

Special Issue

Recent Advancements in Miniaturized Microwave Sensors and Systems

Message from the Guest Editors

This Special Issue aims to collect and publish studies in the fields of miniaturized microwave sensors and integrated systems, novel modeling technologies and theories related to the microwave properties of materials and devices, original scientific research on their fabrication and performances with experimental and theoretical analysis, and data processing techniques used to characterize the different materials. Potential topics include but are not limited to the following:

- Microfluidic and digital microfluidic RF and microwave devices;
- New fabrication and optimization techniques for miniaturized devices and systems;
- Miniaturized-device-performance studies combining theoretical and experimental aspects;
- Flexible microwave sensors and their properties;
- Wireless microwave devices for sensing;
- Characterization theories of biological and innovative (2D and nano-) materials;
- Mathematical and computational analyses of complex materials;
- System-on-chip design and system approaches for material characterization;
- Emerging, new fabrication materials and techniques for sensing applications.

Guest Editors

Dr. Xiue Bao

Dr. Matteo Bruno Lodi

Prof. Dr. Giovanni Crupi

Deadline for manuscript submissions

closed (15 July 2023)



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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

Prof. Dr. Flavio Canavero

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