

EuCAP 2016 Final Programme																			
[k]: Keynote [i]: Invited [c]: Convened [WS]: Workshop				Cellular and short-range communication		RFID and Wireless networks	Fundamental research	Biomedical and wearable applications including biological effects	EM modelling and simulation		Space	Radar, Defence and security	Multiple applications		Workshops	Workshops and Meetings	Meetings		
	Start	End	Session Type	Davos															
Monday 11 April	8:00	18:30		Registration													Registration		
	9:00	10:00	Plenary	Opening Ceremony															
	10:00	10:40	Keynote	[k] Antenna Challenges for 5G															
	10:40	11:10		Coffee Break: Exhibition Area													Coffee Break: Exhibition Area		
	11:10	11:50	Keynote	[k] Millimeter-Wave Channels in Urban Environments															
	11:50	12:30	Keynote	[k] Broadband Millimeter-Wave and THz Antenna Arrays for Space and Security Applications															
	12:30	14:00		Lunch: C Sanada + Foyer C1 + Foyer C2													Lunch: C Sanada + Foyer C1 + Foyer C2		
				A Dischma	A Flüela	A Sertig	A Schwartzhorn	A Seehorn	B Bisch+ Parsenn	B Jakhobshorn	C Aspen 1	C Aspen 2	A Wisshorn		B Rinerhorn	B Strela	C Office 42		
	14:00	16:00	Oral	Reflectarrays and transmitarrays I	[c] AMTA/EurAPP Session, Advances in MIMO and Over-the-Air Performance Testing	[c] Pulsed-field radio: applications & implementation	Metamaterials I	[c] Optical antennas: scaling electromagnetics to the nanoscale	Optimisation methods	[c] Theory and Application of Characteristic Modes	Millimetre and sub-millimetre antennas	Array antenna analysis and synthesis	Near Field Antenna Measurements		[c] Compressed Sensing Theory Adopted in RF Applications (CSinRF)	EuCAP Steering Committee	Cost Action TD1301 - MiMED Meeting		
	16:00	16:30		Coffee Break: Exhibition Area													Coffee Break: Exhibition Area		
16:30	18:30	Oral	Antenna Arrays	[c] AMTA/EurAPP Session, Advances in MIMO and Over-the-Air Performance Testing	Propagation measurements at microwaves and terahertz	[c] Applications of graphene and low dimensional materials	Integral equations and general antenna theory	Propagation modelling and simulation I	[c] Theory and Application of Characteristic Modes	Propagation in space	Array antennas I	Antenna systems and architectures			EuCAP Steering Committee	Cost Action TD1301 - MiMED Meeting			
18:30	20:00		Welcome Reception: Davos													Welcome Reception: Davos			
Tuesday 12 April				A Dischma	A Flüela	A Sertig	A Schwartzhorn	A Seehorn	B Bisch+ Parsenn	B Jakhobshorn	C Sanada1	C Sanada2	A Wisshorn	C Aspen	B Rinerhorn	B Strela	C Office 42		
	8:40	10:20	Oral	[c] Reconfigurable Antennas for Autonomous Devices	[c] Millimeter wave antenna systems for future broadband communication networks	Propagation modelling and simulation II	[c] Applications of graphene and low dimensional materials	[c] Small and Wearable Antennas	[c] INTELECT: Integral Equations in Electromagnetics	[c] AMTA/EurAPP Post Processing Techniques in Antenna Measurements	Tropospheric Propagation	[c] Propagation in Aeronautics	[c] Bridging the simulations – measurements gap: state-of-the-art	SAR and Material Measurements	[WS] FORESEEN	[WS] Key enabling technologies on antenna and channel models for an effective mmWave 5G deployment	Cost Action TD1301 - MiMED Meeting		
	10:20	10:50		Coffee Break: Exhibition Area													Coffee Break: Exhibition Area		
	10:50	12:30	Oral	[c] Reconfigurable Antennas for Autonomous Devices	[c] Millimeter wave antenna systems for future broadband communication networks	Propagation modelling and simulation III	Metasurfaces I	[c] Small and Wearable Antennas	[c] INTELECT: Integral Equations in Electromagnetics	[c] AMTA/EurAPP Post Processing Techniques in Antenna Measurements	Terahertz antennas and receivers	[c] Propagation in Aeronautics	[c] Bridging the simulations – measurements gap: state-of-the-art	Antenna Measurements	[WS] FORESEEN	[WS] Key enabling technologies on antenna and channel models for an effective mmWave 5G deployment	Cost Action TD1301 - MiMED Meeting		
	12:30	13:30		Lunch: Davos													Lunch: Davos		
	13:30	15:00		Poster 1			Poster 2				Poster 3				[WS] CST Workshop - Advanced Antenna System Simulation		Cost Action TD1301 - MiMED Meeting		
