CALL FOR PAPERS

WIRELESS COMMUNICATIONS SYMPOSIUM

Symposium Co-Chairs

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Scope and Topics of Interest

The Wireless Communications Symposium will cover all aspects related to wireless communications and its applications, with a focus on topics related to physical layer (PHY), MAC layer, cross-layer, and physical layer-related network analysis and design. High quality papers reporting on novel and practical solutions to PHY, MAC, and cross-layer design in wireless communication systems are encouraged. In addition, papers on field tests and measurements, field trials and applications from both industries and academia are of special interest. To ensure complete coverage of the advances in wireless communications technologies for current and future wireless systems, the Wireless Communications Symposium cordially invites original contributions in, but not limited to, the following topical areas:

- Modulation, coding, and diversity techniques
- Ultra-wideband communications (UWB)
- Smart antennas
- MIMO and multi-antenna communications
- Multi-user MIMO
- Space-time coding and processing
- OFDM and multi-carrier systems
- Advanced equalization for single carrier systems
- Channel state information feedback techniques
- Distributed multipoint, relay assisted, and cooperative communications
- Multiple access techniques and air interfaces (CDMA, TDMA, FDMA, OFDMA)
- Physical-layer aspects of cellular networks such as IMT2000, UMTS, LTE, and IMT-Advanced
- Standardization of wireless systems
- Detection and estimation

- Security issues related to wireless communications
- Localization techniques
- Wireless communications testbed development
- Field tests and measurements
- Channel characterization and modeling
- Physical-layer network coding
- Opportunistic and dynamic spectrum access
- Hybrid wireless communication systems (e.g. satellite/terrestrial hybrids)
- Broadband wireless access techniques and systems
- Cross-layer design and physical-layer based network issues
- Physical-layer aspects of body area networks (BANs) and wireless personal area networks (WPANs)
- Physical-layer aspects of wireless local-area networks (LANs)
- RFID and its applications
- Digital video broadcasting (DVB) and digital audio broadcasting (DAB) techniques
- Coexistence in unlicensed spectra
- Radio resource management and interference control
- Wireless multimedia and QoS
- Underwater wireless communications
- Interference alignment and cancellation techniques
- Heterogeneous and femtocell networks

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