Special Issue

Micro/Nanomechanics: From Theory to Application

Message from the Guest Editors

The Special Issue focuses on the newest technologies in micro-/nano-mechanics for the experimental measurement and theoretical calculation of, not only mechanical properties, but also electrical and thermal properties. In addition, applications focused on the following topics will be considered for inclusion: micro-electromechanical systems (MEMS), nano-electromechanical systems (NEMS), microsensors, smart devices, and electronic devices. The continued growth and challenge of science technologies in all industrial fields fundamentally support life through energy saving, the improvement of global environments, and securing safety. Particularly, the dominating general properties of any devices and materials, micro-/nano-mechanics, and material characteristics fascinate us. Original papers are solicited in order to aid and promote our understanding of these subjects. We are especially interested in, but are not limited to, the following topics: mechanical properties, thermal properties, electric properties, experimental method, testing, MEMS/NEMS devices, and related functional materials. Articles and reviews dealing with the above keywords are very welcome.

Guest Editors

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Deadline for manuscript submissions

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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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