	15:00	15:40	Invited						[i] THz Antenna Systems for Wide Field of View Imaging Cameras					[i] The MINDS Design of Wearable Medical Devices for Cardiovascular Health Informatics	[WS] CST Workshop - Advanced Antenna System Simulation		Cost Action TD1301 - MiMED Meeting		
	15:40	16:20	Invited						[i] Efficient Optical to Terahertz Wave Conversion Through Plasmonic Antennas					[i] Robust Integral Equation Methods for the Maxwell Equations in Complex Geometries	[WS] CST Workshop - Advanced Antenna System Simulation		Cost Action TD1301 - MiMED Meeting		
	16:20	16:50		Coffee Break: Exhibition Area													Coffee Break: Exhibition Area		
	16:50	18:30	Oral	Antenna design for MIMO applications	Propagation at millimetre-wave frequencies	Urban propagation	EBG, metamaterials and metasurfaces	Wearable antennas	Electromagnetic modelling and simulation	Antenna design and optimization	Reflectarrays and transmitarrays II	Imaging and inverse scattering		[c] Advanced Manufacturing Techniques for antennas		EurAAP Delegate Assembly	Cost Action TD1301 - MiMED Meeting		
Wednesday 13 April				A Dischma	A Flüela	A Sertig	A Schwartzhorn	A Seehorn	B Bisch+ Parsenn	B Jakhobshorn	C Sanada1	C Sanada2	A Wisshorn	C Aspen	B Rinerhorn	B Strela	C Office 42		
	8:40	10:20	Oral	Wideband antennas	[c] Millimeter-wave propagation measurements and models for 5G systems and applications	Channel model characterization in wireless links	[c] Advances in Plasma-based Antennas and Devices	[c] COST Action TD1301, MiMed: Advances in Biomedical Electromagnetic Imaging and Therapeutics, Monitoring and Sensing Devices	[c] Advances in Commercial Electromagnetic Simulation Tools	[c] Conformal Antennas	[c] Innovative Array Architectures for Next Generation Radar and Communications Systems	[c] Electromagnetic Scattering of Wind Turbines and Effects on Radar Systems	[c] Terahertz Antennas	Antenna and Feeding components for space applications			[WS] Comparison of Near Field Modelling of Planar Antennas as a Base for Safety Distance Calculation on Cell Sites		
	10:20	10:50		Coffee Break: Exhibition Area													Coffee Break: Exhibition Area		
	10:50	12:30	Oral	Antennas for Wireless Communications	[c] Millimeter-wave propagation measurements and models for 5G systems and applications	Propagation for wireless network	[c] Advances in Plasma-based Antennas and Devices	[c] COST Action TD1301, MiMed: Advances in Biomedical Electromagnetic Imaging and Therapeutics, Monitoring and Sensing Devices	[c] Advances in Commercial Electromagnetic Simulation Tools	[c] Conformal Antennas	[c] Innovative Array Architectures for Next Generation Radar and Communications Systems	[c] Electromagnetic Scattering of Wind Turbines and Effects on Radar Systems	[c] Terahertz Antennas	Antenna interaction and coupling I	[WS] SPEAG Workshop		[WS] Comparison of Near Field Modelling of Planar Antennas as a Base for Safety Distance Calculation on Cell Sites		
	12:30	13:30		Lunch: Davos													Lunch: Davos		
	13:30	15:00		Poster 4			Poster 5				Poster 6				[WS] SPEAG Workshop				
	15:00	15:40	Invited						[i] Massive MIMO Antennas in Conventional Bands					[i] Vehicular Channel Characterization and Modeling		European School of Antennas (ESoA) Meeting			
	15:40	16:20	Invited						[i] Antennas and Propagation in Physical Layer Security: Encryption Key Establishment					[i] Antennas for Wireless Power Transmission		European School of Antennas (ESoA) Meeting			
	16:20	16:50		Coffee Break: Exhibition Area													Coffee Break: Exhibition Area		
	16:50	18:30	Oral	Antennas for Mobile applications	[c] Analogue frontends and control circuits for agile antenna arrays	Microwave imaging I	[c] Advances on Metasurfaces	Dosimetry, exposure and SAR assessment	Computational and numerical techniques I	Conformal antennas	[c] AMTA/EurAPP Session, Satellite and Aerospace Antenna Measurements	Array antennas II	3D Printed/Additive Manufacturing Technologies of Electromagnetic Structures	Reflector antennas	[WS] Altair Workshop	European School of Antennas (ESoA) Meeting			
19:30			Conference Dinner: Davos													Conference Dinner: Davos			
