

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
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
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	Reflectarrays and Transmitarrays	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
Aguili, 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
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
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
Alieidin, 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
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 Abdulraheem	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 Abdulraheem	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 Abdulraheem	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 Abdulraheem	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 Abdulraheem	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 Abdulraheem	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 Abdulraheem	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
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, Sławomir 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
Andreello, 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: Reflectarrays and Transmitarrays	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
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
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, Gnana 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	Reflectarrays and Transmitarrays	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
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
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
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, 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, Nezah	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, Ilango	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, Ilango	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
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
Barbuto, 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
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, Juraj	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, Lotfi	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
Beaskoetxea, 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	Reflectarrays and Transmitarrays	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
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 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
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
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-E02	Poster Session 2: EM Theory and Analytical Techniques	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
Berit, 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	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
Besnier, Philippe	20 Mar 2020	09:10	09:30	Comparison of Antenna Radiation Efficiency Measurement Techniques in Reverberation Chamber Using or Not a Reference Antenna	B5	T11-M05	EMI/EMC/PIM chambers, instrumentation, and measurements	T11 Fundamental research and emerging technologies / Regular Session / Measurements
Bester, Alo-Hélène	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 TM10δ 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
Bicais, 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, Stéphane	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, Stéphane	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, Stéphane	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, Stéphane	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
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
Bleuwaq, 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
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	Reflectarrays and Transmitarrays	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
Boontamchaui, 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	17:20	17:40	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
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
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		16:40	17:00	Water-Based Microwave Absorber	B4	CS67	Water-Based Microwave Devices	T11 Fundamental research and emerging technologies / Convened Session / Electromagnetics
	17 Mar 2020							
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
Breensing, 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

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 QBIC: 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 QBIC: 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 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
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
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
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
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
Cerveny, 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 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
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
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	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, Juan	20 Mar 2020	09:30	09:50	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, 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
Chen, Shih-Yuan	17 Mar 2020	09:30	09:50	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	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, Xiaoming	20 Mar 2020	09:30	09:50	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, 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
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, 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, 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
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	11:40	12:00	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
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
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: Reflectarrays and Transmitarrays	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
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-A23	Poster Session 3: Other Antenna Topics	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, 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
Czerkowski, 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-A23	Poster Session 3: Other Antenna Topics	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
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	EMI/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 Tencil	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	Reflectarrays and Transmitarrays	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

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
Dehmolaian, 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
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: Reflectarrays and Transmitarrays	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
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
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
Djurdjevic, 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
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
Domínguez-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
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
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: Reflectarrays and Transmitarrays	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, Torbjorn	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
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	Reflectarrays and Transmitarrays	T09 Space (incl. cubesat) / Regular Session / Antennas
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	Reflectarrays and Transmitarrays	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	Reflectarrays and Transmitarrays	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	17:20	17:40	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	Reflectarrays and Transmitarrays	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
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/IRACON 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
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
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
Fencel, 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	Reflectarrays and Transmitarrays	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: Reflectarrays and Transmitarrays	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 Tencil	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-García, 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-Martínez, 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
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
Fhager, 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	Reflectarrays and Transmitarrays	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 Tencil	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
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: Reflectarrays and Transmitarrays	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	17:40	18:00	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
Forner, 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
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
Freilikhner, 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/IRACON 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	11:00	11:20	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
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: Reflectarrays and Transmitarrays	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	09:50	10:10	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
Gao, Steven	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
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: Reflectarrays and Transmitarrays	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
Gayer, 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
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	Reflectarrays and Transmitarrays	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
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
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
Golubic, 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-A23	Poster Session 3: Other Antenna Topics	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
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	Reflectarrays and Transmitarrays	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
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	Reflectarrays and Transmitarrays	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 5G NR 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
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	Reflectarrays and Transmitarrays	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: Reflectarrays and Transmitarrays	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
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

