Special Issue

Microwave Photonics II

Message from the Guest Editors

"Microwave photonics" deals with photonics applied to radio frequency systems, as an enabling technology used for the generation, reception, processing and distribution of radio frequency signals before reaching the antenna or after being received from the antenna. Research around the world already demonstrated the huge potential of microwave photonics in radio frequency systems, due to its intrinsic large bandwidth, electro-magnetic interference robustness, low-loss distribution in optical fibers, and low power consumption and footprint if integrated photonics technologies are exploited. Application fields of microwave photonics range from communications (i.e., 6G) and sensing (radar) in all aspects of our life (security, automotive, space, industry, environment monitoring, health, etc.). New materials and technological platforms for photonic integration, new integrated photonic circuits and new microwave photonics systems must be developed in order to fully exploit the potential of microwave photonics and translate it into commercial products.

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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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