IEEE GLOBECOM™ 2019

IEEE Global Communications Conference
9-13 December 2019 • Big Island, Hawaii, USA
Revolutionizing Communications

CALL FOR PAPERS AND PROPOSALS

Call For Papers
Wireless Communications Symposium

SYMPOSIUM CO-CHAIRS:

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SCOPE AND MOTIVATION:

The Wireless Communications Symposium covers all aspects related to current and future wireless communications and its applications, with a focus on topics related to physical layer (PHY), Medium Access Control (MAC) layer, cross-layer, and PHY-related network analysis and design. High quality papers reporting on novel and practical solutions to PHY, MAC, and cross-layer designs 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.

MAIN TOPICS OF INTEREST:

To ensure complete coverage of the advances in wireless communications technologies for the current and future systems, the Wireless Communications Symposium cordially invites original contributions in, but not limited to, the following topical areas:

• Advanced equalization, channel estimation, and synchronization
• Modulation, coding, and diversity techniques
• Antennas, smart antennas, and space-time processing
• MIMO, multi-user MIMO, and massive MIMO
• Millimeter wave and Terahertz communications
• Channel modelling and propagation
• Interference modelling and performance analysis using stochastic tools
• Interference management, alignment, and cancellation
• Multiple access techniques and air interfaces (CDMA, TDMA, FDMA, OFDMA, NOMA)
• Wireless access techniques, systems, and standards
• Cross-layer design and physical-layer based network issues
• Radio resource allocation and interference management
• Cooperative and relay-aided communications

- Inter-cell interference coordination (ICIC) and coordinated multi-point (CoMP)
- Heterogeneous and small-cell networks
- Hybrid communication systems (e.g. satellite/terrestrial/wireline hybrids)
- Physical layer issues in device-to-device and machine-to-machine communications
- Localization and navigation techniques
- Wireless power transfer and energy harvesting for wireless communications
- Performance analysis of wireless communication systems
- Security issues related to wireless communications
- Physical-layer aspects of wireless sensor networks
- RFID and its applications
- Wireless network coding
- Wireless communications on different media (e.g., underwater)
- Digital broadcasting of audio (DAB), video (DVB), and multimedia (MBMS)
- Wireless system standards
- Wireless communications testbeds, field tests, and measurements
- Artificial intelligence and machine learning for wireless communication systems.

PAPER SUBMISSION AND IMPORTANT DATES:

Paper submission due: 15 April 2019
Acceptance notification date: 15 July 2019
Camera-ready paper due: 16 Aug 2019

Please use the following link for submitting papers to the Globecom2019 WCS track: https://edas.info/N25074.