Hamarneh, 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
Hammoud, 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
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	Reflectarrays and Transmitarrays	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
Hazmi, Ali	19 Mar 2020	12:00	12:20	Throughput and Spherical Coverage Performance of mmWave Dual Polarized Antenna Arrays	A3	CS34	IET/AMTA Session: Test and Measurement Challenges for 5G and Beyond	T02 Millimetre wave 5G / Convened Session / 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, Ruisi	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, Ruisi	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: Reflectarrays and Transmitarrays	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
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

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: Reflectarrays and Transmitarrays	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 16×16-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
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	10:40	11:00	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
Hrabar, 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
Hrabar, 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
Hrabar, 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	Mode Modulation Based Multi-Mode Transmitter for Line-of-Sight Propagation	Exhibition Hall	Poster1-P02	Poster Session 1: Propagation Modelling and Simulation	Propagation
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, 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
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 16×16-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	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, Huilin	20 Mar 2020	09:30	09:50	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, 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
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
Ijeh, 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
İrğin, 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
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	Reflectarrays and Transmitarrays	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-E02	Poster Session 2: EM Theory and Analytical Techniques	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
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, Ahmadsreza	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
Janusziewicz, 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
Jaroszewicz, 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: Reflectarrays and Transmitarrays	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
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
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	17:20	17:40	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: Reflectarrays and Transmitarrays	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-Llacer, 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
Junghähnel, 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
Jurisc 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, Abdul sattar	18 Mar 2020	12:00	12:20	A Reconfigurable Origami Reflectarray	A2	T09-A19	Reflectarrays and Transmitarrays	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
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 System 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
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
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, 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
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, 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, 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
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
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	Reflectarrays and Transmitarrays	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
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
Kourogiorgas, 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	20 Mar 2020	09:10	09:30	Comparison of Antenna Radiation Efficiency Measurement Techniques in Reverberation Chamber Using or Not a Reference Antenna	B5	T11-M05	EMI/EMC/PIM chambers, instrumentation, and measurements	T11 Fundamental research and emerging technologies / Regular Session / 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
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
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	Point of Care Microwave Sensors	T05 Biomedical and health / Regular Session / Antennas
La Spada, Luigi	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
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	Point of Care Microwave Sensors	T05 Biomedical and health / Regular Session / Antennas
Lacoste, Celia	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
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
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
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: Reflectarrays and Transmitarrays	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: Reflectarrays and Transmitarrays	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
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	EMI/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
Lemmetyinen, 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: Reflectarrays and Transmitarrays	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
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	09:30	09:50	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	09:30	09:50	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, 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	11:40	12:00	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: Reflectarrays and Transmitarrays	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	11:20	11:40	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, 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: Reflectarrays and Transmitarrays	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: Reflectarrays and Transmitarrays	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
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	09:30	09:50	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: Reflectarrays and Transmitarrays	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
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: Reflectarrays and Transmitarrays	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, 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
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, 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

López-Morales, Manuel José	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-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: Reflectarrays and Transmitarrays	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
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
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: Reflectarrays and Transmitarrays	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
Maurer, 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
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	Appliqué: 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
Maltra, 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
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	Reflectarrays and Transmitarrays	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
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	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
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
Martinez, 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
Martinez-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	Reflectarrays and Transmitarrays	T09 Space (incl. cubesat) / Regular Session / Antennas
Martinez-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	Reflectarrays and Transmitarrays	T09 Space (incl. cubesat) / Regular Session / Antennas
Martinez-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	Reflectarrays and Transmitarrays	T09 Space (incl. cubesat) / Regular Session / Antennas
Martinez-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	Reflectarrays and Transmitarrays	T09 Space (incl. cubesat) / Regular Session / Antennas
Martinez-Ingles, Maria-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
Martinez-Ingles, Maria-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
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	Reflectarrays and Transmitarrays	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
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: Reflectarrays and Transmitarrays	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
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
Meckenbräuer, 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
Meckenbräuer, 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
Meckenbräuer, 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	17:20	17:40	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
Memeletoglou, 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
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 Quadraxially 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
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	Reflectarrays and Transmitarrays	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
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	11:00	11:20	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
Molilanen, 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-García-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-García-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
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
Monserat, 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-Peñarribia, 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 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
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	EMI/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: Reflectarrays and Transmitarrays	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: Reflectarrays and Transmitarrays	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
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
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: Reflectarrays and Transmitarrays	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, Ajeck 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
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
Niccolai, 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
Nicolaci, Pasquale	19 Mar 2020	18:00	18:20	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
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-A23	Poster Session 3: Other Antenna Topics	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	Reflectarrays and Transmitarrays	T09 Space (incl. cubesat) / Regular Session / Antennas
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

