



Announcement and Call for Abstracts

Recent Advances in Computational Study of Nanostructures

This minisymposium will focus on the application and development of computational models and methods to study and elucidate the behavior and properties of nanomaterials (nanowires, nanotubes, thin films, nanocrystalline materials, biological materials, polymers, etc). Topics of interest will include, but are not limited to: (1) Computational models and methods that enable multiphysics modeling of nanomaterials, such as coupling mechanical deformation to electrical, thermal or optical properties. (2) Deformation and fracture mechanisms in single and polycrystalline nanomaterials. (3) Interactions of nanostructures, such as adhesion, tribology and energy dissipation. (4) Advances in spatial and temporal multiscale computational methods. (5) Size and surface effects on the behavior and properties of nanomaterials. (6) Deformation and failure mechanisms in soft/amorphous/non-crystalline materials.

Abstracts by March 3, 2008

Please submit abstracts online at:

<http://www.asmeconferences.org/Congress08/Author/NewAbstract.cfm>

Abstracts should be submitted to:

**Track 12 Micro and Nano System Design and Manufacturing
12-3 Recent Advances in Computational Study of Nanostructures**

For questions, please contact one of the organizers:

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