



Neutron Imaging

Guest Editor:

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Message from the Guest Editor

The field of neutron imaging is rapidly developing multimodal and multiscale methods. This development is spurred by advances in detector technology, facile microfabrication of neutron optical components, ability to analyze large image data sets, and the merging and adoption of methods from other disciplines. These new methods are able to uniquely interrogate samples thanks to the penetrating power of thermal and cold neutrons. With the ability to readily transmit several centimeters of many common metals, neutron imaging methods reveal buried and bulk structures or study materials within sample environments, such as pressure vessels, furnaces, magnets, and cryostats. The intent of the “Neutron Imaging” Special Issue is to present a snap shot of the field’s development by covering a range of topics that includes method development and applications in the areas: imaging detectors and instrumentation; bragg edge imaging and diffractive contrast tomography; neutron phase and dark-field imaging; magnetic contrast imaging; energy selective methods; tomography and multimodal imaging.





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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.

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