A Broadband Dual-Polarized Dipole Antenna for LTE and 5G Base Station | A2 | T01-A11 | Multiband and wideband antennas | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Zhong, Weizhi | 17 Mar 2020 | 13:20 | 13:20 | A Novel 3D Beam Training Strategy for mmWave UAV Communications | Exhibition Hall | Poster1-P03 | Poster Session 1: Channel sounding and parameter estimation techniques | Propagation |
| Zhong, Weizhi | 18 Mar 2020 | 13:20 | 13:20 | On the Second Order Statistics of 3D Non-Stationary UAV Channels Allowing Velocity Variations | Exhibition Hall | Poster2-P09 | Poster Session 2: Propagation for vehicular communications | Propagation |
| Zhong, Weizhi | 18 Mar 2020 | 13:20 | 13:20 | Modeling and Simulation for UAV Air-to-Ground mmWave Channels | Exhibition Hall | Poster2-P09 | Poster Session 2: Propagation for vehicular communications | Propagation |
| Zhong, Yu | 19 Mar 2020 | 11:20 | 11:40 | Multi-Resolution Through-the-Wall Microwave Imaging of Strong Scatterers | B9 | T10-E05/1 | Electromagnetic Methods for Direct and Inverse Scattering Involving Stratified Media | T10 EM modelling and simulation tools / Regular Session / Electromagnetics |
| Zhong, Zhangdui | 18 Mar 2020 | 13:20 | 13:20 | Clustering Performance Evaluation Algorithm for Vehicle-to-Vehicle Radio Channels | Exhibition Hall | Poster2-P09 | Poster Session 2: Propagation for vehicular communications | Propagation |
| Zhong, Zhimeng | 17 Mar 2020 | 18:00 | 18:20 | Massive MIMO Channel Measurement and Characterization for Manufacturing Scenario | B10 | T11-P02/1 | Channel Modelling for Massive MIMO and Near-Field Communication Systems | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Zhou, Daiying | 17 Mar 2020 | 13:20 | 13:20 | An Iterative Minimization Algorithm for Array Diagnosis in the Presence of Array Errors Using Amplitude-only Far Field Data | Exhibition Hall | Poster1-A17 | Poster Session 1: Array antennas, antenna systems and architectures (incl. radomes) | Antennas |
| Zhou, Di | 16 Mar 2020 | 14:50 | 15:10 | Cold Sintered CaTiO ₃ -K ₂ MoO ₄ Microwave Dielectric Ceramics for Integrated Microstrip Patch Antennas | B11 | T11-E08 | Metamaterials, metasurfaces and advanced materials | T11 Fundamental research and emerging technologies / Regular Session / Electromagnetics |
| Zhou, Jiafeng | 18 Mar 2020 | 12:00 | 12:20 | Broadband Metasurface-Based Antenna Using Hexagonal Loop Elements | B1 | CS45 | New Perspectives and Applications of Characteristic Mode Analysis in Antenna Design | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Zhou, Min | 18 Mar 2020 | 08:30 | 08:50 | Multifocus Reflectarray Concept: Preliminary Design and Possible Applications | A2 | T09-A19 | Reflect arrays and transmit arrays | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Zhou, Min | 18 Mar 2020 | 08:50 | 09:10 | Design of Ka-band Reflectarray Antennas for High Resolution SAR Instrument | A2 | T09-A19 | Reflect arrays and transmit arrays | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Zhou, Min | 18 Mar 2020 | 14:50 | 15:30 | Computational Electromagnetics in Space | A3 | IS-Wed 2/1 | Invited Speaker Session | Electromagnetics |

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| Zhou, Min | 19 Mar 2020 | 17:00 | 17:20 | Design of Advanced Reflectarrays for Future CubeSat Applications | B11 | SW05 | ESA Session: Selected Papers from the 40th ESA Workshop on Antenna Developments for Terrestrial and Small-Space Platforms | T09 Space (incl. cubesat) / Regular Session / Antennas |
