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.

The 2021 host country Germany has a strong antennas and propagation community both in academia and industry. Moreover, antennas and propagation play a central role in the current transition of Germany’s strong automotive industry towards digitally connected cars and autonomous driving. Finally, many cellular operators and telecommunications equipment vendors have large branches and even headquarters in the host city Düsseldorf and the Rhine-Ruhr Area, leading the development of 5G. Therefore, EuCAP 2021 will be a unique place to strengthen the link between the scientific antennas and propagation community and the automotive as well as the 5G industry.

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 reverse side.

BEST PAPER AWARDS
For EuCAP 2021 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. More information will be published at www.eucap2021.org.

IMPACT OF COVID-19
The EuCAP Conference Organising Committee, the EuCAP Steering Committee and EurAAP will carefully monitor the worldwide development of COVID-19 and are taking already all the necessary steps enabling virtual presentations and other online elements for those who may not attend EuCAP 2021 physically due to travel restrictions.

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 home page 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.

DÜSSELDORF
Düsseldorf is a vibrant city with a cosmopolitan way of life and a high living standard. It is also an important venue for conferences and trade fairs, with the corresponding infrastructure such as a modern conference centre, with a large exhibition area, efficient public transport, a large choice of hotel rooms and great variety of restaurants. Düsseldorf is well connected to the European railway network and offers direct flight connections worldwide. With its lively districts, its Rhine Promenade, and the beautiful Old Town known as the “longest bar in the world”, with 260 restaurants and pubs concentrated within 1km², Düsseldorf’s open and welcoming character makes it the perfect place for EuCAP 2021.

INFORMATION FOR AUTHORS
Authors are invited to submit papers online 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.eucap2021.org no later than 16 October 2020. The submission requires an EDAS® account, which is free. Presented papers will be proposed for inclusion 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”.

FIRM DEADLINE
Please recall the EurAAP policy for EuCAP: there will be no extension of the paper submission deadline; late or updated submissions will not be accommodated after the deadline.

IMPORTANT DATES
Deadline 16 October 2020
Notification 22 December 2020
Revised paper 5 February 2021

www.eucap2021.org
Conference Topics and Application Tracks

### Antenna Topics
- A01 Antenna theory
- A02 Antenna interactions and coupling
- A03 Sub mm-wave, THz and nano-optical antennas
- A04 Mm-wave antennas
- A05 Machine learning for 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
- 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 Antenna systems and architectures
- A24 Other antenna topics

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

### Measurements 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 EM/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 and other topics

### Propagation Topics
- P01 Propagation theory and deterministic propagation modelling
- P02 Empirical and statistical propagation modelling
- 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 Machine learning for 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

### 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

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