



Recent Advances in Digital Holography and Its Applications

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Message from the Guest Editors

Digital holography has revolutionized traditional analogic holography and has been the subject of a vast amount of work in the past decades, paving the way towards a large spectrum of applications; although the numerous technological issues have long made it synonymous with long term research, we are now reaching a turning point where digital holography is about to realize its promises of deployment in several aspects of everyday life; advances in terms of displays are today meeting the imaging requirements of the metaverse, and neural networks provide new approaches to problems until they are considered untractable.

In this rapidly evolving context, the goal of this Special Issue is to share the latest research in the various topics of digital holography, including (but not limited to):

- Holographic optical elements;
- Computer generated holograms;
- Phase processing;
- Holographic microscopy and tomography.

Both theoretical and practical works will be welcome, as well as comprehensive reviews.





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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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