

Journal of Nanoengineering and Nanomanufacturing
(JNAN) (<http://www.aspbs.com/jnan>)

A Special Issue on
“Nanostructure Self-Assembly”

Call for Papers

Self-assembly is ubiquitous in nature, and there is great interest in learning how to control both static and dynamic self-assembly of nanostructures. Self-assembly is of particular interest for nanofabrication as an economical alternative or as a complement to lithography and will facilitate the synthesis of complex, three-dimensional structures. The aim of this special issue of the Journal of Nanoengineering and Nanomanufacturing is to summarize the current state of understanding of nanostructure self-assembly, to give an overview of current research, and to identify future directions and challenges in the field. Papers on both experimental and theoretical studies are solicited. Contributions as original research papers, communications, and comprehensive reviews to this special issue are invited. Specific topics for this special issue include, but are not limited to, the following research topics:

- Methods for self-assembly of nanoparticles, nanowires, and nanosheets
- Functional materials based on self-assembled nanostructures
- Characterization and properties of self-assembled nanomaterials
- Chemically-, biologically-, and field-directed self-assembly
- Biomimetic self-assembly
- Hierarchical self-assembly
- Dynamic self-assembly
- Self-assembled nanocomposites or mesoporous materials
- Templated or confined self-assembly
- Comparative studies of nanostructuring via conventional and self-assembly techniques
- Integration of nanostructure self-assembly in nanomanufacturing

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Manuscript Submission:

Manuscripts must be prepared according to Journal's guidelines, available at <http://www.aspbs.com/jnan>. Submit your manuscripts in MS word or PDF format directly to one of the Guest Editors. All papers submitted to this issue will be subject to a strict peer review process to ensure high quality articles. Please make sure in the cover letter that the submitted paper has not been published previously and is not currently submitted for review to any other journal and will not be submitted elsewhere before a decision is made by this journal. Please notify well in advance for your intention to submit a research paper.

KEY TIMETABLE DATES

Manuscript due: April 30, 2012

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