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

Olimi, 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
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
Orehhov, 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
O'Sullivan, Croidhe	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, Croidhe	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
Ouir, 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
Ouir, 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
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 TM10δ 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	Reflectarrays and Transmitarrays	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	Reflectarrays and Transmitarrays	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	17:20	17:40	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
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
Papadopoulou, 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
Pariikh, 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 5G NR 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, 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	10:40	11:00	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
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-E02	Poster Session 2: EM Theory and Analytical Techniques	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
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
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
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
Perregini, 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
Petersson, 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
Pezerini, 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
Pezerini, 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
Pezerini, 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
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
Pierrì, 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
Pierrì, 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	Reflectarrays and Transmitarrays	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	Reflectarrays and Transmitarrays	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	Reflectarrays and Transmitarrays	T09 Space (incl. cubesat) / Regular Session / Antennas
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
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
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
Ptitcyn, Grigorii	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
Pullainen, 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
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: Reflectarrays and Transmitarrays	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	Reflectarrays and Transmitarrays	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
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 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
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
Ramazania 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: Reflectarrays and Transmitarrays	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
Ramos, Glaucio 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, Glaucio 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 SpaceFrequency 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
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-E02	Poster Session 2: EM Theory and Analytical Techniques	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 TE210 and TE120 Mode	A2	CS02	Advanced Antenna Arrays for 5G and Beyond	T02 Millimetre wave 5G / Convened Session / Antennas
Ren, Yongli	17 Mar 2020	11:20	11:40	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
Revelles, 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
Richalot, Elodie	20 Mar 2020	09:10	09:30	Comparison of Antenna Radiation Efficiency Measurement Techniques in Reverberation Chamber Using or Not a Reference Antenna	B5	T11-M05	EMI/EMC/PIM chambers, instrumentation, and measurements	T11 Fundamental research and emerging technologies / Regular Session / 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
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
Rodenca, 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

Rodríguez 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
Rodríguez 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
Rodríguez, 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
Rodríguez, 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
Rodríguez, 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
Rodríguez, 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
Rodríguez, 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
Rodríguez, 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' Characterization	Exhibition Hall	Poster1-P04	Poster Session 1: Propagation Experimental Methods and Campaigns	Propagation
Rodríguez, 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, Rocío	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
Rodríguez-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
Rodríguez-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	Reflectarrays and Transmitarrays	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
Roederer, Antoine	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

Roederer, Antoine	19 Mar 2020	16:40	17:00	A Tribute to Niels Eilskov Jensen	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
Roef, Artem	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
Rogier, Hendrik	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
Rogier, Hendrik	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
Rolfes, Ilona	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
Romano, Filomena	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
Romero-Peña, J. Samuel	17 Mar 2020	11:00	11:20	Irregular MultiFocal Reflector for Efficient mmWave Propagation in Indoor Environments	A3	CS35	IET/IRACON Session: Propagation Measurements and Modelling for 5G and Beyond	T02 Millimetre wave 5G / Convened Session / Propagation
Romeu, Jordi	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
Romeu, Jordi	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
Romier, Maxime	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
Rose, Georg	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
Rpste, Terje	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
Rougerie, Sebastien	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
Rougerie, Sebastien	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
Roumeliotis, John	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
Roussel, Hélène	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
Roussel, Hélène	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
Rousstia, Mohadig	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
Row, Jeen-Sheen	19 Mar 2020	13:20	13:20	Mechanically Circular Polarization Reconfigurable Antenna	Exhibition Hall	Poster3-A13	Poster Session 3: Adaptive and Reconfigurable Antennas	Antennas
Rubæk, Tonny	19 Mar 2020	17:20	17:40	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
Rudd, Richard	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
Rudneva, Ksenia	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
Rueda, Alfredo	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
Rügamer, Alexander	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
Ruiz García, Jorge	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

