Special Issue

Semiconductor Lasers

Message from the Guest Editors

Semiconductor lasers, also known as junction lasers, have become key components of many modern optoelectronic and photonic systems. For example, semiconductor lasers are the most important light sources for optical communication systems, such as long-haul backbone networks, short-reach local area communications, and on-chip or interchip communications. Other applications of semiconductor lasers include molecular spectroscopy, optical radar, high-speed optical recording, optical signal processing, optical microwave sources, pump sources for solid-state lasers, and medical applications. Potential topics include but are not limited to the following:

- High-speed directly or externally modulated lasers
- Multiwavelength laser arrays
- Tunable lasers
- Microcavity lasers
- VCSELs
- Narrow line-width lasers
- Laser simulations
- Mode locked lasers
- Silicon hybrid lasers
- High-power pump lasers
- Highly reliable source lasers
- Packaging and integration of semiconductor lasers

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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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