# Special Issue

## Advanced Study in Millimeter-Wave 5G Systems

### Message from the Guest Editors

With rapid developing communication technologies and the fast growth of communication service demands, wireless communication faces many challenges, such as an increased data rate and spectrum efficiency and improved communication quality. Massive multiple-input multiple-output (MIMO) and millimeter-wave technologies provide a new solution. It is the core physical-layer technology of current fifth-generation mobile communication systems (5G) and future wireless communication systems. In this Special Issue, original research articles and reviews are welcome. The research areas may include (but not limited to): (a) Sum-Rate Maximization Algorithm for Millimeter-Wave Hybrid Precoding Communication Systems; (b) Antenna Design for Sub-6GHz and Millimeter Wave; (c) Filtering and Electromagnetic-Transparent Antennas and Dual-Band Aperture-Shared Base Station Antenna Arrays for 5G Applications; (d)The Performance Analysis and Placement Optimization for Multi-RIS-Assisted Millimeter-Wave Positioning; (e) Research on Reconfigurable Intelligent Surface-Assisted Wireless Channel Estimation Algorithm. We look forward to receiving your contributions.

### Guest Editors

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### Deadline for manuscript submissions

closed (15 February 2025)

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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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