

## EuCAP 2012 Chairs

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*Industrial Session Chairs*  
Lars J. Foged  
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## Important Deadlines

**Abstract Submission**  
**16 October 2011**

**Notification of Acceptance**  
**16 December 2011**

**Submission of Final Papers**  
**15 January 2012**

**www.eucap2012.org**

**AMTA Liaison**  
Carlo Rizzo

**IEEE Liaison**  
W. Ross Stone

**URSI Liaison**  
Jan Vrba

**Publication & Dissemination Chairs**  
Tomas Kratochvil  
Tomas Fryza  
Ivana Jakubova

**Local Organising Team**  
Martin Mudroch  
Pavel Hazdra  
Ludek Subrt  
Zbynek Skvor

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Preliminary Call for Papers

# EuCAP 2012

6<sup>th</sup> European Conference  
on Antennas  
and Propagation

in cooperation with  
AMTA Europe



**Prague, Czech Republic**  
**26-30 March 2012**

## THE CONFERENCE

In 2012, EuCAP — the European Conference on Antennas and Propagation, has its 6th anniversary, and continues the series of successful conferences in Nice (2006), Edinburgh (2007), Berlin (2009), Barcelona (2010) and Rome (2011).

The European Association on Antennas and Propagation (EurAAP) is pleased to announce EuCAP 2012, to be held in Prague, Czech Republic, on 26 – 30 March 2012.

EuCAP 2012, supported by the top level Associations in Antennas and Propagation, provides, through its presentations and exhibition, an ideal and unique place in Europe for the exchange of scientific and technical information, both at academic and industrial levels, on the latest results and developments in antenna theory and technology. Simultaneously, it fosters collaboration and cooperation in the Antenna and Propagation domain at European and global levels.

## AMTA EUROPE

European representatives of AMTA are involved in the organization of the EuCAP 2012. Co-organisation of the exhibition and special AMTA sessions will be provided.

## THE VENUE

Prague Congress Centre is one of the dominant landmarks of the capital with a wonderful panoramic view of Prague. The biggest Congress Hall, thanks to the excellent acoustics, is ranked among the thirteen best concert halls in the world.

Prague, the capital of the Czech Republic, is our most valuable historical city reserve. In 1992 the historical core of the city covering 866 hectares was listed in the UNESCO World Cultural and Natural Heritage Register. The centre of Prague is characterised by winding alleys and constructions of all architectural styles – Romanesque rotundas, Gothic cathedrals, Baroque and Renaissance palaces, Art Nouveau, Classicist, Cubist and Functionalist houses and modern buildings.



## FORMAT OF THE CONFERENCE

The conference combines the following formats:

- Plenary sessions with invited keynote papers
- Oral sessions, both convened and contributed
- Posters
- Workshops, short courses, industrial sessions
- Exhibition

The number of convened sessions will be balanced to keep the conference open for interesting submissions. Posters will be presented in a large central area, near the exhibition, to attract the attention of participants and to foster fruitful technical discussions.

## CONFERENCE TOPICS

### ANTENNAS AND RELATED TOPICS

- A1 Active and integrated antennas
- A2 Antenna interactions and coupling
- A3 Antennas for remote sensing and radio astronomy
- A4 Array antennas incl. reflect arrays
- A5 Automotive antennas
- A6 Beamforming, data processing and multiple beam antennas
- A7 Electromagnetic theory and numerical techniques
- A8 Electromagnetic exposure and interactions
- A9 Medical applications
- A10 Millimetre / Sub-millimetre wave and THz technologies
- A11 MIMO, multi-antenna systems, smart and signal processing antennas
- A12 Mobile communication
- A13 Multiband, wideband, UWB antennas
- A14 New materials, meta-materials, EBG structures
- A15 Planar and conformal antennas
- A16 Printed elements, baluns and associated circuits
- A17 RCS reduction, prediction, imaging and related theory
- A18 Reconfigurable antennas
- A19 Reflector and lens antennas
- A20 Small antennas, RFID tags and sensors
- A21 Space application antennas (communication & navigation)
- A22 On-body antennas
- A23 Terahertz antennas
- A24 Other antenna topics

### INDUSTRIAL SESSION

- I1 Industrial topics



### PROPAGATION AND RELATED TOPICS

- P1 Mobile propagation channel measurements and modelling
- P2 Polarisation in propagation and remote sensing
- P3 Propagation and scattering in vegetation
- P4 Propagation aspects in wireless sensor networks
- P5 Propagation for fixed satellite services
- P6 Propagation for maritime and aeronautical applications
- P7 Propagation for mobile satellite services and navigation
- P8 Propagation models for automatic network planning
- P9 Propagation models for millimetre and sub-millimetre waves
- P10 Radio climatology
- P11 Rough surface and random media scattering
- P12 Short-wave propagation
- P13 Stochastic and deterministic channel modelling
- P14 Trans-ionospheric propagation
- P15 UWB channel modelling
- P16 Vehicle-to-X channel modelling
- P17 Other propagation topics

### ANTENNA AND RCS MEASUREMENT TECHNIQUES

- M1 Measurements of antennas and radar scattering
- M2 Advances in indoor and outdoor test ranges
- M3 Measurement standards and laboratory comparisons
- M4 Advances in near-field, far-field, compact and RCS ranges
- M5 Data acquisition, algorithms and processing methods
- M6 Measurement imaging, algorithms and processing techniques
- M7 Diagnostics methods for antenna acceptance testing
- M8 Phased-array antenna testing
- M9 Adaptive antenna/smart antenna measurements
- M10 EMI/EMC/PIM chamber design, measurements and instrumentation
- M11 Cellular and automotive application measurements
- M12 RF material design, measurements and instrumentation
- M13 Satellite antenna measurements
- M14 Ultra-wideband or frequency independent antennas measurements
- M15 MM-wave/quasi-optical antenna measurements
- M16 Other measurement topics

