



Call for Papers for *Wireless Communications Symposium*

Symposium Co-Chairs

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Scope and Motivation

The Wireless Communications Symposium invites high-quality submissions in all areas of wireless communications and its applications, with a strong focus on topics related to physical layer (PHY), Medium Access Control (MAC) layer, cross-layer, and PHY-related network analysis and design. Papers on field tests and measurements, field trials and applications from both industry and academia are also highly encouraged.

Topics of Interest

The Wireless Communication Symposium seeks original contributions in the following topical areas, plus others that are not explicitly listed but are closely related:

- Advanced equalization, channel estimation, and synchronization
- Antennas, smart antennas, and space-time processing
- Channel modelling and propagation
- Cooperative and relay-aided communications
- Cross-layer design and physical-layer based network issues
- Digital broadcasting of audio (DAB), video (DVB), and multimedia (MBMS)
- Heterogeneous and small-cell networks
- Hybrid communication systems (e.g. satellite/unmanned aerial vehicles/terrestrial/wireline hybrids)
- Inter-cell interference coordination (ICIC) and coordinated multi-point (CoMP)
- Interference management, alignment, and cancellation

- Intelligent reflecting surface enhanced wireless communications
- Localization and navigation techniques
- Machine learning for wireless communication systems
- Millimeter wave and Terahertz communications
- MIMO, multi-user MIMO, massive MIMO
- Mobile edge computing and edge AI
- Modulation, coding, and diversity techniques
- Radio resource allocation
- RFID and backscatter communications
- Security/privacy issues related to wireless communications
- Ultra-reliable low latency communications (uRLLC)
- Wireless communications testbeds, field tests, and measurements
- Wireless power transfer and energy harvesting for wireless communications
- Wireless system standards

Important Dates

Paper Submission: 12 October 2020

Notification: 25 January 2021

Camera Ready and Registration: 22 February 2021

Paper Submission

All papers for technical symposia should be submitted via EDAS. Full instructions on how to submit papers are provided on the IEEE ICC2021 website: <https://icc2021.ieee-icc.org/>