



# EuCAP 2014

The Hague, The Netherlands

8<sup>TH</sup> EUROPEAN CONFERENCE ON  
ANTENNAS AND PROPAGATION

DEN HAAG WORLD FORUM  
6-11 APRIL 2014



CALL FOR  
PAPERS

## EuCAP 2014, The Hague

### WELCOME

The BENELUX Antenna & Propagation Community welcomes EuCAP 2014 to The Hague, situated on the North Sea Coast, close to Amsterdam Schiphol Airport.



EuCAP 2014 is the 8th European Conference on Antennas & Propagation organised by the European Association on Antennas and Propagation (EurAAP) since 2006. The previous successful editions took place in Nice, Edinburgh, Berlin, Barcelona, Rome, Prague and Gothenburg. The average attendance is around 1000 delegates.

EuCAP is supported by the top level Associations in Antennas and Propagation, thus fostering true collaboration at European and global levels.

AMTA will support the organisation of the Exhibition, provide special AMTA sessions, and cooperate in the application tracks.

### SCOPE OF THE CONFERENCE

To provide a forum on the major challenges faced by the Antenna, Propagation and Measurement communities with the aim of fostering exchange of ideas between experts in their respective fields. Contributions from European and non-European industries, organisations, universities and institutions are solicited. This conference will provide an overview of the current state-of-the-art in the field, highlighting the latest developments and innovations required for future applications.

### THE HAGUE AND THE WORLD FORUM

The Hague is not only the royal residence and the political centre of The Netherlands, but also a city with an international style, hosting many international organisations.

The World Forum provides a multifunctional auditorium, flexible meeting rooms and various break-out areas, making it the perfect venue for EuCAP. The meeting rooms are all accessible from the central hall where the exhibition will be located. This will create a perfect atmosphere for meeting colleagues over a cup of coffee, or getting acquainted with new products and ideas. Hotels and restaurants are easy to reach while parks, theatres and shops are at walking distance.

### FORMAT OF THE CONFERENCE

The conference combines the following formats:

- Plenary sessions with invited keynote speakers
- Oral sessions (both convened and regular)

- Posters (presented in the same central area as the exhibition)
- Short Courses & Workshops
- Exhibition

### APPLICATION TRACKS

EuCAP 2014 will feature a session track focussing on applications. This will increase the interaction between academia and industry. During the submission process, authors will be invited to allocate their contributions to one or more applications, enabling the formation of application tracks in the final program. Contributions not targeting a particular application will be allocated to regular sessions all along the week. The following tracks are proposed:

- Fundamental research
- Satcom on-the-move terminal antennas
- Navigation, localisation, positioning and tracking
- Cellular mobile communications (includes: base station, mobile devices)
- Machine to machine communications, internet of things
- Wireless networks (includes: WLAN, indoor communication)
- High data-rate transfer and backbone networks
- RFID and sensor networks
- Biomedical (includes: human body interaction, on-body antennas, electromagnetic exposure and interactions)
- Satellite communications
- Satellite passive and active remote sensing
- RADAR
- Radio astronomy
- Signal and image processing
- Defense and security
- Short-range Giga-bit communications
- Commercial software

### SHORT COURSES & WORKSHOPS

In the spirit of the previous EuCAP editions, EuCAP 2014 will also provide a series of short courses and workshops. Those interested are invited to submit a firm proposal for a Course before August 20th, 2013.

### EXHIBITION & SPONSORSHIP

EuCAP 2014 will provide ample opportunities for exhibitors and sponsors. The large exhibition area will be located in the central hall that gives access to all meeting rooms and will therefore be the heart of the conference site.

Various sponsorship options are available. The packages range from the basic bronze package to the platinum package, each including an exhibition stand at the conference. In addition to sponsorship there are also advertising opportunities which can further enhance the profile of interested companies.

Contact the conference service provider for further information and floor plans.



## Important Deadlines

<b>Submission of Abstracts</b>	13 October 2013
<b>Notification of Acceptance</b>	15 December 2013
<b>Submission of Final Papers</b>	17 January 2014

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## Conference Topics

### ANTENNAS AND RELATED TOPICS

- A01 Electromagnetic theory and numerical techniques
- A02 Antenna interactions and coupling
- A03 Antenna systems and architectures
- A04 Scattering, diffraction and RCS
- A05 Imaging and inverse scattering
- A06 Small antennas and RF sensors
- A07 Wearable antennas
- A08 Dielectric resonator antennas
- A09 Printed elements, baluns and associated circuits
- A10 Wire antennas
- A11 Slotted-, guided- and leaky-wave antennas
- A12 Array antennas
- A13 Reflectarrays and transmitarrays
- A14 Conformal antennas
- A15 Beamforming, data processing
- A16 Adaptive and reconfigurable antennas
- A17 Active and integrated antennas
- A18 MIMO, antenna diversity, smart and signal processing antennas
- A19 Reflector, feed systems and components
- A20 Lens antennas and radomes
- A21 Frequency and polarisation selective surfaces
- A22 Multiband and wideband antennas
- A23 UWB antennas and time-domain techniques
- A24 Advanced RF materials, metamaterials and EBG
- A25 Millimeter-wave, submillimeter-wave and TeraHertz antennas
- A26 High-power antennas
- A27 Nano antennas

- M06 UWB or frequency-independent antenna measurements
- M07 RF materials characterisation, test techniques and facilities
- M08 EMI/EMC/PIM chamber design, measurements and instrumentation
- M09 End-to-end system testing
- M10 Over-The-Air (OTA) testing of antennas and wireless devices in multipath

### PROPAGATION TOPICS

- P01 Tropospheric propagation
- P02 Radio climatology
- P03 Polarisation issues in propagation
- P04 Satellite propagation modeling and measurement campaigns
- P05 Aeronautical and maritime propagation
- P06 Multi-link MIMO and cooperative channels
- P07 Vehicle-to-vehicle and vehicle-to-infrastructure channels
- P08 Channel-sounding techniques and channel-estimation techniques
- P09 Millimeter- and submillimeter-wave propagation
- P10 Joint antenna-channel issues in propagation
- P11 Outdoor/urban propagation
- P12 Indoor propagation
- P13 Outdoor-to-indoor propagation
- P14 UWB propagation
- P15 Body-centric propagation
- P16 Propagation/interaction with natural media (surface/vegetation)
- P17 Propagation aspects in remote sensing
- P18 Propagation in random media and diffuse scattering
- P19 Propagation in complex media (underground, etc.)
- P20 HF propagation
- P21 Trans-ionospheric propagation
- P22 Propagation effects for radio-astronomy and deep space communications

### MEASUREMENT TOPICS

- M01 General antenna measurements
- M02 Measurement of radar scattering and radar calibration techniques
- M03 Advances in near-field, far-field, compact and RCS test ranges
- M04 Measurement standards and range comparisons
- M05 Data acquisition, imaging algorithms and processing methods



## Contact

**ORGANISATION AND INFORMATION**  
[www.eucap2014.org](http://www.eucap2014.org)

**CONFERENCE SERVICE PROVIDER AND EXHIBITION MANAGER**

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