

Programme for the 14th European Conference on Antennas and Propagation (EuCAP 2020) (ver. 31 Mar 2020)

		Application Tracks - Colour Legend																			
		T01 LTE and Sub-6GHz 5G			T02 Millimetre wave 5G			T03 Wireless LANs			T04 IoT and M2M			T05 Biomedical and health			T06 Aircraft (incl. UAV, UAS, RPAS) and automotive			T07 Defence and security	
		T08 Positioning, localization & tracking			T09 Space (incl. cubesat)			T10 EM modelling and simulation tools			T11 Fundamental research and emerging technologies			T12 Scientific/Industrial Workshops			T13 Bicentennial Session				
Time		A2	A3	B1	B2	B4	B5	B6	B7	B8	B9	B10	B11	B3	Room 6	see below					
Monday, 16 March																					
09:00-10:00	OC: Opening Ceremony																				
10:00-10:40	IK 01: Keynote 1																				
10:40-11:10									Coffee Break (Exhibition Hall)												
11:10-11:50	IK 02: Keynote 2																				
11:50-12:30	IK 03: Keynote 3																				
12:30-13:30									Lunch (Exhibition Hall)												
13:30-15:30	CS02: Advanced Antenna Arrays for 5G and Beyond	T02-P09: Propagation Channels for Wide-Sense Vehicle-to-X Communications	SW04: COST Session CA18223 (SyMat): Periodic Structures with Higher Symmetries	CS21: Challenges in Leaky Wave Antennas and Novel Approaches to Solve Them	T07-A01: Antenna Theory and System Design	T08-A17: Antennas and Techniques for Positioning and Direction Finding	T05-A12/1: Wearable and Implantable Antennas	CS05: AMTA Session: Automotive Antenna Measurements and Testing	T09-A09: Millimetre-wave Lens Antennas for Space Applications	CS64: Trends and Advances in Machine Learning for Applied Electromagnetics	CS24: Controlling EM Waves with Low- and High-Dimensional Metamaterials	T11-E08: Metamaterials, Metasurfaces and Advanced Materials	IW05: Frontline of 5G Workshop: Insights on 5G Antenna & Propagation R&D from Sony and Regional Partners (Sony)								
15:30-16:00									Coffee Break (Exhibition Hall)												
16:00-18:00	T02-A04/1: Millimetre-wave Arrays for Mobile Communications	T02-P09: (cont'd)	SW04: (cont'd)	T04-A08: IoT Antennas	T07-A17: Multiband, Wideband and Array Antennas	T08-A17: (cont'd)	T05-A12/1: (cont'd)	T06-M03: Near-field, Far-field, Compact and RCS Range Measurement Techniques	T05-E05: Microwave Imaging	CS43: Near- and Far-Field Wireless Power Transfer	CS24: (cont'd)	T11-E08: (cont'd)	IW01: Key Advantages of Combining Measurements and Simulations for Antenna Applications (MVG)								
Tuesday, 17 March																					
08:30-10:10	T02-A04/2: Millimetre-wave Arrays for Mobile Terminals	CS35: IET/IRACON Session: Propagation Measurements and Modelling for 5G and Beyond	CS38: ISAP Session: Recent Advances in Asian Antennas and Propagation Research	CS16: Antennas in IoT Wireless Devices: Modelling and Industrial Considerations	T11-M02: Radar Scattering Measurement and Calibration Techniques	CS01: Active Antennas for Onboard Space Applications	CS60: Sensors and Systems for Microwave Biomedical Imaging and Sensing	SW02: COST Session CA17115 (MyWAVE): Developments in Electromagnetic-Based Medical Technologies	T09-P08: Satellite Propagation	CS09: Analytical and Numerical Methods for Metasurface Analysis and Design	CS39: Machine Learning in Antennas	BC/1: History of Electromagnetism 1	SW08: Challenges of Modern Material Measurements			EurAAP 5: WG Active Array Antennas (8:30-10:10, Room: 17)					
10:10-10:40									Coffee Break (Exhibition Hall)												
