

Ref number A/A	Session title	chair - convenor	Full affiliation	E-mail address:	co-chair	Full affiliation	E-mail address	Session Topic
CA01	<b>Advances in Nano-inspired Applications of Electromagnetics in Medicine and Biotechnologies</b>	<b>Ovidio Mario Bucci</b>	Department of Biomedical, Electronic and Telecommunications Engineering, University of Naples Federico II	<a href="mailto:bucci@unina.it">bucci@unina.it</a>	<b>Yahya Rahmat-Samii</b>	Electrical Engineering Department, University of California, Los Angeles (UCLA), CA, USA	<a href="mailto:rahmat@ee.ucla.edu">rahmat@ee.ucla.edu</a>	Interaction between EMF and nanocomponents. External and in-body exposition and controlling systems. Exploitation of nano and micro components in EMF hyperthermia and imaging. Remote control of nanomachines and biological processes.
CA02	<b>Recent Advances and Applications of Body-Centric Wireless Communications</b>	<b>Ito Koichi</b>	Director, Research Center for Frontier Medical Engineering, Professor, Department of Medical System Engineering	<a href="mailto:ito.koichi@faculty.chiba-u.jp">ito.koichi@faculty.chiba-u.jp</a>	<b>Yang Hao</b>	Queen Mary University of London	<a href="mailto:yang.hao@eecs.qmul.ac.uk">yang.hao@eecs.qmul.ac.uk</a>	Antennas, Radio Propagation, Computational Electromagnetics
CA03	<b>European Workshop on Conformal Antennas (EWCA)</b>	<b>Zvonimir Sipus</b>	Faculty of Electrical Engineering and Computing	<a href="mailto:zvonimir.sipus@fer.hr">zvonimir.sipus@fer.hr</a>	<b>Peter Knott</b>	Fraunhofer Institute for High Frequency Physics and Radar Techniques FHR	<a href="mailto:peter.knott@fhr.fraunhofer.de">peter.knott@fhr.fraunhofer.de</a>	Conformal Antennas and Conformal Antenna Arrays
CA04	<b>Convened session of the EuRAAP WG on Software</b>	<b>Guy Vandenbosch</b>	Katholieke Universiteit Leuven, Dep. Electrical Engineering – ESAT/TELEMIC	<a href="mailto:guy.vandenbosch@esat.kuleuven.be">guy.vandenbosch@esat.kuleuven.be</a>	<b>Francesca Mioc</b>	SATIMO Italy	<a href="mailto:francesca.mioc@libero.it">francesca.mioc@libero.it</a>	Computational Electromagnetics, Software development, standardisation, EDX/EDI, cooperation between academia and software vendors
CA05	<b>Leaky-Wave Antennas</b>	<b>David R. Jackson</b>	Department of ECE, University of Houston	<a href="mailto:djackson@uh.edu">djackson@uh.edu</a>	<b>Alessandro Galli</b>	Sapienza University of Rome – Department of Information Engineering, Electronics and Telecommunications	<a href="mailto:galli@die.uniroma1.it">galli@die.uniroma1.it</a>	Leaky-wave antennas, Fabry-Pérot resonant cavity antennas, systems employing leaky-wave structures.

