

# Special Issue

## Adaptive Optics: Recent Technological Breakthroughs and Applications

### Message from the Guest Editors

Adaptive Optics techniques and applications have gone way beyond the correction of the Earth's turbulent atmosphere and are now in use in a wide variety of applications, from medicine to industry, from underwater imaging to Free Space Laser

Communications. We are pleased to invite you to submit manuscripts for the upcoming special issue of the Photonics journal on Adaptive Optics. This Special Issue aims to publish papers on all aspects of Adaptive Optics. The special issue will focus, but won't be limited to:

- Wavefront Sensing
- Novel Adaptive Optics systems
- Algorithms
- Closed loop performance enhancers
- In this Special Issue, original research articles and reviews are welcome.

We look forward to receiving your contributions

---

### Guest Editors

Dr. Sergio Restaino

Naval Research Laboratory, Washington, DC 20375, USA

Dr. Freddie Santiago

US Naval Research Laboratory, Washington, DC 20375, USA

---

### Deadline for manuscript submissions

31 July 2025



## Photonics

---

an Open Access Journal  
by MDPI

---

Impact Factor 1.9  
CiteScore 3.5



[mdpi.com/si/226129](https://mdpi.com/si/226129)

*Photonics*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[photonics@mdpi.com](mailto: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, CAPus / 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).