



11th European Conference on
Antennas and Propagation
19 - 24 March 2017 – Paris, France



CALL FOR PAPERS

www.eucap2017.org

KEY
DATES
2016

Convened sessions

27 May : Submission of proposals
24 June : Notification of acceptance

Short Courses and Workshops

16 Sept. : Submission of proposals
21 Oct. : Notification of acceptance

Full papers

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THE CONFERENCE

The European Conference on Antennas and Propagation is owned by the European Association on Antennas and Propagation (EurAAP) and has been organised each year since 2006. The conference is supported by top level Associations on Antennas and Propagation and provides a forum on the major challenges faced by these communities.

Contributions from European and non-European industries, universities, research centres and other institutions are solicited. The conference provides an overview of the current state-of-the-art in Antennas, Propagation, and Measurements topics, highlighting the latest developments and innovations required for future applications.

FORMAT OF THE CONFERENCE

The conference combines the main following features:

- Plenary sessions with invited and keynote speakers
- Oral sessions (both convened and regular)
- Poster sessions
- Short Courses and Workshops
- Exhibition

INSTRUCTIONS FOR AUTHORS

Authors are invited to **submit** their contribution in the form of a **FINAL PAPER** with a minimum length of **two** A4 pages and a maximum length of five A4 pages.

The paper must contain enough information for the Technical Programme Committee (TPC) and reviewers to judge on the originality and quality of the work **in a single step acceptance/rejection review process**. Notice that TPC and reviewers will especially care about plagiarism and self-plagiarism.

During the uploading process, authors will be requested to categorize their paper in terms of conference topic and application track. Accepted papers will be submitted to IEEE Xplore, unless otherwise stated by the corresponding author. At least one of the authors of each paper must have a full registration for attending the conference and it is not possible for any person to register more than two papers in his/her name as «presenting author».

APPLICATION TRACKS

Aiming at increasing the interaction between academia and industry, the conference will feature session tracks focused on applications. See the backside for the list of application tracks.

AMTA EUROPE

European representatives of the Antenna Measurement Techniques Association (AMTA) are involved in the conference. AMTA will support the organisation of the exhibition, provide special sessions, cooperate in the application tracks and sponsor the technical tour.

EXHIBITION AND SPONSORSHIP

The conference will provide numerous opportunities for exhibitors and sponsors, according to their strategic visibility and publicity targets. Coffee breaks and lunches will be served at the location or in proximity of the exhibition area, in order to increase the interaction between participants and exhibitors. Detailed information can be obtained from the Exhibition & Sponsorship Chairs or at the conference website.

AWARDS AND GRANTS

During the conference, EurAAP will provide awards to students and experienced authors of the best papers within the scientific & technical areas: Antenna theory, Antenna design, Propagation and Measurement.

Travel Grants in form of a waiver of the registration fees will be awarded to a number of authors of high quality papers from developing countries, who have a difficulty to pay the conference fee.

The detailed information and participation rules about the various awards and grants will be available at www.eucap2017.org.

PARIS AND THE VENUE

Besides its reputation around the world as one of the most cultural and historical cities in the world, Paris also embodies technological progress and is at the heart of scientific discoveries in antennas and propagation !

The "Palais des Congrès" is located downtown in Paris a few minutes away from the city's legendary «Avenue des Champs-Élysées» and is easily accessible by public transport. Eucap 2017 will be located on a single level and will easily allow meetings and scientific exchanges between participants in a comfortable venue with a view over the city.

SCIENTIFIC TOPICS

ANTENNAS AND RELATED TOPICS

- A01 Antenna theoretical methods/Antenna theory
- A02 Electromagnetic theoretical aspects
- A03 Hybrid methods in electromagnetic problems
- A04 High frequency and asymptotic methods
- A05 Computational and numerical techniques
- A06 Optimisation methods in EM
- A07 Antenna interactions
- A08 Antenna systems and architectures
- A09 Metamaterials and metasurfaces
- A10 Transformation electromagnetics
- A11 EBG for antennas
- A12 Active and integrated antennas
- A13 Micro-structure and nano-antennas
- A14 Millimeter-wave antennas
- A15 Submillimeter-wave and Terahertz antennas
- A16 Conformal antennas
- A17 Multiband Antennas
- A18 Wideband antennas
- A19 Reflector, feed systems, and components
- A20 Lens & radomes
- A21 Waveguide and leaky-wave antennas
- A22 Small antennas
- A23 Antenna sensors
- A24 Wearable antennas
- A25 Wire antennas
- A26 Planar Antennas
- A27 Array antennas
- A28 Reflectarrays and transmitarrays
- A29 Frequency and polarisation selective surfaces
- A30 Adaptive and reconfigurable antennas
- A31 UWB antennas and time-domain techniques
- A32 Smart Antennas & Signal Processing

- A33 Compact Multiple Antenna Systems
- A34 Massive MIMO
- A35 3D-printed antenna technologies
- A36 Imaging, sensing, and radar antennas
- A37 Antennas for wireless power transmission and harvesting
- A38 Other antenna topics

PROPAGATION AND RELATED TOPICS

- P01 Propagation Theory
- P02 Ray tracing and numerical simulation techniques
- P03 Propagation modelling and simulation
- P04 Imaging and inverse scattering
- P05 Scattering, diffraction, and RCS
- P06 Measurement techniques
- P07 Millimeter-wave propagation for wireless networks
- P08 UWB propagation
- P09 HF Propagation
- P10 Body-Area propagation
- P11 Indoor Propagation
- P12 Urban Propagation
- P13 Satellite propagation
- P14 Trans-ionospheric and tropospheric propagation
- P15 Propagation for vehicular communications
- P16 Propagation in biological tissues
- P17 Propagation in Vegetated Areas
- P18 Radar, localisation, and sensing
- P19 MIMO Channel modelling
- P20 Channel Sounding and Parameter Estimation techniques
- P21 Other propagation topics

ANTENNA AND RCS MEASUREMENT TECHNIQUES

- M01 General antenna measurements
- M02 Techniques and tools for RF material characterisation
- M03 Test range modeling and validation
- M04 Radar scattering measurement and calibration techniques
- M05 Near-field, far-field, compact, and RCS test ranges
- M06 Data acquisition, imaging algorithms, and processing methods
- M07 EMI/EMC/PIM chambers, instrumentation, and measurements
- M08 Over-The-Air (OTA) multipath testing
- M09 Dosimetry, exposure, and SAR assessment
- M10 Satellite and aerospace antenna characterisation
- M11 Millimeter-wave antenna measurements
- M12 Advanced post-processing and diagnostics
- M13 Advances in MIMO and OTA testing
- M14 Other measurement topics

APPLICATION TRACKS

- T01 Cellular Networks & 5G
- T02 Ultra-High Data Rate Communications
- T03 Wireless LANs
- T04 Connected objects (IoT, RFID, WSN)
- T05 Biomedical applications & Biological effects
- T06 Radar Systems
- T07 Defence & Security
- T08 Positioning, Localization & Tracking
- T09 Space Applications
- T10 Software Tools & Instruments
- T11 Future applications based on novel concepts

ORGANIZING COMMITTEE

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CONTACTS

TPC

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Exhibitions & sponsorship

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