

Special Issue

Millimeter-Wave Phased Arrays for 5G and Beyond

Message from the Guest Editors

Millimeter-wave (mm-Wave) phased arrays have rapidly advanced from their early radar roots to become a foundational technology in modern wireless systems, particularly 5G and beyond. The scope of this Special Issue has been consolidated into the following topics:

- 5G Wireless Networks and Spectrum Considerations
- Advanced mm-Wave Antenna Design: Phased Arrays, Beamforming, and Software-Defined Systems
- Massive MIMO, Pattern-Reconfigurable Antennas, and Spatial Multiplexing
- Smart Antennas, Adaptive Beamforming, and Interference Management
- Millimeter-Wave Propagation and Channel Modeling in Urban Environments
- mm-Wave Transceiver Circuits, Hybrid Beamforming, and Phase Shifters
- Integrated Circuits, Low-Loss Materials, and Thermal Management for High-Power Arrays
- Fronthaul/Backhaul Solutions and Network Architectures for mm-Wave 5G
- Intelligent Sensors and Software-Defined Controls in Phased Array Systems
- Wireless Power Transfer, Energy Harvesting, and Pattern Recognition

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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.

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