| Zhou, Na | 19 Mar 2020 | 13:20 | 13:20 | A Beam Steerable Resonant Cavity Antenna Based on Tunable Partially Reflective Surface | Exhibition Hall | Poster3-A13 | Poster Session 3: Adaptive and reconfigurable antennas | Antennas |
| Zhou, Ning | 16 Mar 2020 | 16:20 | 16:40 | Bi-directional Vehicle-to-Vehicle Radio Channel Characteristics over Bridge at 5.9 GHz | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Zhou, Xinyao | 19 Mar 2020 | 13:20 | 13:20 | Graphene Printed Flexible and Conformal Array Antenna on Paper Substrate for 5.8GHz Wireless Communications | Exhibition Hall | Poster3-A12 | Poster Session 3: Wearable and implantable antennas | Antennas |
| Zhou, Yanni | 20 Mar 2020 | 09:30 | 09:50 | Full Duplex Spatial Modulation System Performance Depending on Self-interference Cancellation Accuracy | A2 | T01-A22 | MIMO, diversity, smart antennas & signal processing | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Zhou, Yihua | 16 Mar 2020 | 17:40 | 18:00 | 28 GHz Millimeter Wave Multibeam Antenna Array with Compact Reconfigurable Feeding Network | A2 | T02-A04/1 | Millimetre wave arrays for mobile communications | T02 Millimetre wave 5G / Regular Session / Antennas |
| Zhou, Yijun | 19 Mar 2020 | 13:20 | 13:20 | Power Allocation Optimization of A Conformal Antenna Array for Satellite Applications | Exhibition Hall | Poster3-A06 | Poster Session 3: Conformal antennas | Antennas |
| Zhu, Anding | 17 Mar 2020 | 11:20 | 11:40 | A Millimeter-Wave Dual Band Antenna with Circular Polarization | A2 | T02-A04/2 | Millimetre wave arrays for mobile terminals | T02 Millimetre wave 5G / Regular Session / Antennas |
| Zhu, Hailiang | 19 Mar 2020 | 09:10 | 09:30 | Miniaturized Base-station Antenna Element with Sinuously Bent Arms | A2 | T01-A11 | Multiband and wideband antennas | T01 LTE and Sub-6GHz 5G / Regular Session / Antennas |
| Zhu, Hailiang | 19 Mar 2020 | 13:20 | 13:20 | Miniaturization of Base-station Antenna Element Using Non-uniform Meta-surface | Exhibition Hall | Poster3-E08 | Poster Session 3: Metamaterials, metasurfaces and EBG | Electromagnetics |
| Zhu, He | 16 Mar 2020 | 13:50 | 14:10 | A Wideband Differentially Fed Multi-beam Antenna Array | A2 | CS02 | Advanced Antenna Arrays for 5G and Beyond | T02 Millimetre wave 5G / Convened Session / Antennas |
| Zhu, He | 17 Mar 2020 | 08:50 | 09:10 | Achieving Wider Impedance Bandwidth Using Full-Wavelength Dipoles | B1 | CS38 | ISAP Session: Recent Advances in Asian Antennas and Propagation Research | T02 Millimetre wave 5G / Convened Session / Antennas |
| Zhu, Liju | 20 Mar 2020 | 09:50 | 10:10 | Implementation and Evaluation of Ray-Tracing Acceleration Methods in Wireless Communication | B9 | T10-P02 | Propagation modelling and simulation | T10 EM modelling and simulation tools / Regular Session / Propagation |
| Zhu, Lina | 17 Mar 2020 | 13:20 | 13:20 | Reconfigurable All-dielectric Transmission Lens for Vortex Beam Generation | Exhibition Hall | Poster1-A07 | Poster Session 1: Dielectric resonator antennas | Antennas |
| Zhu, Qian | 18 Mar 2020 | 13:20 | 13:20 | Switched Beam Lens Antennas Fed with Magneto-Electric Dipoles | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Zhu, Qiuming | 17 Mar 2020 | 13:20 | 13:20 | A Novel 3D Beam Training Strategy for mmWave UAV Communications | Exhibition Hall | Poster1-P03 | Poster Session 1: Channel sounding and parameter estimation techniques | Propagation |
