



2007 International Workshop on Satellite and Space Communications (IWSSC 2007)

13th-14th September 2007, University of Salzburg, Austria

<http://iwssc2007.sbg.ac.at/>

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. IWSSC 2007 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.

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
- Transport Protocol Performance over Satellite
- IP over Satellite
- Routing Protocols
- Onboard Switching and Processing Technologies
- QoS Issues
- Radio Resource Management
- Cross-layer Air Interface Design
- Call Admission Control Schemes
- Dynamic Bandwidth Allocation
- Advances in Modulation and Coding
- Advances in Antenna Technology
- Channel Models
- Security Aspects and Issues
- Forward and Return Link Encapsulation

General Chair

Giovanni Giambene, University of Siena, Italy

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Bernhard Collini-Nocker, University of Salzburg, Austria

Andreas Maier, University of Salzburg, Austria

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William W. Wu, Advanced Technology Mechanization, USA

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Paper Submission Guidelines

Acceptance will be based on an extended abstract or a full paper. In case of an extended abstract submission, diagrams, results, and bibliography have to be provided to allow the reviewers to assess the contribution of your work. In addition to the paper submission, an abstract (approx. 150 words) shall be submitted. The submission has to be performed electronically by **April 18, 2007**, via the conference web site:

<http://iwssc2007.sbg.ac.at>

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

Live Demonstrations and Experimentations

The workshop will be broadcasted via the SatNEX satellite platform.

Special Sessions & Tutorials

Proposals for Special Sessions and Tutorials are also being solicited. Special Sessions are about 90 minutes long. They focus on advanced topics in particular areas of interest to the attendees of IWSSC 2007. Tutorials (half-day or full-day sessions) are intended to provide in-depth learning on a specific topic of interest to the participants. Proposals for Special Sessions and Tutorials should consist of a 1000 words summary, a 150 words abstract, and a cover page listing the details of the author(s) as given above. Please submit your proposal to the Special Session Chair Giovanni Giambene (giambene@unisi.it) and to the Tutorial Chair Anton Donner (anton.donner@dlr.de) until **February 1, 2007**.

Exhibitions

Exhibitions of company products are solicited for the Technical Subject Areas. Interested parties should contact the Local Organizing Committee by e-mail until **June 1, 2007**: iwssc2007@cosy.sbg.ac.at

Important Dates

Last date for submitting the extended abstract: **April 18, 2007**

Notification of acceptance: **June 15, 2007**

Last date for submission of camera-ready versions of accepted papers:

July 15, 2007

Supported by:

