

Special Issue

Advances of Optical Fiber Sensors

Message from the Guest Editor

Optical fiber sensors usually employ fibers as transmission and sensing medium, a large number of sensors can therefore be easily multiplexed due to the large bandwidth of the optical fiber, so that a fiber sensing system is able to collect and transmit an enormous amount of data in a short time. We are pleased to invite you to contribute to our Special Issue "Advances of Optical Fiber Sensors". Original research articles and reviews are welcome. Research areas may include (but not limited to) the following:

- Physical and mechanical sensors;
- Chemical, environmental, biological sensors;
- Pointwise interferometric sensors, like fiber Bragg grating and interferometers;
- Distributed and multiplexed sensing techniques and networks;
- Micro- and nano-structured fiber sensors;
- Sensors-based on polymer optical fiber;
- New structures and materials for optical fiber sensing;
- New signal processing techniques for optical fiber sensors;
- Industrial applications and field tests.

Guest Editor

Dr. Xin Lu

Bundesanstalt für Materialforschung und -prüfung, Unter den Eichen
44-46, 12203 Berlin, Germany

Deadline for manuscript submissions

closed (15 May 2023)



Photonics

an Open Access Journal
by MDPI

Impact Factor 1.9
CiteScore 3.5



mdpi.com/si/143958

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, CAPus / 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).