| Zhu, Qiuming | 18 Mar 2020 | 13:20 | 13:20 | On the Second Order Statistics of 3D Non-Stationary UAV Channels Allowing Velocity Variations | Exhibition Hall | Poster2-P09 | Poster Session 2: Propagation for vehicular communications | Propagation |
| Zhu, Qiuming | 18 Mar 2020 | 13:20 | 13:20 | Modeling and Simulation for UAV Air-to-Ground mmWave Channels | Exhibition Hall | Poster2-P09 | Poster Session 2: Propagation for vehicular communications | Propagation |
| Zhu, Xiaowei | 18 Mar 2020 | 13:20 | 13:20 | Metasurface-Based Circularly-Polarized Multibeam Reflect-/Transmit-Arrays | A2 (Poster Area) | Convened Poster 2-CS41 | Metasurfaces for Mobile (5G and Beyond) and Satellite Communication Systems | T09 Space (incl. cubesat) / Convened Session / Antennas |
| Zhu, Xu | 17 Mar 2020 | 09:30 | 09:50 | A Dual-Polarized 5G Base Station Antenna Using Machine-Learning Based Optimization Method | B10 | CS39 | Machine Learning in Antennas | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Zhu, Zhimin | 17 Mar 2020 | 09:50 | 10:10 | Embedded 5G Wideband Dual-Polarized mm-Wave Antennas in Non-mm-Wave Antennas Integrating a Package (AiAiP) for a Metal-Framed Cell Phone | A2 | T02-A04/2 | Millimetre wave arrays for mobile terminals | T02 Millimetre wave 5G / Regular Session / Antennas |
| Zhurbenko, Vitaliy | 17 Mar 2020 | 13:20 | 13:20 | Matching and Decoupling Networks for Receive-only MRI Arrays | A2 (Poster Area) | Convened Poster 1-CS27 | Electromagnetics in MRI Applications | T05 Biomedical and health / Convened Session / Electromagnetics |
| Zhurbenko, Vitaliy | 17 Mar 2020 | 13:20 | 13:20 | Enhanced Low Frequency MRI Using Flexible Shape Arrays Made of Standard Wire | A2 (Poster Area) | Convened Poster 1-CS27 | Electromagnetics in MRI Applications | T05 Biomedical and health / Convened Session / Electromagnetics |
| Zhurbenko, Vitaliy | 17 Mar 2020 | 13:20 | 13:20 | Design and Implementation of Solenoid and Alderman-Grant Coils for Magnetic Resonance Microscopy at 7T | A2 (Poster Area) | Convened Poster 1-CS27 | Electromagnetics in MRI Applications | T05 Biomedical and health / Convened Session / Electromagnetics |
| Zhurbenko, Vitaliy | 17 Mar 2020 | 13:20 | 13:20 | Design of a Quadrature Coil for MRI of Carbon in Human Liver at 7T | A2 (Poster Area) | Convened Poster 1-CS27 | Electromagnetics in MRI Applications | T05 Biomedical and health / Convened Session / Electromagnetics |
| Zhurbenko, Vitaliy | 18 Mar 2020 | 13:20 | 13:20 | Wideband Tapered Slot Antenna for D-Band Applications | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Zia, Ghina | 18 Mar 2020 | 11:20 | 11:40 | Broadband Dielectric Measurements of Ex-Vivo Uterine Fibroid Tissues over the Ablative Temperature Range | B6 | SW03 | COST Session CA17115 (MyWAVE): Supporting Medical Device Development via Dielectric and Thermal Tissue Characterization | T05 Biomedical and health / Convened Session / Measurements |
| Zich, Riccardo Enrico | 16 Mar 2020 | 14:50 | 15:10 | SNO Optimization Technique Applied to Reflectarray Antennas Design | B9 | CS64 | Trends and Advances in Machine Learning for Applied Electromagnetics | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Zich, Rodolfo | 17 Mar 2020 | 18:00 | 18:20 | Wiener-Hopf Analysis of the Scattering from an Abruptly Ended Dielectric Slab Waveguide | B9 | CS32 | High-Frequency Methods and Applications | T10 EM modelling and simulation tools / Convened Session / Electromagnetics |
