Special Issue

Massive MIMO Technology for 5G and Beyond

Message from the Guest Editors

The main aim of this Special Issue is to seek new theories in massive MIMO, including channel characteristics, performance analysis, and optimization methods. The topics of interest include, but are not limited to:

- Channel measurements and modeling in massive MIMO system;
- Novel channel characteristics for massive MIMO system, i.e., non-stationary property, channel sparsity in time and spatial domain;
- Theoretical performance analysis for massive MIMO system;
- Application of massive MIMO system in novel scenarios, i.e., aerial vehicles, massive connectivity, ultra low-latency communications, and ultra-reliable communications;
- Advanced and low-complexity massive MIMO enabling transmission technique design, i.e., channel estimation, hybrid-beamforming, MU-MIMO, and cell-free deployments;
- Joint MIMO transceiver design;
- New paradigm of massive MIMO system, i.e., reconfigurable intelligent surface (RIS), holographic MIMO;
- New mathematical methods of signal processing for massive MIMO system;
- Artificial Intelligence applications of robust massive MIMO system design.

Guest Editors

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Deadline for manuscript submissions

closed (30 April 2023)

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About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

Editor-in-Chief

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