

## Special Issue

# Advances in Multimode Optical Fibers and Related Technologies

### Message from the Guest Editors

This Special Issue aims to present original state-of-the-art research articles covering the latest developments in Multimode Optical Fibers and Related Technologies. Researchers are invited to submit their contributions. Topics include, but are not limited to, the following:

- 100G/lane and 200G/lane VCSEL transmission over MMFs;
- Bandwidth requirements for high-data-rate MMF transmission;
- High-density multimode fiber bundles for AI-based computing;
- Multimode fibers used in in-vehicle optical networks;
- Density requirements and high-density multimode solutions;
- Advances in next-generation high-speed VCSELS;
- Techno-economic analysis of short-reach interconnect solutions in data centers or AI spaces;
- Encircled flux and launch conditions within VCSEL-multimode fiber systems;
- Mode-division multiplexed transmission over multimode fibers.

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### Guest Editors

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### Deadline for manuscript submissions

20 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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