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CA06	Reconfigurable Antenna Arrays Theory, Implementations, and Applications	Paolo Rocca	ELEDIA Research Center @ DISI – University of Trento	<a href="mailto:paolo.rocca@disi.unitn.it">paolo.rocca@disi.unitn.it</a>	Tommaso Isernia	University of Reggio Calabria Italy	<a href="mailto:tommaso.isernia@unirc.it">tommaso.isernia@unirc.it</a>	<p>Nowadays, the interest in reconfigurable arrays is broad and it ranges from academic to industrial researchers involved both in civil and military projects. Accordingly, this special session is aimed at highlight the latest advances in the framework of reconfigurable arrays and is intended at highlighting current solutions at four different levels:</p> <ul style="list-style-type: none"> <li>System architectural level;</li> <li>Theoretical/Methodological level;</li> <li>Technological Level;</li> <li>Applicative Level.</li> </ul> <p>Accordingly, the special session will focus on innovative strategies and future trends including, but not limited to</p> <ul style="list-style-type: none"> <li>Beam forming;</li> <li>Adaptive arrays for rejection of RF interferences, jammers, and clutters;</li> <li>Dynamic arrays and time dependent array apertures;</li> <li>Beam-steering control (e.g., phaseshift steering, time-delay steering);</li> <li>Signal processing;</li> <li>Passive and active microwave circuit technology;</li> <li>Analytic, deterministic, and stochastic approaches for the synthesis of reconfigurable arrays;</li> <li>Simplified and cost effective architectures for reconfigurable arrays (e.g., subarrays, overlapped arrays);</li> <li>Broadband and ultra wideband reconfigurable arrays;</li> <li>Multiple input, multiple output (MIMO) reconfigurable arrays;</li> <li>Spatial and polarization diversity in reconfigurable array design;</li> <li>Ad-hoc control strategies for large array antennas;</li> <li>Numerical analysis/design of reconfigurable arrays;</li> <li>Reconfigurable arrays for remote (near-field, far-field) sensing, communications, commercial applications, radio astronomy, THz imaging arrays, manufacturability, composite reflectors, decade bandwidth feeds</li> </ul>
CA07	Imaging Arrays for Space and Astronomy	W.A. van Cappellen	Chalmers University of Technology / ASTRON	<a href="mailto:cappellen@astron.nl">cappellen@astron.nl</a>	A. van Ardenne	Chalmers University of Technology / ASTRON	<a href="mailto:ardenne@astron.nl">ardenne@astron.nl</a>	Receiving antenna arrays, focal plane arrays, radio astronomy, THz imaging arrays, manufacturability, composite reflectors, decade bandwidth feeds
CA08	Non-Foster Active Metamaterials: Theory, Design and Applications	Silvio Hrabar	Faculty of Electrical Engineering and Computing (FER), University of Zagreb	<a href="mailto:Silvio.Hrabar@fer.hr">Silvio.Hrabar@fer.hr</a>	Yang Hao	Queen Mary University of London	<a href="mailto:yang.hao@eecs.qmul.ac.uk">yang.hao@eecs.qmul.ac.uk</a>	Antennas, Metamaterials, Non-Foster Circuit
CA09	60GHz and Beyond: Antennas and Their Integration	Thomas Zwick	Karlsruhe Institute of Technology (KIT)	<a href="mailto:Thomas.zwick@kit.edu">Thomas.zwick@kit.edu</a>	Zhi Ning Chen	Institute for Infocomm Research	<a href="mailto:chenzn@i2r.a-star.edu.sg">chenzn@i2r.a-star.edu.sg</a>	integrated miniaturized mmW antennas – off-chip and on-chip, substrate integrated antennas, antennas in LTCC, packaging solutions for highly integrated mmW transceivers
CA10	Mm-Wave Antenna-Systems	Cyril Luxey	University of Nice-Sophia Antipolis	<a href="mailto:Cyril.luxey@unice.fr">Cyril.luxey@unice.fr</a>	Jiro Hirokawa	Tokyo Institute of Technology	<a href="mailto:jiro@antenna.ee.titech.ac.jp">jiro@antenna.ee.titech.ac.jp</a>	Mm-wave Antenna-Systems

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CA11	Transformation Electromagnetics in Antenna Engineering	Douglas Werner	Professor of Electrical Engineering, 211A Electrical Engineering East, The Pennsylvania State University	<a href="mailto:dhw@psu.edu">dhw@psu.edu</a>	Yang Hao	Queen Mary University of London	<a href="mailto:yang.hao@eecs.qmul.ac.uk">yang.hao@eecs.qmul.ac.uk</a>	Antennas, Transformation Electromagnetics, Metamaterials
CA12	Compressive Sensing in Electromagnetics – State of the Art and Recent Advances	Andrea Massa	ELEDIA Research Center @ DISI – University of Trento	<a href="mailto:andrea.massa@ing.unitn.it">andrea.massa@ing.unitn.it</a>	Giacomo Oliveri	ELEDIA Research Center @ DISI – University of Trento	<a href="mailto:giacomo.oliveri@disi.unitn.it">giacomo.oliveri@disi.unitn.it</a>	The topics of main interest include, but are not limited to Compressive Sensing as applied to Antenna Synthesis and Design; Compressive Sensing as applied to Electromagnetic Measurements; Compressive Sensing as applied to Electromagnetic Signal Processing; Compressive Sensing as applied to Remote Sensing; Compressive Sensing as applied to Inverse Scattering and Microwave Imaging; Compressive Sensing as applied to Wireless Communications; Compressive Sensing for Biomedical Imaging Techniques.
