

USNCTAM 2010 Minisymposium: Mechanics of Crystalline Nanostructures

June 27-July 2, 2010

State College, Pennsylvania (Penn State University)

Minisymposium Organizers:

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This minisymposium will focus on the development and application of both experimental techniques and computational models and methods to study and elucidate the mechanical behavior and properties of crystalline nanostructures (nanowires, thin films, carbon nanotubes and graphene). Topics of interest will include, but are not limited to: (1) Deformation and fracture mechanisms in crystalline nanostructures. (2) Interactions of nanostructures, such as adhesion, tribology and energy dissipation. (3) Experimental and computational studies of size and surface effects on both the elastic and inelastic behavior and properties of crystalline nanostructures. (4) Development and application of atomistic and multiscale models for crystalline nanostructures.

Registration Information:

Please submit an abstract to Technical Track 4-4: “Mechanics of Crystalline Nanostructures” at the following website:

<http://www.conferencetoolbox.org/USNCTAM2010/Author/NewAbstract.cfm>