10:40-12:20	T02-A04/2: (cont'd)	CS35: (cont'd)	CS38: (cont'd)	CS16: (cont'd)	T10-M10: General Antenna Measurements	CS01: (cont'd)	CS60: (cont'd)	SW02: (cont'd)	T09-P08: (cont'd)	CS09: (cont'd)	CS39: (cont'd)	T10-E03/1: Computational and Numerical Techniques 1	SW08: (cont'd)			EurAAP 3: WG Software and modelling (10:40-12:20, Room: 17)					
12:20-13:20									Lunch (Exhibition Hall)												
13:20-14:50	Convened Poster Sessions 1: Room A2 (Poster Area) CS08: Analysis, Design and Use of Microwave Techniques, Models, Systems, and Antennas for Showpack Avalanches Monitoring CS10: Antenna Array and Integrated Systems for 5G Communication Applications CS17: Antennas with Multi-Port/Distributed Feeding and On-Antenna Power-Combining for Efficient Integration and Reconfigurability CS18: Applications of mm-Wave Gap Waveguide Technology-I CS19: Applications of mm-Wave Gap Waveguide Technology-II CS27: Electromagnetics in MRI Applications CS57: Recent Research on Wind Turbines: EM Modelling and Measurements							Regular Poster Sessions 1: Exhibition Hall A07: Dielectric Resonator Antennas A09: Propagation Experimental Methods and Campaigns A17: Array Antennas, Antenna Systems and Architectures (incl. Radomes) A18: Reflector, Feed Systems, and Components A19: Reflectarrays and Transmitarrays A22: MIMO, Diversity, Smart Antennas & Signal Processing							M01: Material Characterisation and Non-destructive Testing M03: Near-field, Far-field, Compact and RCS Range Measurement Techniques M04: Data Acquisition, Imaging Algorithms and Processing Methods P02: Propagation Modelling and Simulation P03: Channel Sounding and Parameter Estimation Techniques P04: Propagation Experimental Methods and Campaigns				EurAAP 1: WG Measurements + AMTA Europe (12:50-14:50, Room: 5), EurAAP 2: WG Small Antennas (12:40-14:00, Room: 17)		
14:50-15:30	IS-Tue 1/1: Invited Speaker Session	IS-Tue 2/1: Invited Speaker Session																			
15:30-16:10	IS-Tue 1/2: Invited Speaker Session																				
16:10-16:40									Coffee Break (Exhibition Hall)												
16:40-18:20	T04-A20: Wireless Power Transfer and Inductive Coupling	CS56: Recent Advances on Electronically Steerable Antenna Arrays at mm-Wave Frequencies	CS58: Reconfigurable Antennas for Compact Devices	T04-A15: RFID and Backscattering Antennas	CS67: Water-Based Microwave Devices	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	SW01: COST Session CA15104 (IRACON): Measurements and Simulations in Channel Modelling in Wireless Body Area Networks	CS03: Advanced Radar Measurements, Modelling and System Solutions for Vehicular Applications	CS15: Antennas for Radio Astronomy	CS32: High-Frequency Methods and Applications	T11-P02/1: Channel Modelling for Massive MIMO and Near-Field Communication Systems	T10-E03/2: Computational and Numerical Techniques 2	IW04: CTG Workshop on Advances in Antenna Measurements (Antenna Systems Solutions S.L.)	IW10: Sophisticated Antenna Development for Modern Hearing Aids (WS Audiology)							
Wednesday, 18 March																					
08:30-10:10	T09-A19: Reflectarrays and Transmitarrays	CS06: AMTA/IRACON Session: Over-The-Air Testing of 5G Radios	CS45: New Perspectives and Applications of Characteristic Mode Analysis in Antenna Design	CS62: Small Antenna in a Human Body Environment	CS26: Education in Electromagnetics, Antennas, and Microwaves	CS47: Non-Magnetic Nonreciprocity	SW03: COST Session CA17115 (MyWAVE): Supporting Medical Device Development via Dielectric and Thermal Tissue Characterization	T06-A17: Automotive Antennas	CS55: Recent Advances in Terahertz Antennas for Radio-Astronomy and Space Exploration	CS66: Unconventional Techniques and Applications for Inverse Scattering Problems	T11-P02/2: Machine Learning in Radio Propagation	BC/2: History of Electromagnetism 2	IW06: Active Impedance Assessment and Beamforming Optimization for mm-Wave Antenna Arrays (Optenni Ltd)	IW09: 5G Antenna Array Design and Integration Simulation (ANSYS)							
