Special Issue

Computer-Assisted Image Processing for Materials Characterization

Message from the Guest Editor

It is our honor to present this Special Issue, entitled "Computer-Assisted Image Processing for Material Characterization." This Special Issue will address the application of machine learning in order to assist optical and other inspection methods for the further analysis of material properties. Some potential topics include automated optical inspection, 3D optical inspection, applications of deep learning and machine learning in optical systems, and more. The aim is to develop intelligent and visual inspection techniques that can be employed to explore material properties that could not be detected using conventional methods in the past. These will be available in the foreseeable future for industrial or biomedical applications, aiming to advance academic and industrial development.

Guest Editor

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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