EuCAP 2014 Final Programme

[k]: Keynote
[i]: Invited
[c]: Convened
[WS]: Workshop

	Start	End	Session Type	Fundamental Research		Biomedical	Cellular Networks	Wireless and RF Sensors	Space		Defense & Security	Multiple Applications			Scientific Workshops and EurAAP WG Meetings	Industrial Workshops
				Theater												
Monday 7 April	08:00	09:20		Registration												
	09:20	10:10	Plenary	Opening Session												
	10:10	10:50	Keynote	[k]: RF for Healthcare: Diagnose, Treat, Monitor and Support												
	10:50	11:20		Coffee Break												
	11:20	12:00	Keynote	[k]: Wireless LAN - Quo Vadis?												
	12:00	12:40	Keynote	[k]: Return-to-Flight Electromagnetic Measurements - The NASA Shuttle Ascent Debris Radar System												
	12:40	14:00		Lunch												
				Amazon	Mississippi	Asia	Yangtze 1	Yangtze 2	Africa	Antarctica	Europe 1	C. America	N. America	S. America	Oceania	Europe 2
	14:00	16:00	Oral	[c]: IET Antennas & Propagation Network: New antenna systems involving metamaterials and metasurfaces	[c]: Microfluidic Technology for Flexible and Reconfigurable Antennas	[c]: Medical and Biological Applications of EMF	Millimetre-Wave, Submillimetre-Wave and TeraHertz Antennas	[c]: Memorial Session for Professor Pertti Vainikainen	Reflector, Feed Systems and Components	Tropospheric Propagation	Imaging and Inverse Scattering	Ultra-Wideband Antennas and Time-Domain Techniques	Antenna Measurement Techniques	[c]: Multiple-Beam Antennas		
	16:00	16:20		Coffee Break												
	16:20	18:20	Oral	[c]: IET Antennas & Propagation Network: New antenna systems involving metamaterials and metasurfaces	[c]: Theory and Applications of Magnetodielectric Materials in Antenna Design	[c]: Medical and Biological Applications of EMF	Indoor Channels and Systems	[c]: Memorial Session for Professor Pertti Vainikainen	Reflector, Feed Systems and Components	Radio Climatology	Multiple-Beam Antennas, Beamforming and Data Processing	Passive, Multiband and Small Antenna Elements	Antenna Measurement Techniques	[c]: Multiple-Beam Antennas		
	18:30	20:00		Welcome Reception												
Tuesday 8 April	09:00	10:40	Oral	[c]: Theory and Applications of Graphene in Antenna and Microwave Engineering	[c]: INTELECT: Integral Equations in Electromagnetics	Medical and Biological Applications of EMF 2	[c]: Antennas and Propagation in Wireless Efficient Smart Buildings	[c]: Modelling Propagation for Millimetre-Wave Wireless Communications	Frequency and Polarisation Selective Surfaces	Satellite Tropospheric Propagation	[c]: Phased Array Systems for Defence Applications	[c]: Mm-Wave Antenna Systems	Slotted-Wave, Guided-Wave and Leaky-Wave Antennas	[c]: Emerging Techniques for Multiband and Wideband Antennas		
	10:40	11:00		Coffee Break												
	11:00	12:40	Oral	[c]: Theory and Applications of Graphene in Antenna and Microwave Engineering	[c]: INTELECT: Integral Equations in Electromagnetics	Medical and Biological Applications of EMF 2	[c]: Antennas and Propagation in Wireless Efficient Smart Buildings	[c]: Modelling Propagation for Millimetre-Wave Wireless Communications	Array-Antenna Design and Technology	Satellite Tropospheric Propagation	[c]: Phased Array Systems for Defence Applications	[c]: Mm-Wave Antenna Systems	Slotted-Wave, Guided-Wave and Leaky-Wave Antennas	[c]: Emerging Techniques for Multiband and Wideband Antennas	[WS]: AMTA Special Session on Low-Frequency Antenna Measurements	[WS]: CST Workshop 11:00-12:00
	12:40	13:30		Lunch												
	13:30	14:00	Posters			Poster Area 1: Antenna Systems and Architectures			Poster Area 2: Millimetre-Wave, Submillimetre-Wave and TeraHertz Antennas			Poster Area 3:	Poster Area 4:		AMTA Europe Meeting 13:45-14:30	
	14:00	15:00				Tropospheric Channel	Body Centric Issues	Antenna and RF Material Characterization Techniques and Facilities	Antenna Systems and Architectures	Reflector, Feed Systems and Components	Millimetre-Wave, Submillimetre-Wave and TeraHertz Antennas	Advanced RF Materials, Metamaterials and EBG	Analytical Methods and Numerical Techniques in Electromagnetic Theory		EurAAP WG 5: Meeting on Antenna Measurements 14:30 - 16:20	[WS]: TICRA Workshop
