Special Issue

Microwave Photonics and Applications

Message from the Guest Editor

Microwave Photonics can be defined through the (i) study of photonic devices capable of processing microwave signals and (ii) the application of photonic devices and techniques to microwave systems. The first is related to the general field of optical telecommunications. The second definition is a direct consequence of various high-speed optoelectronic components. The development of microwave photonics techniques grows in parallel with the field of optical communications. This Special Issue, entitled "Microwave Photonics Applications", will focus on theoretical and practical demonstrations that push the frontier of microwave photonics signal processing and its applications. Relevant topics of interest to this Special Issue include, but are not limited to, the following areas:

- microwave photonics
- photonic links and radio over fiber
- optical RF signal processing
- microwave photonics signal generation
- integrated microwave photonics
- microwave photonics devices
- microwave photonics systems
- microwave photonics for optical communications
- microwave photonics applications
- optoelectronics
- materials and techniques for microwave photonics

Guest Editor

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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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