CA13	Numerical Modeling of Periodic Structures and Metamaterials	Stefano Maci	Department of Information Engineering	<a href="mailto:macis@dii.unisi.it">macis@dii.unisi.it</a>	Raj Mittra	Electrical Engineering Department	<a href="mailto:mittra@enr.psu.edu">mittra@enr.psu.edu</a>	Computational Electromagnetics
CA14	Domain Decomposition Methods	Giuseppe Vecchi	Department of Electronics, Politecnico of Turin	<a href="mailto:vecchi@polito.it">vecchi@polito.it</a>	Stefano Maci	Department of Information Engineering	<a href="mailto:macis@dii.unisi.it">macis@dii.unisi.it</a>	Computational Electromagnetics
CA15	Integral Techniques for Electromagnetics (INTELECT)	Juan Mosig	Ecole Polytechnique Fédérale de Lausanne (EPFL), Switzerland	<a href="mailto:juan.mosig@epfl.ch">juan.mosig@epfl.ch</a>	Angelo Freni	Univ. of Florence	<a href="mailto:freni@unifi.it">freni@unifi.it</a>	
CA16	RFID's, mmID's and Power Scavenging: Status and Challenges	Manos Tentzeris	Georgia Tech	<a href="mailto:etentze@ece.gatech.edu">etentze@ece.gatech.edu</a>	Apostolos Georgiadis	Senior Researcher CTTC	<a href="mailto:apostolos.georgiadis@cttc.es">apostolos.georgiadis@cttc.es</a>	MMID , RFID & Sensors
CA17	Small Antennas	Richard W. Ziolkowski	Dept. of ECE, University of Arizona	<a href="mailto:ziolkows@ece.arizona.edu">ziolkows@ece.arizona.edu</a>	Cyril Luxey	University of Nice-Sophia Antipolis	<a href="mailto:Cyril.luxey@unice.fr">Cyril.luxey@unice.fr</a>	new knowledge gathered by the European and non-European antenna communities
CA18	UWB Antenna Arrays for Sensing Applications	Alexander Yarovoy	Delft University of Technology	<a href="mailto:a.yarovoy@ewi.tudelft.nl">a.yarovoy@ewi.tudelft.nl</a>	Alessandro Galli	Sapienza University of Rome – Department of Information Engineering, Electronics and Telecommunications	<a href="mailto:galli@die.uniroma1.it">galli@die.uniroma1.it</a>	The session intersects on three topics that are: - antenna arrays for future generation radar; - antenna arrays for short-range imaging (e.g., medical, through-the-wall, concealed weapon detection); - sparse arrays for radioastronomy
CA19	UWB/mm-Wave MIMO Radar-Systems and Applications	Reiner S. Thomä	Ilmenau University of Technology, Electronic Measurement Research Laboratory	<a href="mailto:Reiner.Thomae@tu-ilmenau.de">Reiner.Thomae@tu-ilmenau.de</a>	Alexis Paolo Garcia Ariza	Ilmenau University of Technology, Electronic Measurement Research Laboratory	<a href="mailto:alexis-paolo.garcia-ariza@tu-ilmenau.de">alexis-paolo.garcia-ariza@tu-ilmenau.de</a>	Ultrawideband/millimeter-wave multi-antenna systems. MIMO radar architectures. Polarimetric analysis. High resolution MIMO signal processing and imaging. Implementation issues (MMIC, packaging, antennas).

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CA20	<b>Microwaves in Medical Diagnostics and Treatment</b>	<b>Andreas Fhager</b>	Dept. of Signals and Systems, Chalmers University of Technology	<a href="mailto:Andreas.Fhager@chalmers.se">Andreas.Fhager@chalmers.se</a>	<b>Ian Craddock</b>	University of Bristol United Kingdom	<a href="mailto:ian.craddock@bristol.ac.uk">ian.craddock@bristol.ac.uk</a>	All aspects of microwave based applications in medical diagnostics and treatment.
