



European Commission
Information Society and Media



2006

EuCAP is an initiative of the European Network of Excellence ACE, co-sponsored by ESA, supported by: **European Conference on Antennas & Propagation**



Chairs of EuCAP2006 :

General chair:

Juan MOSIG, EPFL, Switzerland

6 - 10 November 2006

Nice, France

Vice chairs:

Per INGVARSON, Saab Ericsson Space, Sweden
Bertram ARBESSER-RASTBURG, ESA-ESTEC

Honorary chair:

Antoine ROEDERER, ESA-ESTEC

Local chairs:

Patrice BRACHAT, France Telecom R&D, France
Christian PICHOT, CNRS-UNSA, France

Important Deadlines:

Abstract submission: 24 March 2006
Notification of acceptance: 22 May 2006
Submission of final papers: 17 July 2006

Secretariat :

eucap2006@esa.int

Web page: <http://www.eucap2006.net>
or: <http://www.eucap2006.org>



ITG / VDE



Call for Papers

Introduction and objectives

The first **European Conference on Antennas and Propagation (EuCAP 2006)** is organized by the **European Network of Excellence ACE**, under the **EU 6th Framework Programme (FP6)** and is co-sponsored by the **European Space Agency (ESA)**. As a further step in the ACE efforts to structure and coordinate antenna research in Europe, EuCAP will provide a forum for the European R&D communities in the Antennas & Propagation area, both at academic and industrial levels.

EuCAP is supported by the top level Associations in Antennas & Propagation, and, in the spirit of AP2000, it regroups the former JINA and ICAP conferences, two ESA Workshops on Satellite Antennas and Propagation and the final Workshop of the EC COST Action 284 on Antennas.

EuCAP will provide the right place for the exchange of scientific and technical information and to foster collaboration and cooperation in the Antenna & Propagation domain both at European and global levels. **With this aim, EuCAP will continue beyond 2006 as a regular keystone event on Antennas and Propagation, with a large participation of the world community which is kindly invited to join.**

Format of the conference

The conference combines the following formats:

- Plenary sessions with invited keynote papers
- Convened oral sessions and workshops
- Poster sessions

A one page abstract (possibly completed by figure(s)) must be submitted **before 24 March 2006** for review by the Technical Programme Committee. Acceptance will be notified on 15 May 2006 and the full papers must be submitted **before 17 July 2006**. A CD-ROM containing the papers and a book of abstracts will constitute the Conference Proceedings.

Papers not presented at the conference will be withdrawn.

Contact and submission of papers:

ESA Conference Bureau

Phone: +31 71 565 8746

E-mail: eucap2006@esa.int

Web submission: <http://www.eucap2006.net>

or : <http://www.eucap2006.org>

Exhibits, Short Courses

Companies are invited to exhibit their products (hardware, software and publications) and services at the conference.

Short courses in the frame of the ACE European School of Antennas (ESoA) will also be organised.

Conference venue

EuCAP2006 will take place in the famous French Riviera resort of NICE. The symposium will be held at the Palais des congrès « Acropolis », the traditional venue of the previous JINA Symposia.

Antennas and Related Topics

- A1 - Active and integrated antennas (MEMS...)
- A2 - Analytic and numerical techniques in Electromagnetics
- A3 - Antenna beamforming (digital, optical, RF...)
- A4 - Antennas for mobile communications (WLAN, WIFI)
- A5 - Antennas for space communications and navigation
- A6 - Antennas for space passive and active instruments
- A7 - Antenna interactions and coupling, RFC, EMC
- A8 - Antenna measurements and instrumentation
- A9 - High power antenna design and measurements
- A10 - Industrial and medical applications/ biological interactions
- A11 - Millimeter and sub-millimeter wave antennas
- A12 - Multiband, wideband, UWB antennas
- A13 - New materials, metamaterials, EBG structures
- A14 - Onboard antennas (aircraft, UAV, UCAV, ships...)
- A15 - Planar and conformal arrays
- A16 - Printed elements and associated circuits
- A17 - Reconfigurable antennas, multibeam antennas
- A18 - Radar and GPR antennas, remote sensing antennas
- A19 - Radar cross section
- A20 - Reflector antennas and feed systems
- A21 - Reflect-arrays and lenses
- A22 - Scattering, inverse scattering, detection, microwave imaging
- A23 - Small antennas, RFID tags and sensors
- A24 - Smart and signal processing antennas (MIMO...)
- A25 - Synthesis and optimisation techniques
- A26 - Technologies for satellite antennas
- A27 - Other antenna topics

Propagation and Related Topics

- P1 - Asymptotic and full wave methods
- P2 - Hybrid methods
- P3 - Interference (UWB - Radar - Communications)
- P4 - Mobile radio propagation and channel modelling
- P5 - Over and under water propagation
- P6 - Penetration and shielding
- P7 - Propagation and channel measurements
- P8 - Propagation and coupling indoors and in confined spaces
- P9 - Propagation and scattering in vegetation
- P10 - Propagation for fixed satellite services
- P11 - Propagation for maritime and aeronautical applications
- P12 - Propagation for mobile satellite services and navigation
- P13 - Radio climatology
- P14 - Ray-optical propagation modelling
- P15 - Rough surface and random media scattering
- P16 - Rural and urban propagation
- P17 - Short-wave propagation
- P18 - Stochastic and deterministic channel modelling
- P19 - Transient fields and effects
- P20 - Trans-ionospheric propagation
- P21 - UWB channel modelling
- P22 - Other propagation topics