



COMPUTATIONAL MATERIALS AND MECHANICS GROUP (CMMG)
UNIVERSITY OF CONNECTICUT
<http://dongare.group.uconn.edu/>

Postdoctoral Position

MODELING OF MECHANICS OF POLYMER MATRIX COMPOSITES AT ATOMIC SCALES

The Computational Materials and Mechanics Group (CMMG) at the University of Connecticut has an opening for a postdoctoral researcher in the modeling of mechanical behavior polymer matrix composites across multiple scales starting immediately.

The postdoctoral researcher will use classical molecular dynamics simulations and machine learning algorithms to investigate the links between atomic scale microstructure and the properties/behavior of polymer matrix composites under high-rate deformation.

Qualifications:

- PhD in Materials Science and Engineering, Mechanical Engineering, Chemical Engineering, or a closely related area
- First author publications focused on the applications of classical molecular dynamics simulations to investigate mechanical behavior of soft materials
- Experience in coding and development/implementation of algorithms is essential

Interested candidates should send a CV and contact information of at least three professional references to Prof. Avinash Dongare at dongare@uconn.edu.