



Optical Imaging Innovations and Applications

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Message from the Guest Editors

The aim of this Special Issue is to provide a novel optical imaging platform for updated optical image innovations and applications. Recent advancements have witnessed rapid progress in direct optical imaging and indirect optical imaging, which is the main theme of the present Special Issue. Coded aperture imaging, synthesized optical aperture imaging, interference, interferenceless or correlation imaging, computational imaging, holographic imaging, bio-inspired imaging, three-dimensional imaging, and quantum and ghost imaging are among the relevant topics of this Special Issue as well. Artificial Intelligence is an important tool for optical imaging and is a popular research theme in this area of study. Studies on conventional super-resolution imaging, including STED, PALM, STORM, and near-field imaging, may be considered, though we specifically encourage papers in the field of super-resolution imaging with large distances, in remote sensing and for astronomy. Special attention will be given to papers with synthesized apertures to break the imaging resolution limit. We encourage the submission of papers on the topic of novel and emerging new imaging technologies.

