Special Issue

Fundamentals and Applications of Optical Frequency Combs

Message from the Guest Editors

Optical frequency combs represent a revolutionary technology that allows for precise time and frequency measurement in optics, offering an unprecedented methodology for metrology, spectroscopy and frequency synthesis. The Special Issue “Fundamentals and Applications of Optical Frequency Combs” is concerned with the groundbreaking advances, both in fundamental research and in applications, related to the topic of optical frequency combs. The areas of interest include (but are not limited to):

- New theory and emergent phenomena on mode-locked lasers and microcombs
- Self-referencing and frequency stabilization technique
- Key components and materials for optical frequency comb generation
- Optical frequency comb generation in ultra-violet, visible and mid-infrared
- Electro-optic modulation and frequency conversion
- Applications of optical frequency combs
- Coherent synthesized laser combs

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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