Special Issue

Advances and Applications of Optical Frequency Combs

Message from the Guest Editors

The development of optical frequency combs has revolutionized the fields of precision metrology and spectroscopy since their inception at the turn of the 21st century. These unique light sources, characterized by their evenly spaced spectral lines, have enabled unprecedented advances in timekeeping, distance measurement, and the precise characterization of optical transitions. In recent years, new approaches—ranging from microcombs to novel solid-state architectures—have continued to expand the frontiers of this technology. This Special Issue, "Advances and Applications of Optical Frequency Combs", aims to gather the latest and most impactful developments in the field, while offering perspectives on future directions and emerging concepts. We welcome original research articles, reviews, and case studies that present innovative solutions and explore both the fundamental and applied aspects of optical frequency combs. We look forward to receiving your contributions.

Guest Editors

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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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