European Commission
Information Society and Media

EuCAP 2006

European Conference on Antennas & Propagation

EuCAP is an initiative of the European *Network of Excellence ACE*, co-sponsored by ESA, supported by:

SIXTH FRAMEWORK PROGRAMME

COST 284

6 - 10 November 2006

Nice, France

Chairs of EuCAP2006 :

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Local chairs:
Patrice **BRACHAT**, France Telecom R&D, France
Christian **PICHOT**, CNRS-UNSA, France

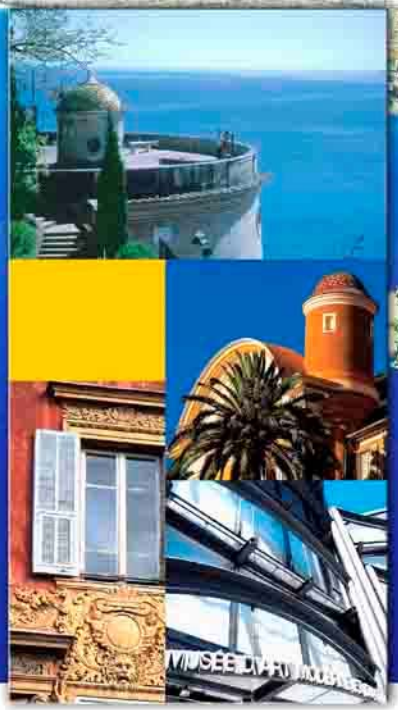
Important Deadlines:

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



Université Nice SOPHIA ANTIPOLIS

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