

Special Issue

Advances in Free-Space Optical Communications

Message from the Guest Editors

Free space optical communication (FSOC) has been successfully demonstrated on the satellites, aircrafts, ships and vehicles, which is considered a promising solution for next-generation wireless communications. However, enormous scientific and technological challenges for FSOC still remain, such as reliable communication in the random media, robust tracking in the dynamics condition, novel architecture for FSOC network, and so on. Therefore, we are thrilled to introduce Special Issue: Advances in Free-Space Optical Communications. It serves as a platform for scholars and experts to exchange ideas, share breakthroughs, and establish cooperation to promote the FSOC cutting-edge technology. The scope of this Special Issue spans a wide horizon, including but not limited to the following facets

- free space optical communication
- acquisition, tracking and pointing
- laser propagation
- adaptive optics
- free space optical network

Guest Editors

Dr. Dagang Jiang

School of Astronautics and Aeronautics, University of Electronic Science and Technology of China, Chengdu 611731, China

Dr. Jian Huang

School of Astronautics and Aeronautics, University of Electronic Science and Technology of China, Chengdu 611731, China

Deadline for manuscript submissions

15 June 2026



Photonics

an Open Access Journal
by MDPI

Impact Factor 1.9
CiteScore 3.5



mdpi.com/si/213259

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).