| Zilberti, Luca | 18 Mar 2020 | 13:20 | 13:20 | Gradient-induced Heating of a Metallic Hip Implant in Magnetic Resonance Imaging | Exhibition Hall | Poster2-E03 | Poster Session 2: Computational and numerical techniques | Electromagnetics |
| Ziolkowski, Richard | 17 Mar 2020 | 16:40 | 17:00 | Electrically Small Antenna with Broadside and Monopole-Like Beam Reconfigurability | B1 | CS58 | Reconfigurable Antennas for Compact Devices | T04 IoT and M2M / Convened Session / Antennas |

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| Ziolkowski, Richard | 18 Mar 2020 | 13:20 | 13:20 | Metamaterial-inspired Near-Field Resonant Parasitic Dipole Antennas on High Permittivity Dielectrics | A2 (Poster Area) | Convened Poster 2-CS29 | Exotic Antennas from Nano to Macro Scales | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Ziolkowski, Richard | 19 Mar 2020 | 08:30 | 08:50 | Engineering the Realizations of Localized Waves with Independently Addressable Pulse Driven Arrays | B4 | CS44 | Near-Field Focusing and Pulse Generation Through Localized Waves | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Ziolkowski, Richard | 19 Mar 2020 | 16:40 | 17:00 | Nonperturbative Dynamics of Quantum Antennas | A2 | CS42 | Nano and Quantum Antennas | T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics |
| Ziolkowski, Richard | 20 Mar 2020 | 09:30 | 09:50 | High Directivity, Omnidirectional Horizontally Polarized Antenna Array for Wireless Power Transfer in Internet-of-Things Applications | B10 | CS11 | Antenna Design and Fundamental Bounds with External Constraints | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Ziolkowski, Richard | 20 Mar 2020 | 11:40 | 12:00 | Electrically Small Huygens Dipole Rectennas for Wirelessly Powering Internet-of-Things Sensors | B1 | CS33 | IET Session: New Antenna Systems Involving Application of Metamaterials and Metasurfaces | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Zirath, Herbert | 17 Mar 2020 | 13:20 | 13:20 | Packaging Technique of Highly Integrated Circuits Based on EBG Structure for +100 GHz Applications | A2 (Poster Area) | Convened Poster 1-CS18 | Applications of mm-Wave Gap Waveguide Technology-I | T02 Millimetre wave 5G / Convened Session / Antennas |
| Zöchmann, Erich | 16 Mar 2020 | 13:30 | 13:50 | 60 GHz V2I Channel Variability for Different Elevation Angle Switching Strategies | A3 | T02-P09 | Propagation Channels for Wide-Sense Vehicle-to-X Communications | T02 Millimetre wave 5G / Regular Session / Propagation |
| Zöchmann, Erich | 17 Mar 2020 | 13:20 | 13:20 | A Bandwidth Scalable Millimetre Wave Over-The-Air Test System with Low Complexity | Exhibition Hall | Poster1-P02 | Poster Session 1: Propagation modelling and simulation | Propagation |
| Zolesi, Marcello | 17 Mar 2020 | 13:20 | 13:20 | C Band Self Diplexed Tx/Rx Feed System for Telecom | Exhibition Hall | Poster1-A18 | Poster Session 1:Reflector, feed systems, and components | Antennas |
| Zorzi, Michele | 17 Mar 2020 | 17:00 | 17:20 | Machine Learning-aided Design of Thinned Antenna Arrays for Optimized Network Level Performance | B5 | CS28 | EuMA/EurAAP Session: From Radiating Section to Digital Interface - Research and Design Trends for an End-To-End Approach of Highly Integrated Active Antenna Systems | T02 Millimetre wave 5G / Convened Session / Antennas |
