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Authors of accepted papers at EuCAP will have their work published in the conference proceedings. Additionally, authors of the best papers will be invited to submit an extended version for publication in a special issue of either *IET Microwaves, Antennas & Propagation* or the *International Journal of Microwave and Wireless Technologies (EuMA)*.

Accepted papers will be considered for IEEE Xplore, unless otherwise stated by the author.



The 12th European Conference on Antennas and Propagation

8-13 April 2018 | ExCeL London, UK

Key dates for your diary

CONVENED SESSIONS

26 May 2017 Deadline for submission of proposals
26 June 2017 Notification of acceptance

SHORT COURSES AND WORKSHOPS

15 September 2017 Deadline for submission of proposals
23 October 2017 Notification of acceptance

FULL PAPERS

13 October 2017 Deadline for full paper submission
18 December 2017 Notification of paper acceptance

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Call for Papers

This is your chance to present your latest research, results and applications to an international audience of antennas and propagation specialists. Over 1000 global experts from industry and academia are expected to attend EuCAP 2018.

Submission format

Authors are invited to submit their contribution in the form of a final paper in PDF format, 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 and reviewers to judge on the originality and quality of the work in a single acceptance/rejection review process. No change of the paper will be possible after acceptance.

Conference Topics

ANTENNAS AND RELATED TOPICS

- | | |
|---|--|
| A01 Antenna theoretical methods/antenna theory | A13 Micro-structure and nano-antennas |
| A02 Electromagnetic theoretical aspects | A14 Millimetre-wave antennas |
| A03 Hybrid methods in electromagnetic problems | A15 Submillimetre-wave and Terahertz antennas |
| A04 High frequency and asymptotic methods | A16 Conformal antennas |
| A05 Computational and numerical techniques | A17 Multiband antennas |
| A06 Optimisation methods in EM | A18 Wideband antennas |
| A07 Antenna interactions | A19 Reflector, feed systems and components |
| A08 Antenna systems and architectures | A20 Lens & radomes |
| A09 Metamaterials and metasurfaces | A21 Waveguide and leaky-wave antennas |
| A10 Transformation electromagnetics | A22 Small antennas |
| A11 EBG for antennas | A23 Antenna sensors |
| A12 Active and integrated antennas | A24 Wearable antennas |
| | A25 Wire antennas |
| | A26 Planar antennas |

- A27** Array antennas
A28 Reflectarrays and transmit arrays
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 Millimetre-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 modelling 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 Millimetre-wave antenna measurements
M12 Advanced post-processing and diagnostics
M13 Advances in MIMO and OTA testing
M14 Other measurement topics

APPLICATION TRACKS

Aimed at increasing the interaction between academia and industry, EuCAP 2018 features session tracks focused on applications:

- | | |
|---|--|
| T01 Cellular networks and 5G | T07 Defence and security |
| T02 Ultra-high data rate communications | T08 Positioning, localisation and tracking |
| T03 Wireless LANs | T09 Space applications |
| T04 Connected objects (IoT, RFID, WSN) | T10 Software tools and instruments |
| T05 Biomedical applications and biological effects | T11 Future applications based on novel concepts |
| T06 Radar systems | |

About EuCAP

EuCAP, owned by the European Association on Antennas and Propagation (EurAAP) has been organised since 2006. The conference provides an overview of the current state of the art developments and innovations in Antennas, Propagation, and Measurements topics, highlighting the latest requirements for future applications.

Contact us

Sponsorship and Exhibition
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...the country of Shakespeare, Queen, HM The Queen, Big Ben, red phone boxes, fish and chips, the Beatles, James Clerk Maxwell, black cabs, high tea and so much more. Get ready because...

London's calling!

With its abundance of international influence, culture, tourist spots and history, London is the perfect place to host the 12th edition of EuCAP.

The conference will be held in a purpose built conference and exhibition centre, ExCeL, located only five minutes away from London City airport, with two on-site DLR Stations (Prince Regent entrance is situated immediately next to the venue in ICC Capital Hall).

