

Special Issue

Multiple-Antenna Techniques for Wireless Communication

Message from the Guest Editors

Multiple-antenna systems have become a cornerstone of modern wireless communication, enabling enhanced data rates, spectral efficiency, and reliability. This Special Issue aims to showcase cutting-edge research on multiple-antenna techniques, including but not limited to MIMO (Multiple-Input Multiple-Output), beamforming, spatial multiplexing, and massive MIMO architectures. We welcome the submission of both theoretical and practical contributions that address current and emerging challenges in 5G, 6G, and beyond. Topics of interest include signal processing algorithms, antenna array design, channel modeling, reconfigurable intelligent surfaces (RISs), and integration with AI and machine learning techniques. We also invite the submission of studies on energy-efficient and hardware-constrained implementations for IoT- and UAV-based communications. This Special Issue will serve as a platform for researchers and practitioners to present novel solutions that advance the state of the art in multi-antenna wireless systems and shape the future of wireless connectivity.

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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 guestedited by leading experts in selected topics of interest.

Editor-in-Chief

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