10:10-10:40									Coffee Break (Exhibition Hall)												
10:40-12:20	T09-A19: (cont'd)	CS06: (cont'd)	CS45: (cont'd)	CS62: (cont'd)	CS26: (cont'd)	CS47: (cont'd)	SW03: (cont'd)	T06-A17: (cont'd)	CS55: (cont'd)	CS66: (cont'd)	T11-P04: Experimental Methods and Campaigns	T06-M10: UAV-Based Antenna Measurements (AMTA)	IW02: Analysis and Design of Advanced Antenna Systems using TICRA Tools (TICRA)	IW07: State-of-the-art in Antenna System Simulation with CST Studio Suite (Dassault Systemes)							
12:20-13:20									Lunch (Exhibition Hall)												
13:20-14:50	Convened Poster Sessions 2: Room A2 (Poster Area) CS14: Antennas for Harsh Environment CS29: Exotic Antennas from Nano to Macro Scales CS36: Innovative Lens Antennas for Future Communication Systems CS41: Metasurfaces for Mobile (5G and Beyond) and Satellite Communication Systems CS50: Novel Wave Phenomena in Metamaterials and Metasurfaces Applied to Antennas and Propagation CS61: Signal Processing Techniques for Advanced Electromagnetics Synthesis, Analysis, and Measurements							Regular Poster Sessions 2: Exhibition Hall A01: Antenna Theory A02: Antenna Interactions and Coupling A04: Mm-, Sub-mm-wave, and Nano-optical Antennas A08: Electrically Small Antennas A10: Slotted-waveguide and Leaky-wave Antennas E02: EM Theory and Analytical Techniques E03: Computational and Numerical Techniques E04: Optimisation Methods in EM							E05: Imaging and Inverse Scattering E06: Scattering and Diffraction, E07: Frequency and Polarization Selective Surfaces P05: Mm-wave and UWB Propagation P09: Propagation for Vehicular Communications P10: Propagation in Biological Tissues and Body Area Propagation P12: Radar, Localisation, and Sensing P13: Radio Science and Remote Sensing						
14:50-15:30	IS-Wed 1/1: Invited Speaker Session	IS-Wed 2/1: Invited Speaker Session																			
15:30-16:00									Coffee Break (Exhibition Hall)												
16:00-16:40	IS-Wed 1/2: Invited Speaker Session	IS-Wed 2/2: Invited Speaker Session																			
16:40-17:45									Conference Dinner (Wallmans)												
17:45-18:00																					
18:00-23:59																ESoA: ESoA Meeting (16:00-18:00, Room: 5)					
Thursday, 19 March																					
08:30-10:10	T01-A11: Multiband and Wideband Antennas	CS34: IET/AMTA Session: Test and Measurement Challenges for 5G and Beyond	T02-P02: Millimetre-wave Propagation Modelling	CS46: New Trends in Leaky Wave Antennas	CS44: Near-Field Focusing and Pulse Generation Through Localized Waves	CS25: Convergence of Mobile Radio and Radar	T05-A12/2: Point of Care Microwave Sensors	T06-P09: Propagation for Unmanned Aerial Vehicles (UAVs)	CS30: Fundamental Challenges and Novel Methodologies in the Next-Generation Computational Electromagnetics	T10-E05/1: Electromagnetic Methods for Direct and Inverse Scattering Involving Stratified Media	CS07: AMTA/EurAAP Session: Post Processing Techniques in Antenna Measurements	BC/3: History of Electromagnetism 3	SW07: H2020 Project ACASIAS (GA N° 723167) - Antennas for Integration into Aircraft Structure	IW03: Efficiently Simulating and Optimising Antenna Placement in Virtual Test Scenarios (Altair)							
10:10-10:40									Coffee Break (Exhibition Hall)												
