

# CALL FOR PAPERS

## Second International Workshop on Satellite and Space

**Communications 2006 (IWSSC 2006).** <http://iwssc2006.tsc.uc3m.es>  
**14<sup>th</sup> - 15<sup>th</sup> September 2006, Universidad Carlos III de Madrid. Leganés-MADRID, Spain**

The objective of this workshop is to provide a forum for researchers and technologists to present new ideas and contributions in the form of technical papers, panel discussions and tutorials of ideas in the field of satellite communications. It is intended to bring together various satellite communication systems developers to discuss the current status, technical challenges, standards, fundamental issues, and future services and applications in the form of panels and tutorials. IWSSC'06 seeks to address and capture highly innovative and state of the art research from the satellite communications industry. The scope of the workshop includes a wide range of technical challenges in view of the growing interest for satellite access to Internet, multi-media and broadband access to satellite communication systems, the evolution of future satellite communications with access across hybrid platforms, the definition of a cross-layer design for improving the efficiency and the performance of the air interface.

### The topics of interest include but are not limited to the following:

- Standards Status (e.g., ITU, ETSI)
- Hybrid satellite and terrestrial Networks
- Navigation Services
- Reliable Multicast Protocols
- Innovative services through satellite
- TCP Performance over Satellite
- IP on Satellite
- Routing protocols
- Onboard switching and processing technologies
- QoS Issues
- Medium access control protocols
- Cross-layer air interface design
- Handover techniques
- Call admission control schemes
- Dynamic bandwidth allocation
- Radio resource management for S-UMTS
- HSDPA via satellite
- Advances in modulation and coding
- Advances in antenna technology
- Channel models

### General Chair

Giovanni Giambene, University of Siena, Italy

### General Co-Chair and Finance Chair:

Francisco J. González Serrano, Univ. Carlos III de Madrid, Spain

José Ignacio Moreno, Universidad Carlos III de Madrid, Spain

### General Vice-Chair

Boon Sain Yeo, Wavex Technologies Pte Ltd, Singapore

### Technical Program Chair:

M. Angeles Vázquez Castro, Univ. Autònoma de Barcelona, Spain

### Technical Program Co-Chairs:

Michel Bousquet, SUPAERO, Toulouse, France

Sastri Kota, Harris Corporation, USA

### Panel and Tutorials Chair:

Anton Donner, German Aerospace Center, DLR, Germany

### Publicity Chair:

Erina Ferro, Ins. of Information Science and Tech. CNR-Pisa, Italy

### Publication Chair

Antonio Cuevas Casado, Universidad Carlos III de Madrid, Spain

### Steering Committee

Manuel Alvarez-Campana, Universidad Politécnica de Madrid, Spain

Michel Bousquet, SUPAERO, Toulouse, France

Gorry Fairhurst, University of Aberdeen, UK

Giovanni Giambene, University of Siena, Italy

Francisco J. González Serrano, Univ. Carlos III de Madrid, Spain

José Ignacio Moreno, Universidad Carlos III de Madrid, Spain

Francisco Javier Gonzalez Castaño, Universidad de Vigo, Spain

Boon Sain Yeo, Wavex Technologies Pte Ltd, Singapore

### Local Organizing Committee

José Ignacio Moreno, Universidad Carlos III de Madrid, Spain

Francisco J. González Serrano, Univ. Carlos III de Madrid, Spain

Antonio Cuevas Casado, Universidad Carlos III de Madrid, Spain

Pedro Vico Solano, Universidad Carlos III de Madrid, Spain

Carlos Figuera Pozuelo, Universidad Carlos III de Madrid, Spain

### Conference Secretariat:

CONGREGA, Fundación Universidad Carlos III

Avda. de la Universidad, 30, 28911 - Leganés, Madrid - Spain.

Tel: +34 91 6249142, Fax: +34 91 6249147

Email: [congrega@fund.uc3m.es](mailto:congrega@fund.uc3m.es)

Hosted by:



Universidad Carlos III de Madrid  
Madrid, Spain

### Paper Submission Guidelines

Acceptance will be based on an extended abstract (NOT the full paper) of about 1500 words (two pages in the standard IEEE conference format). The extended abstract should include diagrams, initial results, and other detail required for the reviewers to be able to assess the contribution of your work. In addition to the extended abstract, a short paper description (approx. 150 words). Extended abstract must be submitted electronically by April 1, 2006, via the conference Web site:

<http://iwssc2006.tsc.uc3m.es>

\*\*\*A special session will be made available for young researchers to provide them with the opportunity to present their activities.\*\*\*

### Panel Sessions & Tutorials

Proposals for Tutorial and Panel Sessions are also being solicited. Tutorials (half-day or full-day sessions) are intended to provide in-depth learning on a specific topic of interest to the participants. Panel sessions are 60 minutes long. They present leaders in a particular area discussing a topic of interest to the attendees of IWSSC 2006. Proposals for Tutorials and Panel sessions should consist of 1000 words summary, a 150 word abstract, and a cover page listing the details of the author (s) as given above. Please submit your proposal to the tutorial and panel Chair, Anton Donner, DLR, Germany. [Anton.Donner@dlr.de](mailto:Anton.Donner@dlr.de)

### Exhibitions

Exhibitions of company products are solicited for the Technical Subject Areas. Interested parties should contact the Local Organizing Committee by email: [iwssc2006@tsc.uc3m.es](mailto:iwssc2006@tsc.uc3m.es), [fran@tsc.uc3m.es](mailto:fran@tsc.uc3m.es)

### Important Dates

Last date for submitting of papers, proposals for tutorials and panel sessions: **April 16, 2006 (EXTENDED)**

Notification of Acceptance: **June 15, 2006**

Last date for submission of camera-ready versions of accepted papers: **July 15, 2006.**

Sponsored by:



IEEE  
COMMUNICATIONS  
SOCIETY