Special Issue

Narrow Linewidth Laser Sources and Their Applications

Message from the Guest Editors

Due to the superior spectral coherence, laser sources with a narrow linewidth have found widespread applications in a range of areas, from fundamental physical research to biomedical diagnosis to military defense. With the development of advanced laser materials, devices and techniques, laser linewidth has been significantly narrowed to a level of mHz in recent years. Narrow-linewidth lasers can now be obtained with almost all prevalent laser techniques. The improved performance of these laser sources, accompanied by their output power, operation wavelength and systematical stability, has attracted sustained attention. This Special Issue invites manuscripts detailing the latest advances in "narrow linewidth laser sources and their applications". Theoretical, numerical and experimental papers are welcome. Topics of interest include, but are not limited to, the following:

- Physics of laser linewidth broadening;
- Narrow-linewidth laser oscillators;
- High-power narrow-linewidth laser amplifiers;
- Novel laser linewidth narrowing techniques;
- Laser linewidth characterization techniques;
- Applications of narrow-linewidth laser sources.

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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