

**Call for Papers for Selected Areas in Communications Symposium
Satellite and Space Communications Track
(SAC-9 SSC)**

Symposium Track Chair

Igor Bisio University of Genoa, Italy

Submissions must be done through EDAS at: <https://edas.info/newPaper.php?c=22650&track=81065>
The paper submission deadline is October 14, 2016.

Scope and Motivation

The recent advances of satellite communication technology have witnessed an unprecedented increase of services possibly distributed according to anywhere-anytime paradigm. To this regard, the appearance of new standards and the simultaneous integration with terrestrial infrastructure has introduced new technical challenges to be faced by the scientific community.

The Satellite and Space Communications track solicits original and unpublished work not currently under review by any other conference or journal.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

Main Topics of Interest

The Satellite Space Communications track solicits original contributions in, but not limited to, the following topical areas:

- Satellite and space communications and networking
- Near-Earth satellite 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
- Transport protocol performance over satellite
- Security, privacy, and trust in satellite networks
- Radio resource management in satellite networks
- Emerging standards: DVB-Sx, DVB-SH, DVB-RCS2, IP over Satellite
- Cognitive satellite networks
- Delay Tolerant Networking for satellite networks
- QoS and performance for satellite networks
- On-board switching and processing technologies
- Interference and Fade mitigation techniques over satellite channels
- Nano-satellites communications
- Mega-constellations design
- M2M over satellite applications
- New standard in navigation systems: Galileo, GPS, SBAS (EGNOS, WAAS...), GBAS.
- Signal detection and estimation for satellite communications
- Statistical and adaptive signal processing for satellite systems
- Satellite communications for maritime applications (e.g., AIS)
- Satellite-based disaster recovery
- Satellite-based remote e-Health
- Satellite-based solutions for aeronautical applications
- Interplanetary communications
- Next-generation channel coding for deep-space communications
- Telemetry/telecommand space protocol evolutions
- Internet of Remote Things

Biography

Igor Bisio got his “Laurea” degree at the University of Genoa, Italy in 2002. He obtained his Ph.D. degree in “Information and Communication Sciences” at the University of Genoa in 2006. His Ph.D. was funded by the Italian Consortium of Telecommunications (CNIT). He is currently Assistant Professor and member of the research staff of the Telecommunication Research Group and, in particular of the Digital Signal Processing and (DSP) the Satellite Communications and Networking (SCNL) Laboratories at the University of Genoa. He is IEEE Communications Society (ComSoc) Member and since 2012 to 2016 he was the Chair of the IEEE ComSoc Satellite and Space Communications Technical Committee. He is also IEEE Aerospace and Electronic Systems, IEEE Computers and IEEE Signal Processing (SPS) Societies member. He served as Treasurer of the IEEE SPS Italian Chapter and is member of the Special Interest Group (SIG) about Internet of Things of the IEEE SPS. He is author of around 100 papers including journals, conferences and book chapters. He is recipient of several Awards. He is Associated Editor of the IEEE Internet of Things, IEEE Access and Elsevier Digital Communications and Networks Journals. His research concerns Signal Processing over Internet of Things, Context and Location Awareness, Adaptive Coding, Safety and e-health Applications, Satellite Communication systems.