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Incoherent Digital Holography

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Deadline for manuscript submissions:
closed (31 July 2020)

Message from the Guest Editors

Dear Colleagues,

The research on incoherent digital holography (IDH) has been renewed recently with novel possibilities due to the advancements in devices, techniques, and algorithms. These innovations enable the use of IDH for various applications in 3D imaging, inspection, security, microscopy, metrology, profilometry, augmented reality, and spectroscopy.

The Special Issue on “Incoherent Digital Holography” is focused on the recent progresses in the field and covers, but is not limited to, the following topics: self-interference holography, optical scanning holography, multiple-view projection methods, 3D imaging and display, coded aperture holography, microscopy, tomography, quantitative phase imaging, computer-generated holography, transport of intensity, temporal incoherent holography, partial coherent holography, deep learning in digital holography, polarization holography, and compressive holography. We welcome original papers which report on new research findings as well as succinct review papers on IDH.

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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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