

ISOPE-2007

CALL FOR PAPERS

The 17th International Offshore and Polar Engineering Conference
Lisbon, Portugal, July 1-6, 2007

Symposium on Nanomaterials for Structural Applications

About a decade of research has shown that nanostructured materials and technologies have the potential to significantly impact growth at every level of the world economy in the 21st century. This new class of materials is now being introduced in structural applications, such as wear resistance, pipe engineering, naval and offshore structures, plastic forming, and other load bearing applications. Progress in a wide range of structural applications for nanomaterials crucially depends on the development of new fabrication and processing technologies, along with a fundamental understanding of the relationship between the structure and properties. The focus of this Symposium is to present current multidisciplinary research on nanostructured materials and nanotechnologies for structural applications with the primary focus of reinforcing the relationship between basic science and engineering at the nanoscale level. The Symposium aims to cover bulk materials, as well as films, coatings and nanocomposites. Particular emphasis is placed on work on processing, fabrication and applications of nanomaterials.

Suggested Technical Topics:

- Fabrication and processing
- Nanostructured coatings
- Plastic deformation
- Fracture of nanostructured materials
- Fracture and fatigue
- Innovative structural applications
- Nanocomposites
- Design of nanomaterials for Naval, Offshore and Polar Engineering Structures

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Key Dates:

- Abstracts Due: **November 17, 2006**
- Manuscript for Review: **Jan. 15, 2007**
- Final Papers Due: **March 24, 2007**

E-mail your abstracts to one of the organizing committee members above or submit online www.isope.org:
Primary topic as nanomaterials Please identify the contact author's address, telephone and fax numbers, and e-mail address in the abstracts.