



Ph.D. position available in Mechanical Engineering

The Department of Mechanical Engineering at the University of Arkansas (<http://www.meeg.uark.edu/>) has one Ph.D. position open in the area of computational modeling of materials. The Graduate Research Assistant position is available starting in the Fall 2015/Spring 2016 semester.

The student is expected to carry out research in the area of computational materials modeling using atomistic and multi-scale methods. The focus of the project is to develop and validate molecular dynamics and multi-scale simulation models in close collaboration with an experimental group to uncover various deformation mechanisms in nanoscale core/shell structures.

Students who have bachelors or masters degree in physics, biochemistry, mechanical or materials engineering with good programming skills are encouraged to apply. Familiarity with molecular dynamics and the finite element method is a plus, but not mandatory. Professors Arun Nair and Douglas Spearot will jointly advise the student.

Student must meet the admission requirements of Department of Mechanical Engineering (<http://www.meeg.uark.edu/grad.php>) and the Graduate School at the University of Arkansas (<http://grad.uark.edu/>) to qualify for a Graduate Research Assistantship. Interested candidates should send their resume/CV to nair@uark.edu.

About the University of Arkansas: The University of Arkansas provides an internationally competitive education for undergraduate and graduate students in more than 200 academic programs. The university contributes new knowledge, economic development, basic and applied research, and also provide service to academic and professional disciplines. The Carnegie Foundation classifies the University of Arkansas among only 2 percent of universities in America that have the highest level of research activity. *U.S. News & World Report* ranks the University of Arkansas among its top American public research universities. Founded in 1871, the University of Arkansas comprises 10 colleges and schools and maintains a low student-to-faculty ratio that promotes personal attention and close mentoring. University of Arkansas is located in Fayetteville, AR, USA. (www.uark.edu) Fayetteville is the third-largest city in Arkansas and is within the outskirts of Boston Mountains and the Ozarks.