

Special Issue

Optical Fiber Sensing: Recent Advances and Future Perspectives, 2nd Edition

Message from the Guest Editor

We invite both experimental and theoretical submissions of original articles, review articles, and technical notes that focus on recent advances and future directions in the field of optical fiber sensing. Topics of interest include, but are not limited to, the following:

- Novel sensing devices, components, and/or applications with optical fiber;
- Innovative optical fiber geometry structures, materials, and splicing techniques (such as specialty optical fiber, hollow core fiber, multicore fiber, and photonics crystal fiber);
- Intrinsic/extrinsic modifications to optical fiber (such as fiber Bragg gratings, long period gratings, interferometry, fiber lasers, femtosecond laser inscription, focused ion beam, chemical vapor deposition, metamaterials, and multimerial);
- Advanced spectroscopy, imaging, interrogator techniques with optical fiber;
- Extract insights from optical fiber data with advanced data analysis (such as time series analysis and machine learning);
- Optical fiber integration into optoelectronics or multifunctional devices/systems (such as to increase performance and endurance).

We look forward to receiving your submissions!

Guest Editor

Dr. Jun Long Lim

Institute for Infocomm Research, 1 Fusionopolis Way, #21-01 Connexis, Singapore 138632, Singapore

Deadline for manuscript submissions

30 July 2026



Photonics

an Open Access Journal
by MDPI

Impact Factor 1.9
CiteScore 3.5



mdpi.com/si/221264

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

[mdpi.com/journal/
photonics](https://mdpi.com/journal/photonics)





Photonics

an Open Access Journal
by MDPI

Impact Factor 1.9
CiteScore 3.5



[mdpi.com/journal/
photonics](https://mdpi.com/journal/photonics)



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).