



ASCE JOURNAL OF NANOMECHANICS AND MICROMECHANICS

Call for Papers

Special Issue on: Mechanics of Nanocomposites and Nanostructures



The development of nanocomposites and nanostructures opens the possibility for new materials with remarkable properties in comparison with the classical engineered materials. The delivery, monitoring, behavior and control of nanostructures are important issues in the design of the next generation of structural materials. These materials have found applications in different engineering fields such as nanotechnology, coatings, interfaces, energy, mechanical devices, and biomaterials.

This special issue aims to assemble reviews and reports of the latest cross-disciplinary advances in experimental, theoretical and computational studies related to mechanics of materials at nanoscale. The issue will cover interdisciplinary research areas of material science, engineering, and physics. Original research articles and reviews are welcome.

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Potential topics include, but are not limited to, the following:

- Computational modeling of nanomaterials
- Multi-scale mechanics of nanomaterials and nanobiomaterials
- Nanomechanical properties of multi-functional composites
- Experimental and computational characterization techniques for nanocomposites
- Mechanics of smart nanocomposites

Guest Editors for Special Issue:

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All manuscript submissions to this special issue will be subjected to a strict peer review process to ensure the highest standards of quality.

Manuscript submission:

- Manuscripts must be prepared according to the Journal's guidelines, available at: [Guidelines](#).
- Submit your manuscript electronically to: [JNM - manuscript](#).
- Please indicate in your submission cover letter the title of the special issue and the names of the guest editors.

Important Dates:

Manuscript Due: **December 15, 2012**

Author Notification: February 15, 2013

Publication Date: 2013