

Special Issue

Advances and Application of Imaging on Digital Holography

Message from the Guest Editors

There has been increasingly intense scientific interest in digital holography as a new modality for general imaging applications. As a result, digital holography can acquire holograms rapidly, obtain complete amplitude and phase information, and provide versatility of the interferometric and image processing techniques. All these advantages make digital holography a very powerful modality for imaging applications, from morphology measurement to emerging fields, such as biomedical imaging, micro-nano industrial detection, and precision instrument detection. This Special Issue includes, but is not limited to:

- Digital holographic microscopy, reconstruction, tomography, biomedical applications, material applications, polarization imaging
- Digital holographic imaging through scattering media; image encryption; sound field imaging;
- Deep learning for digital holography, and Emerging applications;
- Measurement and industrial detection applications;
- Multimodal imaging based on digital holography;
- Incoherent digital and Compressive holography;
- Digital holography-based near/far field imaging;
- Digital holography in LIDAR;
- Quantitative phase imaging;

Guest Editors

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Deadline for manuscript submissions

closed (10 December 2022)



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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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