Special Issue

Microwave Photonics: Advances and Applications

Message from the Guest Editors

Microwave photonics, an interdisciplinary field that merges the domains of radio-frequency engineering and photonics, has witnessed remarkable progress over the past few decades. This field has become increasingly vital for applications in 5G/6G wireless communications, radar systems, satellite links, and modern instrumentation. We are pleased to invite you to contribute to this Special Issue, titled “Microwave Photonics: Advances and Applications”, which aims to present the latest developments and emerging trends, address ongoing challenges, and foster interdisciplinary collaboration in this rapidly evolving field. This issue will cover a wide range of topics, including but not limited to high-frequency signal generation, optoelectronic oscillators, photonic filters, microwave photonic sensing, and integrated photonic platforms for RF applications. Contributions may include original research articles, comprehensive reviews, or application-focused studies that advance the understanding and implementation of microwave photonic technologies. We look forward to receiving your valuable contributions to this exciting initiative.

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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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