

# Special Issue

## Recent Progress in Vertical-Cavity Surface-Emitting Lasers (VCSELs)

### Message from the Guest Editors

*Photonics* is pleased to announce a Special Issue dedicated to highlighting recent progress in VCSELs and exploring future directions for the development and applications of these devices. We invite contributions on topics including, but not limited to, the following:

- **Physics and Design of Devices:** Novel structures, materials, and fabrication techniques;
- **Performance Optimization:** Efficiency, bandwidth, beam quality, and power scaling;
- **Emerging Applications:** Automotive LiDAR, optical sensing, and high-speed communications;
- **Advanced Concepts:** Wavelength expansion, oxide-free designs, and hybrid integration.

We welcome original research articles, reviews, and perspectives that advance our understanding and application of VCSEL technology.

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### Guest Editors

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### Deadline for manuscript submissions

30 September 2026



## Photonics

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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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### Editor-in-Chief

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