

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

Prof. Dr. Raffaele Solimene

Prof. Dr. Nunzio Cennamo

Dr. Maria Antonia Maisto

Deadline for manuscript submissions

closed (30 April 2021)



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



mdpi.com/si/46663

Electronics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
electronics@mdpi.com

[mdpi.com/journal/
electronics](https://mdpi.com/journal/electronics)





Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



[mdpi.com/journal/
electronics](https://mdpi.com/journal/electronics)



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

Department of Electronics and Telecommunications, Politecnico di
Torino, 10129 Torino, Italy

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), CAPlus /
SciFinder, Inspec, Ei Compendex and other databases.

Journal Rank:

JCR - Q2 (Engineering, Electrical and Electronic) /
CiteScore - Q1 (Electrical and Electronic Engineering)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is
provided to authors approximately 16.8 days after
submission; acceptance to publication is undertaken in 2.4
days (median values for papers published in this journal in
the first half of 2025).