

Special Issue

Optical System Design: From Fundamentals to Advanced Applications

Message from the Guest Editors

We are pleased to invite you to contribute to this Special Issue, which will serve as a platform to exchange innovative ideas, share the latest research findings, and foster collaboration among experts in optical design and photonics. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but not limited to) the following: AI-driven optical system design; metasurface-based optical system design; integrated optical system design; high-precision imaging optical system design; free-form optical design and manufacturing integration; multi-physics collaborative optimization for optical systems; and novel optical material applications in system design. Original research articles, comprehensive review papers, and forward-looking perspective articles are all welcome. We believe this Special Issue will serve as a platform for academic exchange, promote the industrial translation of innovative design technologies, and further advance the development of global optical system design.

Guest Editors

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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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