Special Issue

Recent Research on Optical Sensing and Precision Measurement

Message from the Guest Editors

Advanced optical sensing and precision measurement technologies are the foundation of scientific research. Optics provides an effective method for precision measurement and sensing, and it demonstrates strong advantages in time and space resolution, low-light imaging, quantum sensing, precision spectroscopy, fiber optic sensing, laser gyroscopes, etc. This Special Issue, therefore, will put together original research and review articles on recent advances, technologies, applications, and new challenges in the field of "Recent Research on Optical Sensing and Precision Measurement". Topics include, but are not limited to, the following:

- Optical sensors:
- Remote sensors;
- 3D optical measurement;
- Ladar:
- Optical metrology;
- Interferometry measurement;
- Extreme measurement;
- Spectral imaging;
- New theory and technology of optical imaging and measurement:
- Advanced fabrication technologies for micro/nano optics and photonics, etc.

Guest Editors

Dr. Wenyao Liu

State Key Laboratory of Dynamic Measurement Technology, North University of China, Taiyuan 030051, China

Dr. Chengfeng Xie

School of Measuring and Optical Engineering, Nanchang Hangkong University, Nanchang, China

Deadline for manuscript submissions

10 November 2025



Photonics

an Open Access Journal by MDPI

Impact Factor 1.9 CiteScore 3.5



mdpi.com/si/212881

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

mdpi.com/journal/photonics





Photonics

an Open Access Journal by MDPI

Impact Factor 1.9 CiteScore 3.5



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 peerreviewed 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).

