

Open Positions in Multiscale Modeling of Materials at
New Jersey Institute of Technology, Newark, NJ, USA

Our group in the Department of Mechanical and Industrial Engineering at New Jersey Institute of Technology (NJIT) is working on a range of problems, involving mechanics and physics of 2D materials, soft materials and biological systems. We employ methods of continuum mechanics, mathematics, statistical physics and atomistic simulations to explore the mechanics of 2D materials, electromechanical coupling in soft materials, as well as physical mechanisms underlying the interface of nanomaterials and biology. Those with strong background in solid mechanics, physics or mathematics are encouraged to apply.

Ph.D. Position

We have opening for a full-funded Ph.D. student, starting in Spring 2024. We welcome self-motivated students with backgrounds in solid mechanics, mathematics, physics or closely related fields with M.Sc. degree and strong background in theoretical modeling. The ideal candidate should have experience with continuum mechanics and numerical algorithms such as finite element method. If you are interested, please contact me at Fatemeh.ahmadpoor@njit.edu with your most recent CV.

NJIT is at among the top 100 "Best Graduate Engineering Schools" (per U.S. News & World Report). It offers a vibrant engineering community environment and exciting opportunities for research and education. Interdisciplinary centers and institutes across the campus (<http://centers.njit.edu/>) provide access to comprehensive, state-of-the-art core facilities and facilitate collaborative research activities. Universities, research institutes and industrial facilities at the vicinity of NJIT further increase collaboration opportunities and access to experimental equipment. NJIT is located in the vibrant University Heights district of downtown Newark, just 20 minutes from Manhattan, NY by train.

