



Call for Papers

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 the physical layer (PHY), medium access control (MAC) layer, cross-layer, and PHY-related network analysis and design. In particular, papers on comprehensive field tests and measurements, trials and applications from both industry and academia are highly encouraged. As Colorado is a national hub for the Cable, Space, and Satellite Communication Industries, submissions on topics of interest to these industries are especially encouraged.

Topics of Interest

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

- Advanced equalization, channel estimation, and synchronization
- Antennas, smart antennas, and space-time processing
- Artificial intelligence and machine learning for wireless communication systems
- Channel modelling and propagation
- Cooperative communications, relaying, and intelligent reflecting surfaces
- Cross-layer design and physical-layer based network issues
- Full-duplex techniques
- Green communication systems
- Heterogenous and small-cell networks
- Hybrid communication systems (e.g. satellite/UAV/terrestrial/wireline hybrids, and optical wireless)
- Integrated sensing and communication
- Interference management, alignment, and cancellation

- Localization and navigation techniques
- Low power communications
- Millimeter wave and Terahertz communications
- MIMO, multi-user MIMO, massive MIMO, XL-MIMO and holographic MIMO
- Mobile edge computing and edge AI
- Modulation, coding, and diversity techniques
- Performance analysis of wireless communication systems
- Radio resource allocation and management
- RFID and backscatter communications
- Security/privacy issues related to wireless communications
- Ultra-reliable low-latency communications
- Wireless access techniques, systems, and standards
- Wireless communications on different media (e.g., underwater)
- Wireless communications testbeds, field tests, and measurements
- Wireless power transfer and energy harvesting for wireless communications
- Wireless system standards

Important Dates

Paper Submission: 11 October 2023

Acceptance Notification: 18 January 2024

Camera-Ready: 15 February 2024

How to Submit a Paper

All papers for technical symposium should be submitted via EDAS. Full instructions on how to submit papers are provided on the IEEE ICC 2024 website: <https://icc2024.ieee-icc.org/>