

## Special Issue

# Advances in Microwave Photonics

### Message from the Guest Editors

Microwave photonics is an interdisciplinary field that explores the interactions between microwave and optical signals, which aims to leverage the unique properties of photonics, such as their high speed, broad bandwidth, and low transmission loss, to enable novel solutions in microwave systems. Over the past few decades, microwave photonics has achieved significant progress, enabling a wide range of applications in fields such as radar, sensing, instrumentation, and telecommunications. This Special Issue aims to highlight the latest advancements in microwave photonics. Submissions of both original research papers and review articles are welcome. Technical topics of interest include, but not limited to, the following areas:

- Microwave photonics for sensing and measurement;
- Microwave photonic radar for target sensing;
- High-speed optoelectronic devices for sensing and measurements;
- Optoelectronic oscillators;
- Photonic processing of microwave signals;
- Photonic generation of arbitrary waveforms;
- Integrated microwave photonics;
- Radio over fiber for B5G/6G and IoT;
- THz photonics;
- AI in microwave photonics.

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### Guest Editors

Dr. Chao Wang  
Prof. Dr. Yang Chen  
Prof. Dr. Jiejun Zhang

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### Deadline for manuscript submissions

closed (30 November 2025)



## Sensors

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*Sensors*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sensors@mdpi.com](mailto:sensors@mdpi.com)

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## About the Journal

### Message from the Editor-in-Chief

*Sensors* is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

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### Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro  
Department of Electrical and Information Engineering, Politecnico di Bari, Via Orabona 4, 70126 Bari, Italy

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