



Adaptive Optics Imaging: Science and Applications

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Message from the Guest Editors

Dear Colleagues,

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.