Thursday 14 April				A Dischma	A Flüela	A Sertig	A Schwartzhorn	A Seehorn	B Bisch+ Parsenn	B Jakhobshorn	C Sanada1	C Sanada2	A Wisshorn	C Aspen	B Rinerhorn	B Strela	C Office 42		
	8:40	10:20	Oral	Antennas for 60GHz applications	[c] Radio channel measurements, and modelling above 6 GHz for 5G radio networks	[c] Antenna for IoT applications	[c] IET Session, New antenna systems involving metamaterials and metasurfaces	[c] COST Action TD1301, MiMed: Recent Developments in Breast Microwave Imaging	Computational and numerical techniques II	Propagation modelling and simulation IV	[c] Antenna Systems for Radio Astronomy	Waveguide and leaky-wave antennas	SIW antennas	[c] Propagation Channels for Wide-Sense Vehicle-to-X Communications	[WS] COST Action TU1208 - Electromagnetic-modelling and inversion techniques for Ground Penetrating Radar		EurAAP WG Propagation Meeting		
	10:20	10:50		Coffee Break: Exhibition Area													Coffee Break: Exhibition Area		
	10:50	12:30	Oral	Superstrate, lenses, for mm-wave applications	[c] Radio channel measurements, and modelling above 6 GHz for 5G radio networks	[c] Measurements and Simulations in Channel Modelling in Wireless Body Area Networks	[c] IET Session, New antenna systems involving metamaterials and metasurfaces	[c] COST Action TD1301, MiMed: Recent Developments in Breast Microwave Imaging	Computational and numerical techniques III	Frequency and polarization selective surfaces	[c] Antenna Systems for Radio Astronomy	Scattering and general propagation topics	Lens antennas	[c] Propagation Channels for Wide-Sense Vehicle-to-X Communications	[WS] COST Action TU1208 - Electromagnetic-modelling and inversion techniques for Ground Penetrating Radar		EurAAP WG Propagation Meeting		
	12:30	13:30		Lunch: Davos													Lunch: Davos		
	13:30	15:00		Poster 7			Poster 8				Best Paper Posters						AMTA Europe Meeting		
	15:00	15:40	Invited						[i] Tomorrow's Metamaterials: Manipulation of Electromagnetic Waves in Space, Time and Spacetime					[i] Phased Array Antenna Calibration Measurement Techniques and Methods			EurAAP WG Measurement Meeting		
	15:40	16:20	Invited						[i] Microwave Diagnostic and Therapeutic Technologies for Medical Applications					[i] State of the Art and Innovative Measurements for Large Antennas and Antenna Farms			EurAAP WG Measurement Meeting		
	16:20	16:50		Coffee Break: Exhibition Area													Coffee Break: Exhibition Area		
	16:50	18:30	Oral	Array antennas III	[c] Analysis of randomness due to user and environment on MIMO antenna systems	[c] COST Action IC1301, Wireless Power Transmission and RF Energy Harvesting Circuits and Applications	Metamaterials II	Beam Shaping and spatial diversity	Physical optics and theory of diffraction	Microwave imaging II	Metamaterials and Metasurfaces	[c] Polarimetric Radar Cross Section Analysis	Multiband antennas	[c] Propagation aspects in remote sensing	[WS] AMTA Workshop - Revision and Changes to the IEEE 149 Standard on Antenna Measurements	EurAAP WG Small Antennas Meeting	EurAAP WG Measurement Meeting		
Friday 15 April				A Dischma	A Flüela	A Sertig	A Schwartzhorn	A Seehorn	B Bisch+ Parsenn	B Jakhobshorn	C Sanada1	C Sanada2	A Wisshorn	C Aspen	B Rinerhorn	B Strela	C Office 42		
	8:40	10:20	Oral	Vehicle-to-vehicle communications	[c] Analysis of randomness due to user and environment on MIMO antenna systems	Indoor Propagation	Bridging other areas	RFID Antennas	[c] AMTA/EurAPP Session, Measurement of Millimeter-Wave Antennas		[c] The Alphasat Aldo Paraboni scientific experiment: results on the Ka- and Q-band propagation campaigns	[c] Sparse arrays for short-range imaging	Biomedical application						
	10:20	10:50		Coffee Break: Exhibition Area													Coffee Break: Exhibition Area		
	10:50	12:30	Oral	MIMO, diversity and smart antennas	Adaptive and reconfigurable antennas	Scattering and Radar	Other antenna topics	Miniaturized and small antennas	[c] AMTA/EurAPP Session, Measurement of Millimeter-Wave Antennas		[c] The Alphasat Aldo Paraboni scientific experiment: results on the Ka- and Q-band propagation campaigns	Antenna interaction and coupling II	Ground Penetrating Radar - COST TU1208						
	12:30	13:30	Plenary											Closing Ceremony					