

Special Issue

Antenna Technologies for 5G/6G Wireless Systems

Message from the Guest Editors

This Special Issue focuses on advanced antenna technologies that enable current 5G systems and support the development of future 6G wireless networks. With the increasing demand for higher data rates, ultra-low latency, massive device connectivity, and improved energy efficiency, antenna systems have become a fundamental component of next-generation wireless communications. The scope of this topical collection includes theoretical, numerical, and experimental research on antenna technologies operating across sub-6 GHz, millimeter-wave (mmWave), and terahertz (THz) frequency bands. Topics of interest include, but are not limited to, single-antenna and multi-antenna systems, MIMO and massive MIMO arrays, beamforming and beam-steering techniques, compact and wideband antennas, reconfigurable and intelligent antennas, and antenna systems for emerging applications such as integrated sensing and communications (ISAC), vehicular and UAV communications, satellite-terrestrial networks, and Internet of Things (IoT) environments. Contributions that address antenna co-design with RF front-ends, propagation channels, and system-level constraints are also encouraged.

Guest Editors

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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 guestedited by leading experts in selected topics of interest.

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