

Special Issue

Imaging, Sensing and Applications in Digital Holographic Microscopy

Message from the Guest Editors

This Special Feature calls for innovative and original contributions in developing imaging, sensing, reconstruction approaches, and applications that show the applicability of DHM technology in biomedical and material science research. Topics of interest include, but are not limited to, the following:

- Development and performance of new DHM imaging systems.
- Development and performance of novel three-dimensional DHM imaging sensing systems.
- Investigation of DHM systems applied to biological and material science research.
- Development of polarization-sensitive DHM systems.
- Development of miniaturized DHM devices for point-of-care diagnosis.
- Development and performance of new computational imaging approaches, for instance, compressive sensing and machine learning techniques, including different and adapted versions of deep neural network (DNN) strategies.

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Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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