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 The Satellite and Space Communications track solicits original and unpublished work not currently under review by any other conference or journal.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