

Special Issue

State-of-the-Art Optical Inspection Technology

Message from the Guest Editors

This Special Issue intends to provide a timely opportunity for scientists and researchers, as well as engineers, to discuss and summarize the latest inspection methods in industrial applications. We invite papers that include, but are not exclusive to, the following topics: defect inspection; machine learning; hyperspectral imaging algorithms; image super-resolution; machine vision; image synthesis methods; illumination design; optical design; image fusion; non-destructive testing and evaluation; precision measurements and metrology; freeform design; manufacturing technology; precision machining; precision polishing; additive manufacturing. Both theoretical and experimental studies are welcome, as are comprehensive reviews and survey papers.

Guest Editors

Dr. Xing Peng

Dr. Xiang Sun

Prof. Dr. Lingbao Kong

Deadline for manuscript submissions

closed (29 February 2024)



Photonics

an Open Access Journal
by MDPI

Impact Factor 1.9
CiteScore 3.5



mdpi.com/si/156996

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 15 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the second half of 2025).