# **Special Issue**

### Advances in Photonic– Electronic Integration

### Message from the Guest Editors

Photonic-electronic integration is at the forefront of modern optoelectronic research. The continuous progress in integrated photonics and electronics opens new possibilities for high-performance computing, intelligent sensing, and high-speed and large-capacity data, shaping the future of technology. This Special Issue on "Advances in Photonic-Electronic Integration" welcomes original research and review articles, including but not limited to the following:

- High-speed and large-capacity photonic-electronic integrated chip;
- Photonic-electronic integrated communication technologies;
- Photonic-electronic integrated computing technologies;
- Photonic-electronic integrated sensing technologies;
- Novel optoelectronic devices, systems, and applications.

We invite contributions that address theoretical modeling, device fabrication, system integration, performance optimization, and real-world applications of photonic-electronic integration. We look forward to your high-quality submissions and showcasing the latest breakthroughs in this exciting and rapidly evolving research area.

### **Guest Editors**

Prof. Dr. Tao Zhu Prof. Dr. Yu Yu Dr. Aaron Danner Prof. Dr. Guanyu Chen Dr. Yuanmin Du

### Deadline for manuscript submissions

31 December 2025



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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.

#### Editor-in-Chief

Prof. Dr. Nelson Tansu School of Electrical and Electronic Engineering (EEE), The University of Adelaide, Adelaide, SA 5005, Australia

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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).