Special Issue

Integrated Microwave Photonics

Message from the Guest Editors

In the past decade, integrated microwave photonics have attracted significant attention due to advances in photonic integration. The ability to combine different integrated material platforms such as silicon, silicon nitride, indium phosphide, and lithium niobate has resulted in chip-scale low-noise microwave generation, millimeter-wave and sub-millimeter wave generation, optical frequency synthesizers, low-loss and high-bandwidth electro-optic modulators, chip-scale signal processing, and so on. This Special Issue will highlight novel optical sources such as narrow linewidth lasers, broadband frequency combs, electro-optic modulators, photodetectors, amplifiers and integrated microwave photonics systems, including signal generation, processing, distribution, and detection. Moreover, this issue will include studies on applications of microwave photonics such as in 5/6G, satellite communication, information processing, imaging, distance metrology, precision frequency metrology, and so on. The purpose of this issue to report and summarize the recent progress on this topic.

Guest Editors

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Deadline for manuscript submissions

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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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