	15:00	15:40	Invited	[i]: Metamaterial-Inspired Advances in Antennas and Propagation	[i]: Propagation Prediction in Establishing a Radio-Quiet Zone for Radioastronomy											[WS]: Application of Numerical Techniques to the Solution of Practical Antenna Problems with FEKO 15:20-16:20
	15:40	16:20	Invited	[i]: Some New Perspectives in Metamaterials	[i]: The SKA - Extreme Antenna Engineering											
	16:20	16:40		Coffee Break												
	16:40	18:20	Oral	[c]: Compressive Sensing in Electromagnetics	Imaging and Inverse Scattering	Medical and Biological Applications of EMF 3	Antenna Systems and Architectures	Wearable Antennas	Slotted-Wave, Guided-Wave and Leaky-Wave Antennas	[c]: Wideband Channel Modelling for Satellite and Aeronautical Communication Links	Electromagnetic Theory and Numerical Techniques	Propagation in Complex Media	Frequency and Polarisation Selective Surfaces	Wire Antennas, Baluns and Associated Circuits	EurAAP Delegate Assembly ends at 19:00	
Wednesday 9 April	09:00	10:40	Oral	Slotted-Wave, Guided-Wave and Leaky-Wave Antennas	Analytical Methods in Electromagnetic Theory	[c]: Electromagnetics in the Medical Arena: Therapeutic Applications	[c]: Antennas and Propagation Challenges in Short Range Radio Applications	[c]: Ray Tracing Deterministic Modelling for Future Wireless Systems	Reflectarrays and Transmitarrays	[c]: Multipactor, Passive Intermodulation and Corona in Antennas	Array-Antenna Analysis and Synthesis	[c]: AMTA/EurAAP Measurements/Automotive, Telematics and Defense Antenna Testing	[c]: Novel Advances in Reconfigurable Systems	Wearable Antennas	[WS]: EurAAP WG 4 on Software: Electromagnetic Energies, an Emerging Tool in Computational Electromagnetics	
	10:40	11:00		Coffee Break												
	11:00	12:40	Oral	[c]: Pulsed-Field Radio: Potentialities and Implementation	Analytical Methods in Electromagnetic Theory	[c]: Electromagnetics in the Medical Arena: Therapeutic Applications	[c]: Antennas and Propagation Challenges in Short Range Radio Applications	[c]: Ray Tracing Deterministic Modelling for Future Wireless Systems	Reflectarrays and Transmitarrays	[c]: Multipactor, Passive Intermodulation and Corona in Antennas	Array-Antenna Design and Technology	[c]: AMTA/EurAAP Measurements/Automotive, Telematics and Defense Antenna Testing	[c]: Novel Advances in Reconfigurable Systems	Wearable Antennas	[WS]: EurAAP WG 4 on Software: Electromagnetic Energies, an Emerging Tool in Computational Electromagnetics	[WS]: CST Workshop 11:00-12:00
	12:40	13:30		Lunch												
	13:30	14:00	Posters			Poster Area 1:			Poster Area 2:		Poster Area 3:	Poster Area 4:				
	14:00	15:00			EurAAP WG 9: Propagation Meeting	Indoor and Urban Channels and Systems	Beamforming and Signal Processing	Reflectarrays, Transmitarrays and FSSs	Adaptive and Reconfigurable Antennas	Wire Antennas, Baluns and Associated Circuits	Array Antennas	Antenna Interaction, Coupling and RCS	Slotted-Wave, Guided-Wave and Leaky-Wave Antennas			[WS]: TICRA Workshop
	15:00	15:40	Invited	[i]: THz Imaging and Spectroscopy	[i]: Propagation Channel Modeling for Wideband Radio Systems											
	15:40	16:20	Invited	[i]: Parallel Time Domain Solvers for Electrically Large Transient Scattering Problems	[i]: Ray Tracing Propagation Modelling: Future Prospects											
	16:20	16:40		Coffee Break												
	16:40	18:20	Oral	[c]: Advanced Design and Optimization Techniques for Phased Arrays		Body Centric Propagation	Multiband and Wideband Antennas	Advanced RF Materials, Metamaterials and EBG	[c]: AMTA/EurAAP Satellite and Aerospace Antenna Testing	Land Mobile Satellite Channels	Scattering, Diffraction and RCS	Reflectarrays and Transmitarrays	Adaptive and Reconfigurable Antennas	Antenna Interaction and Coupling	EurAAP WG 2: European School of Antennas Board Meeting	
	18:30			Bus to Banquet												
	19:00			Conference Dinner												
