Special Issue

Optical Imaging Innovations and Applications

Message from the Guest Editors

The aim of this Special Issue is to provide a novel optical imaging platform for updated optical image innovations and applications. Recent advancements have witnessed rapid progress in direct optical imaging and indirect optical imaging, which is the main theme of the present Special Issue. Coded aperture imaging, synthesized optical aperture imaging, interference, interferenceless or correlation imaging, computational imaging, holographic imaging, bio-inspired imaging, three-dimensional imaging, and quantum and ghost imaging are among the relevant topics of this Special Issue as well. Artificial Intelligence is an important tool for optical imaging and is a popular research theme in this area of study. Studies on conventional super-resolution imaging, including STED, PALM, STORM, and near-field imaging, may be considered, though we specifically encourage papers in the field of super-resolution imaging with large distances, in remote sensing and for astronomy. Special attention will be given to papers with synthesized apertures to break the imaging resolution limit. We encourage the submission of papers on the topic of novel and emerging new imaging technologies.

Guest Editors

Prof. Dr. Jianying Zhou

State Key Laboratory of Optoelectronic Materials and Technology, School of Physics, Sun Yat-sen University, Guangzhou, China

Prof. Dr. Joseph Rosen

School of Electrical and Computer Engineering, Ben-Gurion University of the Negev, P.O.Box 653, Beer-Sheva 8410501, Israel

Deadline for manuscript submissions

20 August 2025

hv

Photonics

an Open Access Journal by MDPI

Impact Factor 1.9
CiteScore 3.5

mdpi.com/si/213265

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

mdpi.com/journal/photonics

MDPI

Photonics

an Open Access Journal by MDPI

Impact Factor 1.9
CiteScore 3.5

mdpi.com/journal/photonics

MDPI

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).