



## Advances in Microwave Photonics

Guest Editors:

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**Prof. Dr. Jiejun Zhang**

Deadline for manuscript  
submissions:

**20 February 2025**

### Message from the Guest Editors

Dear Colleagues,

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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## Message from the Editor-in-Chief

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