10:40-12:20	T01-A02: Terminal Antennas and Interactions with Surroundings	CS34: (cont'd)	T01-P02: Propagation Modelling and Simulation	CS46: (cont'd)	CS44: (cont'd)	CS25: (cont'd)	T05-A12/2: (cont'd)	T11-P10: Propagation in Biological Tissues	CS30: (cont'd)	T10-E05/1: (cont'd)	CS07: (cont'd)	T11-E01: EM Theory	SW07: (cont'd)								
12:20-13:20									Lunch (Exhibition Hall)												
13:20-14:50	Best Paper Awards Poster Sessions: Room A2 (Poster Area) Antennas Electromagnetics Propagation Measurement Best Student Paper							Regular Poster Sessions 3: Exhibition Hall A06: Conformal Antennas A11: Multiband and Wideband Antennas A12: Wearable and Implantable Antennas A13: Adaptive and Reconfigurable Antennas A14: Active and Integrated Antennas A15: RFID Antennas/Sensors and Systems A16: UWB Antennas and Time-Domain Techniques A20: Antennas for Wireless Power Transmission and Harvesting							A21: Additive Manufacturing A23: Other Antenna Topics E08: Metamaterials, Metasurfaces and EBG M07: Satellite and Aerospace Antenna Characterisation M09: MIMO and OTA Testing M10: General Antenna Measurements M11: Other Measurement Topics						
14:50-15:30	IS-Thu 1/1: Invited Speaker Session	IS-Thu 2/1: Invited Speaker Session																			
15:30-16:10	IS-Thu 1/2: Invited Speaker Session	IS-Thu 2/2: Invited Speaker Session																			
16:10-16:40									Coffee Break (Exhibition Hall)												
16:40-18:00	CS42: Nano and Quantum Antennas	CS49: Novel Techniques for Beam Manipulation at Millimeter	T03-A11: Antennas for WLAN Applications	T02-A10: Leaky-wave and Traveling-wave Antennas	CS63: State of the Art in Antenna Research in Russia	CS31: GNSS Antennas and Systems for Challenged RF Environment	T05-A12/3: Body Area Antennas and Sensor Systems	T06-P12: Radar, Localisation and Sensing for Aircraft and Automotive Applications	T09-P13: Propagation Aspects in Remote Sensing	T10-E05/2: Imaging and Inverse Scattering	CS48: Novel Antenna Measurement Data Analysis and Techniques	SW05: ESA Session: Selected Papers from the 40th ESA Workshop on Antenna Developments for Terrestrial and Small-Space Platforms				EurAAP 4: WG Propagation (18:00-20:00, Room: B8)					
18:00-18:20																					
18:20-18:40																					
18:40-20:00																					
Friday, 20 March																					
08:30-10:10	T01-A22: MIMO, Diversity, Smart Antennas & Signal Processing	CS37: IRACON Spectrum Sharing: Challenges and Opportunities for 5G and Beyond	CS33: IET Session: New Antenna Systems Involving Application of Metamaterials and Metasurfaces	T05-M06: Dosimetry, Exposure, and SAR Assessment	T11-E06: Scattering and Diffraction	T11-M05: EMI/EMC/PIM Chambers, Instrumentation, and Measurements	SW06: H2020 Session ID764479 (EMERALD): Electromagnetic Imaging for a Novel Generation of Medical Devices	T06-A11: Aircraft Antennas	CS59: Reconfigurable Reflectarray and Transmitarrays	T10-P02: Propagation Modelling and Simulation	CS11: Antenna Design and Fundamental Bounds with External Constraints	CS20: Assessment and Modeling of Antennas and Radio Channels Jointly	SW09: Integration Challenges for Low-cost Mm-wave Phased Arrays								
10:10-10:40									Coffee Break (Exhibition Hall)												
10:40-12:20	T01-A22: (cont'd)	CS37: (cont'd)	CS33: (cont'd)	T02-M08: Mm-wave, THz, and Quasi-optical Antenna Measurements	T11-E06: (cont'd)	T11-M01: Material Characterisation and Non-destructive Testing	SW06: (cont'd)	T06-A11: (cont'd)	CS59: (cont'd)	T10-P02: (cont'd)	CS11: (cont'd)	CS20: (cont'd)	SW09: (cont'd)								