

Special Issue

Advancements in Digital Holography: Challenges and Opportunities

Message from the Guest Editors

Digital holography (DH) has emerged as a groundbreaking technique in the field of optical imaging, offering unparalleled capabilities in capturing and reconstructing three-dimensional information, which enables the precise recording of light wavefronts.

Recent advancements in DH have opened up new avenues for research and application. These advancements span across various domains including biomedical imaging, material science, optical metrology, and environmental monitoring. This Special Issue aims to showcase the latest research and developments in DH, highlighting both theoretical advancements and practical implementations. We invite contributions that explore novel methodologies, cutting-edge applications, and interdisciplinary approaches that push the boundaries of what DH can achieve. We believe that this Special Issue will provide a comprehensive overview of the current state of DH, inspire future research, and foster collaboration across different scientific disciplines. We look forward to receiving your valuable contributions and to the fruitful discussions that they will engender.

Guest Editors

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Deadline for manuscript submissions

closed (30 March 2025)



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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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