

Special Issue

Recent Advances in Microwave Devices: Design, Modeling, Optimization and Application

Message from the Guest Editors

Microwave devices are central to modern communications, radar systems, remote sensing, and numerous other applications. This Special Issue seeks to bring together the latest research, advancements, and practical applications of microwave devices, focusing on the design, optimization, and modeling of both active and passive components. Topics of interest for this Special Issue include, but are not limited to, the following:

- Advanced electromagnetic theory and modeling for microwave devices;
- Innovative design approaches and optimization techniques for microwave components;
- New materials and fabrication technologies for microwave devices;
- Simulation tools and CAD software for the design and analysis of microwave components;
- Performance measurement techniques and methods for characterizing microwave devices under various operational conditions;
- Real-world applications and case studies in communications, sensing, radar, and beyond;
- Passive and active components;
- Antennas and arrays;
- Tunable and reconfigurable devices;
- Microwave, millimeter-wave, and terahertz devices and systems.

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 guest-edited by leading experts in selected topics of interest.

Editor-in-Chief

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