



## The first European Conference on Antennas and Propagation

6 - 10 Novembre 2006, Nice, France

### ANNOUNCEMENT / CALL FOR PAPERS

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.

#### Format of the conference:

The conference combines the following formats:

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

#### Important deadlines:

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

**Antenna and related topics:** • Active and integrated antennas (MEMS...) • Analytic and numerical techniques in Electromagnetics • Antenna beamforming (digital, optical, RF...) • Antennas for mobile communications (WLAN, WIFI) • Antennas for space communications and navigation • Antennas for space passive and active instruments • Antenna interactions and coupling, RFC, EMC • Antenna measurements and instrumentation • High power antenna design and measurements • Industrial and medical applications/ biological interactions • Millimeter and sub-millimeter wave antennas • Multiband, wideband, UWB antennas • New materials, metamaterials, EBG structures • Onboard antennas (aircraft, UAV, UCAV, ships...) • Planar and conformal arrays • Printed elements and associated circuits • Reconfigurable antennas, multibeam antennas • Radar and GPR antennas, remote sensing antennas • Radar cross section • Reflector antennas and feed systems • Reflect-arrays and lenses • Scattering, inverse scattering, detection, microwave imaging • Small antennas, RFID tags and sensors • Smart and signal processing antennas (MIMO...) • Synthesis and optimisation techniques • Technologies for satellite antennas • Other antenna topics

**Propagation and Related Topics:** • Asymptotic and full wave methods • Hybrid methods • Interference (UWB - Radar - Communications) • Mobile radio propagation and channel modelling • Over and under water propagation • Penetration and shielding • Propagation and channel measurements • Propagation and coupling indoors and in confined spaces • Propagation and scattering in vegetation • Propagation for fixed satellite services • Propagation for maritime and aeronautical applications • Propagation for mobile satellite services and navigation • Radio climatology • Ray-optical propagation modelling • Rough surface and random media scattering • Rural and urban propagation • Short-wave propagation • Stochastic and deterministic channel modelling • Transient fields and effects • Trans-ionospheric propagation • UWB channel modelling • Other propagation topics

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