

# Special Issue

## Organic Light-Emitting Diodes: Lasers, Dynamics, and High-Speed Devices

### Message from the Guest Editors

In this Special Issue, we aim to collect original state-of-the-art research articles that clearly feature this fascinating scenario. Researchers are invited to submit their contributions to this Special Issue on topics that include but are not limited to:

- Lasing in organic semiconductors under electrical excitation;
- Optical and laser dynamics analysis;
- Mechanisms that underly the dynamics and lasing in electrically pumped organic heterostructures;
- Design of high-Q cavities for OLEDs, which are essential to achieve lasing in the visible;
- OLEDs for optical communication and sensing;
- Short-pulse electrical excitation in OLEDs;
- New organic materials for high laser gain;
- Material properties of organic compounds with ultra-short photoluminescence lifetime;
- (Fast) light-emitting organic semiconductors in the near-infrared.

### Guest Editors

Prof. Dr. Alexis Fischer

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### Deadline for manuscript submissions

closed (1 August 2021)



## 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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#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 14.8 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the first half of 2025).