

IEEE GLOBECOM 2023

4-8 December 2023 // Kuala Lumpur, Malaysia

CALL FOR PAPERS

Intelligent Communications for Shared Prosperity

Wireless Communications 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 as well as emerging topics. Papers on field tests and measurements, field trials and applications from both industry and academia are also highly encouraged.

Topics of Interest

To ensure complete coverage of the advances in wireless communications technologies for the current and future systems, 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
- Non-orthogonal multiple access (NOMA)
- Rate splitting multiple access (RSMA)
- 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/Space-Ground Integrated Networks)
- Inter-cell interference coordination (ICIC) and coordinated multi-point (CoMP)
- Interference management, alignment, and cancellation
- Intelligent reflecting surface enhanced wireless communications