

Special Issue

Photonic and Microwave Sensing Developments and Applications

Message from the Guest Editors

Photonic and microwave sensing is an ever-growing research area, which is relevant for a large number of important applicative fields, including medical diagnostics, environmental monitoring, industrial applications, defense, and food safety and security, to name but a few. This Special Issue will collect contributions from scientists working in these fields and in all the pertinent applicative contexts that provide recent advances in Photonic and Microwave sensing, including physical modeling, hardware design, computational methods, signal processing, and experimental verification under realistic conditions.

Topics of interest for this Special Issue include, but are not limited to the following:

- Optical sensors and applications
- Microwave sensors and applications
- Smart materials, receptors, and nanostructure
- Optical and microwave imaging
- Machine learning-based signal processing
- Material characterization
- Biosensors

Guest Editors

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Deadline for manuscript submissions

closed (30 April 2021)



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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.

Editor-in-Chief

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Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.4 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).

