

Special Issue

Advancements in Semiconductor Lasers

Message from the Guest Editors

Semiconductor lasers have been used in many different fields, including communications, healthcare, sensors, defense, display, optical storage devices, printing, industrial system manufacturing, and more. A great deal of exciting research and development is continuing to improve performance and meet the growing demand for semiconductor lasers. The development of new materials extends the laser wavelength from UV to mid-infrared range and improves reliability. Miniaturizing light sources and integrating III/V semiconductor devices onto silicon photonics enhances the functional capabilities of integrated photonic technology. The objectives of this Special Issue are to report the advances in semiconductor lasers. Topics of interest include, but are not limited to:

- Growth and fabrication quantum well/wire/dot/dash materials and devices.
- Mid-infrared to THz emitting sources.
- Miniaturized light sources.
- Integration of III/V semiconductor devices.
- Theory and numerical simulation of semiconductor lasers.
- Laser dynamics and stability of semiconductor lasers.

Guest Editors

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Deadline for manuscript submissions

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About the Journal

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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