Special Issue

Recent Advances in Microwave Photonics Technologies

Message from the Guest Editors

Microwave photonics, as an interdisciplinary area, studies the interaction between microwave and optical signals to achieve to generate, process, control, and transmit microwave signals, taking advantages of high frequency, large bandwidth and low loss offered by modern photonics. This Special Issue aims to bring original research articles and reviews in order to contribute to the developments and applications of microwave photonics techniques. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but not limited to) the following:

- Microwave photonic filters;
- Optoelectronic oscillators;
- Optical frequency combs;
- Photonic generation and processing of microwave and mm-wave signals;
- Photonic true-time delay beamforming for phased array antennas;
- Photonic analog-to-digital conversion;
- Integrated microwave photonics;
- Microwave photonic systems for sensing and communication applications;
- Microwave photonics for radio frequency and microwave systems;
- Novel devices and systems for microwave photonics;
- Novel applications of microwave photonics.

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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.

Editor-in-Chief

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