CALL FOR PAPERS

SIGNAL PROCESSING FOR COMMUNICATIONS SYMPOSIUM

Symposium Co-Chairs

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Scope and Topics of Interest

Advanced signal processing plays a key role in the development of modern communication technology. More and more signal processing algorithms are designed and modules developed to provide novel solutions to current and emerging communication systems. Considering the diverse and fast-growing nature of research in this field, we solicit original contributions in all relevant aspects of signal processing for communications and networking, including design, analysis, implementation, and application.

The issues addressed in this symposium are broad, ranging from traditional transceiver design, to cross-layer optimization, state-of-the-art signal processing methodologies in prevalent and emerging communication systems, and application to new frontiers including cognitive radio and smart grid. Our intention is to provide a comprehensive coverage of recent advances in signal processing for current and next-generation communication systems and networks. Topics of interest include, but are not limited to:

- Channel estimation
- Equalization
- Synchronization and signal detection
- Novel architectures for demodulation and decoding
- Signal processing for OFDM and OFDMA systems
- Signal processing for spread-spectrum and CDMA systems
- Signal processing for ultra-wideband and impulse radio
- Signal processing techniques for commercial/standardized systems (LTE, LTE/A, WiMAX)
- Multi-antenna (SIMO, MISO, MIMO) and multi-user systems
- Adaptive antennas and beamforming
- Distributed, decentralized, and cooperative signal processing in networked systems
- Compressive sensing algorithms
- Localization and positioning techniques
- Signal processing for cognitive radio
- Signal processing for green communications
- Signal processing for smart grid and powerline communications
- Signal processing for security and cryptography
- VLSI/ASIC/FPGA circuits and systems for communications
- Speech, image and video signal processing

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