



Position Opening: Post-Doctoral Position in Nanomechanics of Materials Northwestern University

Description

Applications are invited for a postdoctoral position within the Micro and Nano Mechanics Laboratory in the Department of Mechanical Engineering at Northwestern University. The candidate will perform research in the area of nanomechanics of high-performance materials such as 2D materials, bio-inspired and metamaterials. The candidate will be expected to contribute to a vibrant multidisciplinary research group and closely collaborate with groups at other university within a Multidisciplinary University Research Initiative (MURI) project on bio-inspired materials.

Requirements:

1. A Ph.D. in Mechanical Engineering, Materials Science and Engineering, Physics, or related field.
2. Experience with a minimum of two of the following:
 - Multiscale experimental mechanics of materials
 - In situ microscopy experimental characterization
 - Mechanics of composite materials, including biomaterials or biomimetic materials
 - Characterization and mechanics of functionalized carbon-based materials
 - Characterization of mechanical properties of 1D or 2D materials
3. A good record of publications
4. Strong verbal and written communication skills.
5. Current eligibility to work in the US (i.e., must have OPT or green card).

Why this is a great opportunity:

- Great experience in a top US university with world renowned mechanics group
- Interaction with leading Nanotechnology researchers at Northwestern's International Institute for Nanotechnology and Argonne National Laboratory
- First class working environment and facilities
- Many cultural and recreational activities in the university and Chicago area.

To apply: Interested candidates should email a CV (including list of publications), cover letter describing research experience and interests, and the names and email addresses of three references to Professor Horacio Espinosa at espinosa@northwestern.edu.

<http://clifton.mech.northwestern.edu/~espinosa/>

Northwestern University is an equal opportunity, affirmative action educator and employer.