

Special Issue

Adaptive Optics Imaging: Science and Applications

Message from the Guest Editors

Adaptive optics (AO) is an area of interdisciplinary study integrating the technology of light, machine, electricity, heat, computer, control and other subjects. We are delighted to announce a call for papers for our upcoming Special Issue on “Adaptive Optics Imaging: Science and Applications” in *Photonics*. This issue aims to explore recent developments, current practices, and future trends in adaptive optics and its related fields. Adaptive optics systems and components have now reached a level of sophistication and simplicity that extends beyond traditional astronomical applications. They are being increasingly utilized in a wide range of areas, including biology, medicine, manufacturing, communications, ophthalmology, vision science, microscopy, high-energy beam control, and more. These advancements have opened up numerous exciting possibilities. Notably, adaptive optics has found significant applications in domains such as laser communication systems, microscopy, and retinal imaging systems.

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Deadline for manuscript submissions

closed (15 July 2025)



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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.

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