Thursday 10 April	09:00	10:40	Oral	[c]: Domain Decomposition Methods and Macro-Basis Functions for Integral Equations	Advanced RF Materials, Metamaterials and EBG	[c]: Low Exposure in Mobile and Wireless Communications Systems	MIMO, Antenna Diversity, Smart and Signal Processing Antennas	Adaptive and Reconfigurable Antennas	[c]: Antennas and Receivers for Astronomy and Cosmology	[c]: On-the-Move Antenna Systems	[c]: AMTA/EurAAP Measurements/Antenna Diagnostics and Post Processing	[c]: THz Enabling Technologies and Applications	Multiband and Wideband Antennas	Mobile Propagation	[WS]: Modulated Metasurface Antennas	
	10:40	11:00		Coffee Break												
	11:00	12:40	Oral	[c]: Domain Decomposition Methods and Macro-Basis Functions for Integral Equations	Advanced RF Materials, Metamaterials and EBG	[c]: Low Exposure in Mobile and Wireless Communications Systems	MIMO, Antenna Diversity, Smart and Signal Processing Antennas	Adaptive and Reconfigurable Antennas	[c]: Antennas and Receivers for Astronomy and Cosmology	[c]: On-the-Move Antenna Systems	[c]: AMTA/EurAAP Measurements/Antenna Diagnostics and Post Processing	[c]: THz Enabling Technologies and Applications	Ionospheric Propagation	Active and Integrated Antennas	[WS]: Data Domain Modelling for Antenna Analysis and Design	[WS]: CST Workshop 11:00-12:00
	12:40	13:30		Lunch												
	13:30	14:00	Posters			Poster Area 1:			Poster Area 2:			Poster Area 3:	Poster Area 4:			
	14:00	15:00				MIMO, Antenna Diversity, Smart and Signal Processing Antennas	RF Sensors, RFIDs and Power Scavenging	Scattering, Diffraction, RCS Measurement and Processing	Active Antennas, Integrated Antennas, Lens Antennas and Radomes	Mobile and Ionospheric Channels	Ultra-Wideband Antennas and Time-Domain Techniques	Best Paper Award Posters	Multiband, Wideband, Electrically Small and Dielectric Resonator Antennas		EurAAP WG 7: Small Antennas Meeting	[WS]: TICRA Workshop
	15:00	15:40	Invited	[i]: Evolving Automotive Radar - from the very Beginnings into the Future	[i]: Technology-Based Analysis of Probe Array Systems for Rapid Near-Field Imagery and Dosimetry										[WS]: ITU-R Propagation Workshop	
	15:40	16:20	Invited	[i]: Resonant Optical Antennas	[i]: Quality Factor for Lossy (and Lossless) Antennas											
	16:20	16:40		Coffee Break												
	16:40	18:20	Oral	Nano Antennas	Scattering, Diffraction and RCS	Electromagnetic Theory and Numerical Techniques	Multiband and Wideband Antennas	[c]: Propagation for Small Cell Deployment	[c]: Non-uniform Arrays – from Concepts to Implementation	Dielectric Resonator Antennas	[c]: AMTA/EurAAP Imaging and Diagnostic Measurement Techniques and Algorithms	Lens Antennas & Radomes	MIMO, Antenna Diversity, Smart and Signal Processing Antennas	Antenna Systems and Architectures	[WS]: ITU-R Propagation Workshop	
Friday 11 April	09:00	10:40	Oral	Millimetre-Wave, Submillimetre-Wave and TeraHertz Antennas	Numerical Techniques in Electromagnetic Theory	[c]: Antennas & Propagation for Body Environments (supported by IC1004)	Cellular Urban Propagation	[c]: OTA Measurements of Wireless Devices	[c]: Antennas for Radio Astronomy and Space Applications	[c]: Space-Time Channel Models for Earth-Space and UAV Links	Advances in Measurement Implementations	[c]: Applications of Antennas and Propagation to Mining and Geoscience	Array-Antenna Analysis and Synthesis	RF Sensors	[WS]: Software Parallelization, High Performance Computing and Cloud Computing Efforts in Electromagnetics	
	10:40	11:00		Coffee Break												
	11:00	12:40	Oral	Millimetre-Wave, Submillimetre-Wave and TeraHertz Antennas	Numerical Techniques in Electromagnetic Theory	[c]: Antennas & Propagation for Body Environments (supported by IC1004)	[c]: Channel Measurements and Models for Cognitive Radio Applications	[c]: Realism in Existing MIMO OTA Test Methods	[c]: Antennas for Radio Astronomy and Space Applications	[c]: Space-Time Channel Models for Earth-Space and UAV Links	[c]: Data Acquisition, Imaging Algorithms and Processing Methods	[c]: Applications of Antennas and Propagation to Mining and Geoscience	Array-Antenna Analysis and Synthesis	Passive, Multiband and Small Antenna Elements		
	13:00	13:30	Plenary	Closing Ceremony & Best Paper Award												
	14:00	18:00	Short Courses													