

Special Issue

Image Processing in Soft Condensed Matter

Message from the Guest Editor

Soft condensed matter consists of mesoscopic particles that are significantly larger than atoms, but much smaller than the overall system. Due to their spatial and temporal scales, these individual constituents are often visible using suitable experimental techniques such as confocal microscopes, and their locations and dynamics can be studied. Examples of soft matter systems are granular systems, colloids, complex plasmas, and foams. All these diverse systems are united by common techniques and challenges in image processing. The intent of the Special Issue on “Image Processing in Soft Condensed Matter” is to bring together specialists from various soft matter fields to present imaging processing techniques covering topics such as particle imaging velocimetry (PIV), particle tracking velocimetry (PTV), stereoscopic imaging, 3D visualization, and machine learning techniques for image processing. We are looking for review articles presenting the state-of-the-art of commonly-used techniques, as well as novel contributions.

Guest Editor

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Deadline for manuscript submissions

closed (15 January 2019)



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About the Journal

Message from the Editor-in-Chief

The imaging term, specific with journal, is to be considered in its broadest sense. Image processing, image understanding and computer vision are all terms related to imaging acquisition, its processing and the extraction of relevant information from the scene to obtain the underlying knowledge. All tasks related to the above items are oriented toward specific applications in a broad range of areas and topics. The *Journal of Imaging* is conceived as an efficient vehicle in the scientific community for the communication and transmission of the progress and research results in the topics covered.

Editor-in-Chief

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