

## Special Issue

# Advancements in Optical Information Processing and Communication Technologies

### Message from the Guest Editors

With the advent of digital transformation, digital economy, and digital society, the fields of optical information processing and communication will face a new round of active periods and important technological changes. At the same time, optical information processing and communication technology will be widely applied in fields such as cloud computing, the Internet of Things, and artificial intelligence. This Special Issue aims to publish papers which study the emerging important technologies in optical information processing and communication. Topics of interest include but are not limited to:

- Optic communication systems and subsystems;
- Advanced optical transmissions and interconnections;
- Photonic signal processing;
- Optical computing for AI acceleration;
- The integration and packaging of optical devices.

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### Guest Editors

Dr. Tao Yang

Dr. Jiabin Cui

Dr. Kunpeng Zhai

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### Deadline for manuscript submissions

31 December 2025



## 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

Prof. Dr. Nelson Tansu

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