photonics

an Open Access Journal by MDPI

IMPACT FACTOR 1.9

CITESCORE 3.5

Micro-Nano Optics and High-End Measurement Instruments

Guest Editors:

Prof. Dr. Zhengang Lu
School of Instrumentation Science and Engineering, Harbin Institute of Technology, Harbin 150080, China

Prof. Dr. Pengcheng Hu
School of Instrumentation Science and Engineering, Harbin Institute of Technology, Harbin 150080, China

Prof. Dr. Shuming Yang
School of Mechanical Engineering, Xi'an Jiaotong University, Xi'an, China

Deadline for manuscript submissions:
closed (30 September 2022)

Message from the Guest Editors

Micro–nano optics generally refers to the introduction of micro- and nano-optical structures into related materials to create new optical functional devices. The structure design and fabrication is a key issue in the development of micro–nano optics. It can realize many new functions on the basis of local electromagnetic interaction of micro- and nano-optical structures. It has played a significant role in many fields, such as optical communication, optical interconnection, optical storage, semiconductor devices, and so on.

This Special Issue aims to present original state-of-the-art research articles focused on the design, manufacture, and application of micro–nano-optical devices, as well as the development and application of high-end measurement instruments related to micro–nano manufacturing. Topics include but are not limited to:

- Nanotechnology and nanostructures in optics
- Metamaterials in optics or microwave
- Nanophotonics
- Micro- and nano-measurement technology
- Laser measurement technology and instruments
- Modern optical technology and instruments for precision and ultraprecision measurement
- 3D nanostructure measurement

mdpi.com/si/111424

photonics

IMPACT FACTOR 1.9

CITESCORE 3.5

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Nelson Tansu
School of Electrical and Electronic Engineering (EEE), The University of Adelaide, Adelaide, SA 5005, Australia

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), Inspec, Ei Compendex, CAPlus / SciFinder, and other databases.
Journal Rank: CiteScore - Q2 (Instrumentation)

Contact Us

Photonics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/photonics
photonics@mdpi.com
𝕏@Photonics_MDPI