Special Issue

Advances in Photonic Integrated Devices and Circuits

Message from the Guest Editors

In this Special Issue, we will discuss advances in key enabling devices and applications for photonics integrated circuits, which includes but is not limited to light source, modulators, passive waveguide devices, fiber-chip interface, detectors, LiDAR chip, sensing chip, computing circuits, etc. This Special Issue plans to focus on representing a broad range of integrated photonic devices, circuits and various applications. We welcome your work in any form, including reviews, articles and communications. Topics of interest include but are not limited to:

- Light sources;
- Integrated modulators and detectors;
- Passive wavelength/polarization controlling devices, multimode devices and waveguides;
- Fiber-chip coupler and antennas;
- Chip-based optical communications;
- Optical phased arrays and chip-based LiDAR;
- Chip-based biosensors, gyroscope, etc.;
- Integrated optical neural network;
- Inverse design in integrated photonics;
- On-chip quantum information.

Guest Editors

Prof. Dr. Ke Xu

Prof. Dr. Zhenzhou Cheng

Dr. Hongyan Fu

Dr. Lei Lei

Deadline for manuscript submissions

closed (15 September 2022)

hv

Photonics

an Open Access Journal by MDPI

Impact Factor 1.9
CiteScore 3.5

mdpi.com/si/93913

Photonics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
photonics@mdpi.com

mdpi.com/journal/photonics

MDPI

Photonics

an Open Access Journal by MDPI

Impact Factor 1.9
CiteScore 3.5

mdpi.com/journal/photonics

MDPI

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

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec, Ei Compendex, CAPlus / SciFinder, and other databases.

Journal Rank:

CiteScore - Q2 (Instrumentation)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the second half of 2025).