Digital Holography: Novel Techniques and Its Applications

Guest Editor:

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Deadline for manuscript submissions:
closed (20 August 2023)

Message from the Guest Editor

The articles describing original research showing cutting-edge results in modern technologies are welcome for submission.. The list of considered topics contains (but is not limited to) methods, tools and algorithms of digital holography aimed at various scientific and technical tasks:

- Sources, receivers (including large aperture receivers) and optical hologram recording schemes
- Methods and algorithms for digital hologram recording, information retrieval and processing, reconstruction and processing of holographic images
- Methods and means for evaluating and improving the quality of reconstructed holographic images
- Methods and means of automation with regard to digital hologram recording and processing
- Methods and means of hologram compression, transmission and decompression

Besides, analytical reviews on the above scope of topics are welcome.

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Special Issue

Editor-in-Chief

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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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