

ISOPE-2010

## CALL FOR PAPERS

The 20<sup>th</sup> International Offshore and Polar Engineering Conference  
Beijing, China, June 20-26, 2010

### Nanostructured Materials Symposium

Nanomaterials and nanocomposites have been identified as key materials technologies which have the potential to provide unprecedented functionality to engineering materials for a wide range of applications. This new class of materials is now being introduced in structural and functional applications, such as wear and corrosion resistance, pipe engineering, naval and offshore structures, among others. The progress in structural and functional applications hinges on the development of new fabrication and processing technologies, along with advances in fundamental understanding of relationships between structure and properties at the nanoscale. The focus of this Symposium is to present current multidisciplinary research on nanostructured materials and nanotechnologies for structural and functional applications with the primary focus of reinforcing the relationship between basic science and engineering at the nanoscale level. The Symposium envisions to addressing phenomena in bulk materials, as well as films, coatings and nanocomposites. Particular emphasis is placed on processing methodologies, fabrication technologies, characterization of nanomaterials and their applications in engineering.

#### **Suggested Technical Topics:**

- Fabrication and Processing of Nanostructured Materials
- Nanostructured Coatings, Films and Composites
- Mechanical Behavior of Nanostructured Materials
- Nanostructured Materials for Optical, Magnetic and Electrical Applications
- Nanostructured Materials for Biomedical and Biological Applications
- Nanostructured Materials for Energy Applications
- Advances in Experimental Techniques for Nanostructured Materials
- Advances in Computational Techniques and Theory in Nanostructured Materials

#### **Symposium Organizing Committee:**

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#### **Key Dates:**

- Abstracts Due: *January 18, 2010*
- Manuscript for Review: *Feb. 15, 2010*
- Final Papers Due: *March 24, 2010*

**E-mail your abstracts** to one of the organizing committee members above or [meetings@isope.org](mailto:meetings@isope.org). Please identify the contact author's address, telephone and fax numbers, and e-mail address in the abstracts.