| Zou, Yongqing | 18 Mar 2020 | 13:20 | 13:20 | A Low-Profile Millimeter-Wave Circularly-Polarized Multilayer Waveguide Antenna Array for Satellite Communication Application | Exhibition Hall | Poster2-A10 | Poster Session 2: Slotted-waveguide and leaky-wave antennas | Antennas |
| Zouros, Grigorios | 18 Mar 2020 | 13:20 | 13:20 | Volume Integral Equation Formulation for Electromagnetic Scattering by Highly Inhomogeneous Anisotropic Cylinders | Exhibition Hall | Poster2-E02 | Poster Session 2: EM theory and analytical techniques | Electromagnetics |
| Zubair, Muhammad | 19 Mar 2020 | 09:50 | 10:10 | Space-Fractional Bessel Beams with Self-Healing and Diffraction-Free Propagation Characteristics | B4 | CS44 | Near-Field Focusing and Pulse Generation Through Localized Waves | T11 Fundamental research and emerging technologies / Convened Session / Antennas |
| Zubir, Farid | 17 Mar 2020 | 09:10 | 09:30 | Single and Dual Beam Waveguide Slotted Antenna Using 3D Printing Technique for 5G Application | B1 | CS38 | ISAP Session: Recent Advances in Asian Antennas and Propagation Research | T02 Millimetre wave 5G / Convened Session / Antennas |
| Zucchi, Marcello | 19 Mar 2020 | 12:00 | 12:20 | Temperature-Corrected SAR Focusing in Cancer Hyperthermia | B7 | T11-P10 | Propagation in biological tissues | T11 Fundamental research and emerging technologies / Regular Session / Propagation |
| Zweije, Remko | 17 Mar 2020 | 08:30 | 08:50 | Loco-regional Hyperthermia Delivery: Patient-specific Set-Up Procedures for Treatment Optimisation | B7 | SW02 | COST Session CA17115 (MyWAVE): Developments in Electromagnetic-Based Medical Technologies | T05 Biomedical and Health / Convened Session / Electromagnetics |
| Zwick, Thomas | 16 Mar 2020 | 16:00 | 16:20 | Dual-Polarized Dielectric Resonator Antenna Array for 5G Mobile Radio Base Stations | A2 | T02-A04/1 | Millimetre wave arrays for mobile communications | T02 Millimetre wave 5G / Regular Session / Antennas |
| Zwick, Thomas | 17 Mar 2020 | 13:20 | 13:20 | In-Antenna Power Combining for Highly-Integrated Millimeter-Wave Transmitters | A2 (Poster Area) | Convened Poster 1-CS17 | Antennas with Multi-Port/Distributed Feeding and On-Antenna Power-Combining for Efficient Integration and Reconfigurability | T02 Millimetre wave 5G / Convened Session / Antennas |
| Zwick, Thomas | 17 Mar 2020 | 17:00 | 17:20 | Extraction of Scattering Centers Using a Greedy Algorithm for Traffic Participant | B7 | CS03 | Advanced Radar Measurements, Modelling and System Solutions for Vehicular Applications | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Convened Session / Measurements |
| Zwick, Thomas | 18 Mar 2020 | 09:10 | 09:30 | A Capacitively Coupled Patch Antenna Array for an Enlarged Bandwidth at 77 GHz | B7 | T06-A17 | Automotive antennas | T06 Aircraft (incl. UAV, UAS, RPAS) and automotive / Regular Session / Antennas |
| Zwick, Thomas | 18 Mar 2020 | 13:20 | 13:20 | Broadband Dual-Polarized Stacked Microstrip Antenna with Pin-And Edge-Feed for 5G Applications in Ka-Band | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Zwick, Thomas | 18 Mar 2020 | 13:20 | 13:20 | Circular-Polarization Mushroom EBG Antenna Module for 122 GHz Monostatic Radar Sensor in LTCC Technology | Exhibition Hall | Poster2-A04 | Poster Session 2: Mm-, sub-mm-wave, and nano-optical antennas | Antennas |
| Zwick, Thomas | 19 Mar 2020 | 08:50 | 09:10 | An OCDM Radar-Communication System | B5 | CS25 | Convergence of Mobile Radio and Radar | T08 Positioning, localization & tracking / Convened Session / Propagation |