

Special Issue

Advanced Photonic Sensing and Measurement

Message from the Guest Editors

During the last decade, advances in photonics are increasingly replacing older technologies, allowing for new capabilities in sensing and measurement. These new components lead to the development of a diverse array of new optical and optoelectronic measuring and sensor systems, enabling cutting-edge applications in diverse areas of science and engineering. To further boost the impact of this exciting and rapidly evolving field, this Special Issue intends to bring together contributions from leading experts in the field, fostering effective solutions for the future challenges in photonic sensing and measurement. Topics of this Special Issue include, but are not limited to, the following:

- Optical fiber sensors;
- Biophotonics;
- Optical instrumentation and measurements;
- Photonic devices for sensing and measurements;
- Integrated photonic sensors;
- Interferometers;
- Laser sensors;
- Microwave photonic sensing.

Articles, perspectives, and reviews are all welcome.

Guest Editors

Dr. Yuxi Ruan

Dr. Bin Liu

Dr. Yuanlong Fan

Deadline for manuscript submissions

closed (30 July 2023)



Photonics

an Open Access Journal
by MDPI

Impact Factor 1.9
CiteScore 3.5



mdpi.com/si/138383

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 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).