

Special Issue

Microwave Photonics: Science and Applications

Message from the Guest Editors

Microwave photonics has attracted enhanced attention due to its high bandwidth, low loss, and immunity to electromagnetic interference. Microwave photonic devices are the core functional components of microwave photonic systems, typically consisting of lasers, modulators, detectors, photonic filters and optoelectronic oscillators. This Special Issue, entitled “Microwave Photonics: Science and Applications”, welcomes the submission of theoretical, numerical, and experimental papers that address advances in the field. The scope of this Special Issue includes, but is not limited to, the following topics:

- High-efficiency optoelectronic devices, such as semiconductor laser/modulator/PD, etc;
- Semiconductor Optical Amplifiers (SOAs) with a high output power and low noise figure;
- Optoelectronic oscillator (OEOs)
- Microwave photonic links with a high dynamic range and low noise figure;
- Silicon-based integrated photonic chips or devices;
- Advanced photonic integration packaging technology;
- Modeling and analysis of microwave photonic devices and links

Guest Editors

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About the Journal

Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Photonics* (ISSN 2304-6732). *Photonics* is an online open access journal covering both the fundamental and applications of optics and photonics. *Photonics* strives to provide an avenue to allow authors to disseminate their scientific findings—both theoretical/ simulations and experimental works—in highly accessible peer-reviewed journal publications. The manuscript in *Photonics* will be handled with quick turnaround production processing time. We welcome authors to submit their manuscripts for publications in *Photonics*. Our goal in *Photonics* is to enable fast dissemination of high impact works to the scientific community.

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