

One postdoc position is available in professor Abdolrahim's group in the department of mechanical engineering at University of Rochester (<http://acmml.com/>).

The primary research would be in the area of computational simulations and multiscale modeling of nanoscale metallic materials. The postdoctoral associate is expected to use and develop atomistic simulations and continuum models to investigate the surface and interface effects on mechanical properties and chemical activity of nanoparticles. Candidates must possess a Ph.D. in Mechanical Engineering, Materials science, Physics or a related field. It is strongly desirable for the candidate to have experience in continuum mechanics, crystal plasticity, molecular dynamics simulation (experience in using reactive force field methods is a plus) and finite elements methods.

Interested candidates should send a single PDF file containing CV, brief statement of research experiences and interests, and a list of three references to Prof. Niaz Abdolrahim: niaz@rochester.edu.