Special Issue

Optical Communication, Sensing and Network

Message from the Guest Editors

Optical communication systems must not only further improve capacity and transmission distance, but must also cooperate with fiber optic sensing technology to realize real-time sensing of system working status and further design and optimize the optical network, to the aim of realizing the optimal allocation and efficient use of network resources and improving the efficiency of the entire network. This Special Issue aims to publish papers which study the emerging important technologies in optical communication, sensing and network. Topics of interest include but are not limited to:

- Optical fiber communications;
- Optical fiber sensing technology;
- Optical network design and optimization;
- Optical interconnect and optical access networks;
- Optical wireless communications;
- Optical components, devices and subsystems;
- Digital signal processing and machine learning techniques for optical communication, sensing and network.

Guest Editors

Dr. Tao Yang

State Key Lab of Information Photonics and Optical Communications, Beijing University of Posts and Telecommunications, Beijing 100876, China

Dr. Jiahao Huo

School of Computer and Communication Engineering, University of Science and Technology Beijing, Beijing, China

Deadline for manuscript submissions

closed (15 June 2024)

hv

Photonics

an Open Access Journal by MDPI

Impact Factor 1.9
CiteScore 3.5

mdpi.com/si/162284

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 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).