Special Issue

Adaptive Optics in Astronomy

Message from the Guest Editors

In recent years, adaptive optics (AO) technology has witnessed continuous advancements and breakthroughs, leading to broad applications across diverse scientific fields. Astronomy stands for not only one of the earliest application fields, but also one of the most important fields of AO and one that is still worth focusing on for AO researchers. Just as the development of adaptive optics technology over the past few decades, the continuous progress of adaptive optics technology in the field of astronomy has promoted the development of the discipline of adaptive optics and its wide application in other fields. In this Special Issue, we aim to highlight recent advances in the wavefront sensing, wavefront corrector, controlling algorithm, WFS-less adaptive optics system, and applications of adaptive optics in Astronomy, which will motivate the research of adaptive optics and its application in more astronomical fields. We welcome original research articles, comprehensive reviews, and case studies from researchers, academicians, and engineers who are interested in submitting to this Special Issue.

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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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