CA21	<b>The New Frontier of Clinical Therapies: Bioeffects and Engineering Issues of Electromagnetic Nanopulses</b>	<b>Francesca Apollonio</b>	Sapienza of Rome, Department of Information Engineering, Electronics and Telecommunications	<a href="mailto:apollonio@die.uniroma1.it">apollonio@die.uniroma1.it</a>				History, overview of bioeffects and potential future application of nanopulses Engineering issues for the development of nanopulses technology Generators and applicators for electromagnetic nanopulses Microdosimetry Molecular simulations and laboratory experiments for the clarification of the interaction mechanisms
CA22	<b>Non-uniform Array Antennas</b>	<b>Ioan E. Lager</b>	Faculty of Electrical Engineering, Mathematics and Computer Science, Delft University of Technology	<a href="mailto:i.e.lager@tudelft.nl">i.e.lager@tudelft.nl</a>	<b>Andrea Massa</b>	ELEDIA Research Center @ DISI – University of Trento	<a href="mailto:andrea.massa@ing.unitn.it">andrea.massa@ing.unitn.it</a>	

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CP01	Novel Methods in Radio Channel Modelling for Smart Environments	Claude Oestges	ICTEAM UCL (Université catholique de Louvain)	<a href="mailto:claude.oestges@uclouvain.be">claude.oestges@uclouvain.be</a>	Alain Sibille	TELECOM Paris Tech	<a href="mailto:alain.sibille@telecom-paristech.fr">alain.sibille@telecom-paristech.fr</a>	wireless propagation, channel models
CP02	Joint Antenna-Channel Issues in Body Area Networks (supported by COST IC1004)	Raffaele D'Errico	CEA-LETI	<a href="mailto:raffaele.derrico@cea.fr">raffaele.derrico@cea.fr</a>	Joseph Wout	Ghent University/ IBBT	<a href="mailto:wout.joseph@intec.ugent.be">wout.joseph@intec.ugent.be</a>	Joint antenna-channel issues for WBANs WBAN propagation On-body channel modelling In-body, and in-to-out body channel modelling Off-body and Body-to-Body channel modelling Antennas for WBANs: on-, in- and off-body Antenna influence on WBAN radio channel Statistical modelling for WBANs Antenna and Channel measurement methodology in WBANs COST IC 1004 WBAN channel models Channel impact on WBAN performance
CP03	Prospects of Over-the-Air testing: Techniques, Progress, Results	Albert Heuberger	Director, Fraunhofer Institut für Integrierte Schaltungen	<a href="mailto:albert.heuberger@iis.fraunhofer.de">albert.heuberger@iis.fraunhofer.de</a>				
CP04	Channel Modelling for Mobile SatCom and SatNav Systems (convened by COST IC0802)	Uwe Fiebig	DLR Institute of Communications and Navigation	<a href="mailto:uwe.fiebig@dlr.de">uwe.fiebig@dlr.de</a>	Fernando Fontan	ETSI Communications University of Vigo	<a href="mailto:fpfontan@tsc.uvigo.es">fpfontan@tsc.uvigo.es</a>	Propagation, Channel Modelling, Channel Assessment Techniques, SatCom, GNSS
CP05	Advances in Techniques, Instruments and Data for Propagation Campaigns (convened by COST IC0802)	Carlo Riva	DEI-Politecnico di Milano	<a href="mailto:riva@elet.polimi.it">riva@elet.polimi.it</a>	Michael Willis	STFC Rutherford Appleton Laboratory	<a href="mailto:mike.willis@stfc.ac.uk">mike.willis@stfc.ac.uk</a>	Propagation, Measurements, SatCom, Sat Nav, Numerical Weather Products
CP06	Approaches in Wireless Optical Propagation and Channel modelling for Free Space Optical Links	Carlo Capsoni	Politecnico di Milano	<a href="mailto:capsoni@elet.polimi.it">capsoni@elet.polimi.it</a>	Erich Leitgeb	Institute of Broadband Communications, TU Graz	<a href="mailto:erich.leitgeb@tugraz.at">erich.leitgeb@tugraz.at</a>	Free Space Optics (FSO), Channel Modelling on FSO, Optical Wireless, Wireless Optical Propagation, Atmospheric Influence on FSO and Light Propagation
CP07	Wave Propagation Modeling in Vegetated and Built-Up Areas	Thomas Kürner	Institut für Nachrichtentechnik Technische Universität Braunschweig (Institute for Communications Technology Braunschweig Technical University)	<a href="mailto:Kuerner@ifn.ing.tu-bs.de">Kuerner@ifn.ing.tu-bs.de</a>	Saúl A. Torrico	Comsearch	<a href="mailto:storrico@comsearch.com">storrico@comsearch.com</a>	Wave propagation through vegetation, wave propagation in vegetated residential environments, wave propagation in urban environments with isolated trees or parks, wave propagation modeling in vegetated and built-up areas, scattering from trees, scattering from buildings.
