IEEE International Conference on Communications
IEEE ICC 2014
Communications: The Centrepoint of the Digital Economy
10 - 14 June 2014, Sydney, Australia

Selected Areas in Communications Symposium: Satellite and Space Communications Track

Track Chair

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The 2014 IEEE International Conference on Communications (ICC) will be held in the beautiful city of Sydney, Australia between 10 and 14 June 2014. The theme of this flagship conference of IEEE Communications Society for 2014 is "*Communications: The Centrepoint of the Digital Economy*." The conference will feature a comprehensive technical program including twelve Symposia and a number of Tutorials and Workshops. IEEE ICC 2014 will also include an attractive expo program including keynote speakers, and Industry Forum & Exhibitions (IF&E). We invite you to submit your original technical papers, industry forum, workshop, and tutorial proposals to this event. Accepted and presented papers will be published in the IEEE ICC 2014 Conference Proceedings and in IEEE Xplore®. Full details of submission procedures are available at http://www.ieee-icc.org/2014.

Scope and Topics of Interest

The Satellite and Space Communications Track will focus on exploring and discussing new technical breakthrough and applications focusing on all aspects related to satellite and space communications. Recognizing the facts that many of wireless technologies used today are based on the efforts started by satellite communications researchers four decades ago, the right idea properly studied in satellite communications can create a new paradigm in wireless technology.

To ensure complete coverage of the advances in this field, the Satellite and Space Communications Track solicits original contributions in, but not limited to, the following topical areas:

- Satellite and space Communications and Networking (Earth-space communications, MIMO satellite communications, Hybrid satellite/terrestrial networks: integration between satellite, MANET, VANET and wireless sensor networks, Coding, modulation and synchronization schemes, Access Schemes, Demand Assignment Multiple Access (DAMA), Cross-layer air interface design, Channel models, Navigation services, Reliable multicast protocols, Transport protocol performance over satellite, IP over satellite Routing protocols, Game theory applications in satellite networks, Onboard switching and processing technologies, QoS and performance, Call admission control schemes, Dynamic bandwidth allocation, Adjacent and terrestrial interference, Fade mitigation techniques, Advanced channel modeling, Security, privacy, and trust, IT application in Space Communications, Emerging standards: DVB-S2, DVB-RCS, IP over Satellite, Cognitive satellite networks, M2M and SCADA applications, Delay Tolerant Networking)

- Geographic Information and applications (Earth observation, Global positioning systems, Digital terrain modeling, GNSS, inertial and multi-sensor integrated navigation systems, Wireless positioning technologies and applications, Modern tracking systems, Satellite navigation)

- Satellite/space communications-based applications (Satellite-based disaster recovery, Satellite-based large-scale sensor-networks, Satellite-based power grids monitoring and control, Satellite-based remote e-Health, Satellite based alarm systems, Satellite-based weather forecast, Satellite-based earthquake/environmental surveillance, Satellite-based solutions for aeronautical applications)

- Interplanetary communications and exploration missions (Planetary exploration management, Space astronomy advances, Human exploitation of space resources)

- Antennas for Satellite Communications (Antenna design and communications, Adaptive antenna and phased arrays for radar and communications, Smart antennas)

Submission Guidelines

Prospective authors are invited to submit original technical papers by the deadline 15 September 2013 for publication in the IEEE ICC 2014 Conference Proceedings and for oral or poster presentation(s). All submissions should be written in English with a maximum paper length of Six (6) printed pages (10-point font) including figures without incurring additional page charges (maximum 1 additional page with over length page charge if accepted).

Standard IEEE Transactions templates for Microsoft Word or LaTeX formats found at
http://www.ieee.org/portal/pages/pubs/transactions/stylesheets.html

Alternatively you can follow the sample instructions in template.pdf at
http://www.comsoc.org/confs/globecom/2008/downloads/template.pdf
Only PDF files will be accepted for the review process and all submissions must be done through EDAS at
http://edas.info/

Hiroki Nishiyama has been an Associate Professor at the Graduate School of Information Sciences in Tohoku University since 2012. He is a member of IEEE ComSoc SSC TC since 2010, and served as a TPC member and reviewer in many conferences. He has more than 30 publications on satellite communication network technologies in the last 5 years. With outstanding achievements in this research field, he received the IEICE Communications Society Academic Encouragement Award 2011 and the 2009 FUNAI Foundation's Research Incentive Award for Information Technology. He is also a recipient of the Best Paper Awards in many international conferences including the IEEE VTC-Spring'13, the IEEE WCNC'12, and the IEEE GLOBECOM'10. He is a senior member of the IEEE and a member of IEICE.