



## 14<sup>th</sup> European Conference on Antennas and Propagation

### THE CONFERENCE

EuCAP is Europe's largest and most significant antennas and propagation conference attracting more than 1400 participants from academia and industry, and more than 50 industrial exhibitors from all over the world. It is a great forum for exchange of new technical-scientific achievements, for demonstrating state-of-the-art technology, and for establishing and strengthening professional networks.

EuCAP 2020 will mark the beginning of a new decade for technical-scientific research in Antennas, Electromagnetics, Propagation and Measurements as well as the 200 years anniversary of Hans Christian Ørsted's discovery of electromagnetism.

### FORMAT OF THE CONFERENCE

The conference will comprise:

- Plenary sessions with invited and keynote speakers
- Oral sessions (both convened and regular)
- Poster sessions
- Short courses
- Industrial and scientific workshops
- Industrial exhibition

### APPLICATION TRACKS

Aiming at increasing the interaction between academia and industry, the conference will feature session tracks focused on front-line applications; see back side.

### BEST PAPER AWARDS

For EuCAP 2020 there will be a Best Student Paper Award and Best Paper Awards in the four categories Antennas, Electromagnetics, Propagation, and Measurement.

### GRANTS

A limited number of grants covering both travel and registration will be offered to selected authors of high-quality papers. Please see the conference homepage for more information.

### AMTA EUROPE

The Antenna Measurement Techniques Association (AMTA) is strongly involved in the conference. AMTA will contribute with invited speakers, provide special sessions, cooperate in the application tracks, and sponsor the technical tours.

### IET AND EUMA

Authors can apply for publication in a special issue of either *Microwaves, Antennas & Propagation* (IET) or *International Journal of Microwave and Wireless Technologies* (EuMA) during the submission process. Please see the conference homepage for more information.

### 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 in the exhibition area, in order to increase the interaction between participants and exhibitors. Please see the conference homepage for more information.



### COPENHAGEN

Copenhagen is a pocket-sized fairy tale and at the same time, a buzzing and innovative hub of ideas. Copenhagen's airport is Scandinavia's main traffic hub offering direct flights to 150+ international destinations.

Innovative, sustainable and modern design, green oases and clean waters, and excellent food make Copenhagen a unique city.

## Call for Papers

### Copenhagen Denmark

15 – 20 March 2020

### Information for Authors

Authors are invited to submit papers in PDF format, with a minimum length of two and a maximum length of five A4 pages.

The paper must contain enough information for the Technical Programme Committee and reviewers to assess the quality of the work in a single acceptance/rejection review process. It will be possible to revise accepted papers in line with the reviewers' comments.

Submit your paper online at [www.eucap2020.org](http://www.eucap2020.org) no later than 18 October 2019. The submission requires an EDAS® account, which is free.

Presented papers will be included in IEEE Xplore, if the authors choose this option during the submission process. Compliance to the IEEE format is mandatory in this case.

At least one of the authors of each paper must register as delegate for attending the conference. A delegate cannot register more than two papers in his/her name as "presenting author".

### Important Dates

Deadline: 18 October 2019  
Notification: 11 December 2019  
Revised paper: 17 January 2020

### Firm Deadline

For EuCAP 2020, there will be no extension of the paper submission deadline; late or updated submissions will not be accommodated after the deadline.

## Conference Topics and Application Tracks

### Antenna Topics

A01	Antenna theory
A02	Antenna interactions and coupling
A03	THz and nano-optical antennas
A04	Mm- and sub-mm-wave antennas
A05	HF and VHF antennas
A06	Conformal antennas
A07	Dielectric resonator antennas
A08	Electrically small antennas
A09	Lens antennas
A10	Slotted-waveguide and leaky-wave antennas
A11	Multiband and wideband antennas
A12	Wearable and implantable antennas
A13	Adaptive and reconfigurable antennas
A14	Active and integrated antennas
A15	RFID antennas/sensors and systems
A16	UWB antennas and time-domain techniques
A17	Array antennas, antenna systems and architectures (incl. radomes)
A18	Reflector, feed systems, and components
A19	Reflect arrays and transmit arrays
A20	Antennas for wireless power transmission and harvesting
A21	Additive manufacturing
A22	MIMO, diversity, smart antennas & signal processing
A23	Other antenna topics

### Electromagnetics Topics

E01	EM theory
E02	Analytical techniques
E03	Computational and numerical techniques
E04	Optimisation methods in EM
E05	Imaging and inverse scattering
E06	Scattering and diffraction
E07	Frequency and polarization selective surfaces
E08	Metamaterials, metasurfaces and EBG
E09	Nano-electromagnetics
E10	EM education
E11	Other EM topics

### Propagation Topics

P01	Propagation theory
P02	Propagation modelling and simulation
P03	Channel sounding and parameter estimation techniques
P04	Propagation experimental methods and campaigns
P05	Mm-wave and UWB propagation
P06	Indoor and urban propagation
P07	Trans-ionospheric and tropospheric propagation
P08	Satellite propagation
P09	Propagation for vehicular communications
P10	Propagation in biological tissues
P11	Body-area propagation
P12	Radar, localisation, and sensing
P13	Radio science and remote sensing
P14	Other propagation topics

### Measurement Topics

M01	Material characterisation and non-destructive testing
M02	Radar scattering measurement and calibration techniques
M03	Near-field, far-field, compact and RCS range measurement techniques
M04	Data acquisition, imaging algorithms and processing methods
M05	EMI/EMC/PIM chambers, instrumentation, and measurements
M06	Dosimetry, exposure, and SAR assessment
M07	Satellite and aerospace antenna characterisation
M08	Mm-wave, THz, and quasi-optical antenna measurements
M09	MIMO and OTA testing
M10	General antenna measurements
M11	Other measurement topics

### Application Tracks

T01	LTE and Sub-6GHz 5G
T02	Millimetre wave 5G
T03	Wireless LANs
T04	IoT and M2M
T05	Biomedical and health
T06	Aircraft (incl. UAV, UAS, RPAS) and automotive
T07	Defence and security
T08	Positioning, localization & tracking
T09	Space (incl. cubesat)
T10	EM modelling and simulation tools
T11	Fundamental research and emerging technologies

 [www.eucap2020.org](http://www.eucap2020.org)

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