Special Issue

Challenges and Future Directions in Adaptive Optics Technology

Message from the Guest Editors

We are excited to announce a call for papers for our upcoming Special Issue “Challenges and Future Directions in Adaptive Optics Technology” in *Photonics*. This is a platform used to explore the recent developments, current practices, and future trends in adaptive optics and related fields. Adaptive optics systems and components have achieved a level of sophistication and simplicity that goes beyond the traditional applications in astronomy and into multiple developments, including biology, medicine, manufacturing, communications, ophthalmology, vision science, microscopy, high-energy beam control, and so on. These developments introduce many exciting possibilities. One distinctive tool is AI-powered adaptive optics technology. However, with various communities pursuing different applications of AO and its novel methods, this technology will face many challenges from technical and engineering aspects.

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Deadline for manuscript submissions

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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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