CP08	Future Radios for Medical and Daily Healthcare Applications	Katsuyuki Haneda	Department of Radio Science and Engineering, Aalto University School of Electrical Engineering	<a href="mailto:katsuyuki.haneda@aalto.fi">katsuyuki.haneda@aalto.fi</a>	Jun-ichi Takada	Department of International Development Engineering, Tokyo Institute of Technology	<a href="mailto:takada@ide.titech.ac.jp">takada@ide.titech.ac.jp</a>	Interactions of antennas and human body Propagation and antenna modelling in medical and daily healthcare scenes Impacts of antennas and propagation characteristics on radio systems operated in medical and daily healthcare scenes

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CP09	<b>Wireless Sensor Networks (WSNs) for Real Time and Distributed Remote Sensing</b>	<b>Andrea Massa</b>	ELEDIA Research Center @ DISI – University of Trento	<a href="mailto:andrea.massa@ing.unitn.it">andrea.massa@ing.unitn.it</a>	<b>Federico Viani</b>	ELEDIA Research Center @ DISI – University of Trento	<a href="mailto:federico.viani@disi.unitn.it">federico.viani@disi.unitn.it</a>	The topics of main interest include, but are not limited to Remote Sensing Biomedical Applications Industrial Applications Military Applications Indoor and Urban Propagation Models Multifrequency Antennas Optimization Methods in EM Design

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CM01	Precise measurements of Materials and Media in the MM/SubMM Ranges	V.V. Parshin	Applied Physics Institute, Nizhny Novgorod, Russia	<a href="mailto:parsh@appl.sci-nnov.ru">parsh@appl.sci-nnov.ru</a>	Cornelis G. van 't Klooster	European Space Agency, Estec, Noordwijk, The Netherlands	<a href="mailto:Kees.van.t.Klooster@esa.int">Kees.van.t.Klooster@esa.int</a>	Precise measurement of reflection or transmission parameters of materials, precise atmosphere absorption measurement in absorption lines and continuum with respect to applications (Precise Antennas Reflector, High power applications - ITER, remote sensing of atmospheric constituents and earth covers)
CM02	Wave and sub-mm Waves RCS and Scattered Field Measurements	Claire Migliaccio	University of Nice Sophia Antipolis – Electronics and Telecommunications Laboratory-LEAT	<a href="mailto:claire.migliaccio@unice.fr">claire.migliaccio@unice.fr</a>	Alexander Yarovoy	Delft University of Technology	<a href="mailto:a.yarovoy@ewi.tudelft.nl">a.yarovoy@ewi.tudelft.nl</a>	The session intersects on three topics that are: - mm- and sub-mm-Waves; - RCS and diffraction; - Measurements
CM03	Antenna Diagnostics and Post-processing (AMTA convened session)	Doren W. Hess	MI Technologies	<a href="mailto:dhess@mi-technologies.com">dhess@mi-technologies.com</a>	Lars Jacob Foged	SATIMO	<a href="mailto:lfoged@satimo.com">lfoged@satimo.com</a>	
CM04	Recent Technical Advances in Antenna Test Systems (AMTA convened session)	Carlo Rizzo	Tecnologica Ltd.	<a href="mailto:crizzo@tecnologica.co.uk">crizzo@tecnologica.co.uk</a>	Daniel Janse van Rensburg	Near Field Systems Inc., USA	<a href="mailto:drensborg@nearfield.com">drensborg@nearfield.com</a>	
CM05	Automotive/ Telematics Antenna Testing (AMTA convened session)	James D. Huff	The Howland Company, Inc	<a href="mailto:jhuff@thehowlandcompany.com">jhuff@thehowlandcompany.com</a>	Dirk Heberling	RWTH Aachen University	<a href="mailto:heberling@ihf.rwth-aachen.de">heberling@ihf.rwth-aachen.de</a>	
CM06	Portable Wireless Device Testing (AMTA convened session)	Manuel Sierra Castañer	Universidad Politécnica de Madrid	<a href="mailto:mscastaner@gr.ssr.upm.es">mscastaner@gr.ssr.upm.es</a>	Vince Rodríguez	Product and Technical Manager, Antennas. ETS-Lindgren	<a href="mailto:Vince.Rodriguez@ets-lindgren.com">Vince.Rodriguez@ets-lindgren.com</a>	
CM07	Aerospace Antenna Testing (AMTA convened session)	Sergey Pivnenko	Technical University of Denmark	<a href="mailto:sp@elektro.dtu.dk">sp@elektro.dtu.dk</a>	Per Iversen	the Microwave Vision Group	<a href="mailto:piversen@satimo.com">piversen@satimo.com</a>	