Ruiz-Cruz, Jorge A	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
Rustemi, Alajdin	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
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, Lisseth	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
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
Salimitorkamani, 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, Yuri	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
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
Sammut, 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
Sammut, 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
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	20 Mar 2020	09:10	09:30	Comparison of Antenna Radiation Efficiency Measurement Techniques in Reverberation Chamber Using or Not a Reference Antenna	B5	T11-M05	EMI/EMC/PIM chambers, instrumentation, and measurements	T11 Fundamental research and emerging technologies / Regular Session / 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
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, Toshiki	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
Scapaticci, 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
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	Reflectarrays and Transmitarrays	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

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
Sedmeir, 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
Simple, 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
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	11:00	11:20	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-A23	Poster Session 3: Other Antenna Topics	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
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, 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	08:50	09:10	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
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
Shoaib, 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
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
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: Reflectarrays and Transmitarrays	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
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	Appliqué: 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	20 Mar 2020	09:10	09:30	Comparison of Antenna Radiation Efficiency Measurement Techniques in Reverberation Chamber Using or Not a Reference Antenna	B5	T11-M05	EMI/EMC/PIM chambers, instrumentation, and measurements	T11 Fundamental research and emerging technologies / Regular Session / 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
Soliman, 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
Solis, 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, Lizabeth	17 Mar 2020	13:20	13:20	Ultrawideband Transmitarray Employing Connected Slot-Bowtie Dipole Elements	Exhibition Hall	Poster1-A19	Poster Session 1: Reflectarrays and Transmitarrays	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	Reflectarrays and Transmitarrays	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	Reflectarrays and Transmitarrays	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	17:20	17:40	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
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-A23	Poster Session 3: Other Antenna Topics	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
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
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, 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
Supreeyatikul, 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
Sushko, Oleksandr	19 Mar 2020	18:20	18:40	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
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: Reflectarrays and Transmitarrays	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
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: Reflectarrays and Transmitarrays	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
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
Thoelet, 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	12:00	12:20	Throughput and Spherical Coverage Performance of mmWave Dual Polarized Antenna Arrays	A3	CS34	IET/AMTA Session: Test and Measurement Challenges for 5G and Beyond	T02 Millimetre wave 5G / Convened Session / 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
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	11:00	11:20	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
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
Treuttel, 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
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: Reflectarrays and Transmitarrays	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
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 Rhoo, 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
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 SSPPs-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
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	17:20	17:40	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
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
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
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: Reflectarrays and Transmitarrays	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	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	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	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
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
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 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

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
Wijtvet, 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	11:40	12:00	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: Reflectarrays and Transmitarrays	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
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 TE210 and TE120 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	09:30	09:50	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-A23	Poster Session 3: Other Antenna Topics	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

Xie, Yanzhao	20 Mar 2020	09:50	10:10	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	11:20	11:40	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	08:50	09:10	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	11:00	11:20	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
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	11:20	11:40	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 TE210 and TE120 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
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
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, 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
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	Reflectarrays and Transmitarrays	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: Reflectarrays and Transmitarrays	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				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
	16 Mar 2020	13:50	14:10					
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				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
	16 Mar 2020	13:50	14:10					
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	08:50	09:10	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
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	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	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	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: Reflectarrays and Transmitarrays	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: Reflectarrays and Transmitarrays	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 16×16-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
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, 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, 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: Reflectarrays and Transmitarrays	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	Reflectarrays and Transmitarrays	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	Reflectarrays and Transmitarrays	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
Zhou, Min	19 Mar 2020	17:20	17:40	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
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