Assistant Professor (Tenure Track) Emphasis in Computational Solid Mechanics

The Department of Mechanical Engineering at University of Mississippi, Oxford, MS is seeking to fill a Tenure-Track Assistant Professor position in Computational Solid Mechanics to start in Fall 2016. The computational mechanics topics include but are not limited to: micro/meso-scale solid mechanics, mechanics of biological systems, mechanics of composite materials for energy applications, and multiscale modeling. Candidates should have proven expertise in the development of advanced computational algorithms / theories / modeling of structural, biological, and/or energy systems that are complementary and synergistic with existing research areas in the School. The Mechanical Engineering department has recently built a new blast and impact facility with a high speed three dimensional digital imaging system for studying material/structural response. Modeling and simulation can be performed using computers at the state supported on-campus “Mississippi Center for Supercomputing Research.”

The successful candidate is expected to make a significant contribution to the School’s research activities and to build a strong, externally funded research program. The candidate should also have a marked interest in, and demonstrated talent for, teaching in both the undergraduate and graduate programs. The candidate is expected to foster a balanced program of research and instruction that integrates the perspectives of computational mechanics, structural dynamics, and materials science. The candidate is also expected to develop strong collaborative research in the area of computational mechanics with faculty performing experimental research in blast response of composite materials, multiscale modeling of biological materials, and energy harvesting systems. An earned Ph.D. in Mechanical Engineering or closely related field is required.

To apply, interested candidates should apply online at jobs.olemiss.edu. Candidates should include a current CV, statement describing research and teaching experience and interests, along with the names of three references and their contact information. In the research statement, the candidate should discuss research plans, possible funding sources, and laboratory requirements.

Review of applications will begin immediately and continue until the position is filled. Any questions regarding this position should be emailed to the Search Committee Chair, Dr. Tyrus A. McCarty at mccarty@olemiss.edu. Women and minorities are encouraged to apply. The University of Mississippi is an EEO/AA/Title VI/Title IX/Section 504/ADA/ADEA employer.