



## CALL FOR PAPERS

### SELECTED AREAS IN COMMUNICATIONS SYMPOSIUM

### SATELLITE AND SPACE COMMUNICATIONS TRACK

#### Track Chair

Igor Bisio, University of Genoa, Italy  
Igor.bisio@unige.it

#### Scope and Topics of Interest

Many wireless technologies largely in use today are based on the foundations laid by satellite communications researchers four decades ago. Therefore, new paradigms in this area can evolve into breakthroughs in wireless technology. The Satellite and Space Communications track solicits original and unpublished work not currently under review by any other conference or journal. The focus of this track is on exploring and discussing new technical breakthroughs and applications focusing on all aspects of satellite and space communications. Topics of interest for the Satellite and Space Communications Track of the Selected Areas in Communications Symposium include, but are not limited to:

- Satellite and space communications and networking
- Earth-space communications
- Antennas for Satellite Communications
- MIMO satellite communications
- Hybrid satellite/terrestrial networks
- Coding, modulation and synchronization schemes for satellite communications
- Channel models for satellite communications
- Reliable multicast protocols for satellite networks
- Transport protocol performance over satellite
- IP over satellite routing protocols
- Game theory applications in satellite networks
- Security, privacy, and trust in satellite networks
- Radio resource management in satellite networks
- Emerging standards: DVB-S2, DVB-RCS, IP over Satellite
- Cognitive satellite networks
- Delay Tolerant Networking for satellite networks
- Cross-layer air interface design
- On-board switching and processing technologies
- QoS and performance for satellite networks
- Call admission control schemes for satellite access
- Dynamic bandwidth allocation in satellite communications systems
- Fade mitigation techniques over satellite channels
- Special protocols for nano-satellites
- Nano-satellites communications
- Nano-Satellite constellation design
- Geographic information systems
- Wireless positioning technologies and applications

- Signal detection and estimation for satellite communications
- RF engineering for satellite communications
- Oscillator circuit design for satellite communication systems
- Statistical and adaptive signal processing for satellite systems
- Radar systems analysis and modeling
- Warfare through satellite systems
- Satellite-based disaster recovery
- Satellite-based remote e-Health
- Satellite based alarm systems
- Satellite-based solutions for aeronautical applications

### **Submission Guidelines**

Prospective authors are invited to submit original technical papers by the deadline of **15 March 2013** for publication in the IEEE Globecom 2013 Conference Proceedings and for presentation at the conference. Submissions will be accepted through EDAS. All submissions must be written in English and be at most six (6) printed pages in length, including figures. For full details, please visit the following website:

<http://www.ieee-globecom.org/2013/submguide.html>