

Wireless Communications Track: Call For Papers

The Wireless Communications Track invites high quality papers reporting on novel and practical solutions to Physical Layer (PHY), Mac Layer (MAC), and cross-layer design in wireless communication systems. The purpose is to provide a platform for researchers and technologists from both academia and industry to present new ideas and contributions in wireless communications. To ensure complete coverage of the advances in wireless communications, the Wireless Communications Track cordially invites original contributions in, but not limited to, the following topical areas:

- Modulation, coding, and diversity techniques
- Cognitive radio and software defined radio
- Ultra-wideband communications (UWB)
- MIMO and multi-antenna communications
- Multi-user MIMO
- Space-time coding and processing
- OFDM and multi-carrier systems
- Advanced equalization for single carrier systems
- Smart antennas
- Wireless air interface and link control
- CDMA, TDMA, FDMA, OFDMA air interfaces
- Detection and estimation
- Cross-layer design and physical layer based network Issues
- Security issues related to wireless communications
- Localization techniques
- Distributed multipoint, relay assisted, and cooperative communications
- Wireless communications testbed development
- Field tests and measurements
- Network coding
- Energy efficient techniques
- Large scale and distributed antenna cooperation
- Interference alignment and mitigation
- Signal processing for PHY
- Wireless optical communications