

TENURE-TRACK FACULTY POSITION IN SOLID MECHANICS

The Department of Mechanical and Nuclear Engineering at Kansas State University invites applications from individuals with a background in solid mechanics field for a tenure-track position at the rank of assistant professor. Qualifications include a doctorate in Mechanical Engineering or closely related field. The candidate will be expected to develop a sustainable externally-funded research program, make significant contributions to the department's research, teaching and service responsibilities, publish scholarly work, work corroboratively with other faculty members in the department, develop new courses that complement the existing offerings of the department, teach at both the undergraduate and graduate levels, advise undergraduate students, and supervise and support graduate students pursuing advanced degrees. The department's research in the solid mechanics area includes theoretical/computational mechanics, composite fabric mechanics, acoustic transparency, nano materials and processes, and experimental solid mechanics.

With a focus on physics-based mechanics, the solid mechanics group supports three laboratories (Mechanical Testing and Evaluation Laboratory, Nano Science and Engineering Laboratory, and Composites Laboratory) and high performance parallel computer clusters. The group's research has obtained sustainable and substantial extramural research funding. The group has three strategic focus areas. Research in fabric and fabric reinforced composite mechanics has developed a unique approach to analyze textile fabric micro-geometry and strength based upon discrete fiber-level physics. Research on nano- and micro-scale materials includes phononic materials and ceramic nanocomposites for energy devices. Experimental research includes characterizations of fracture failure and the radiation effects on the mechanical behavior of metallic materials.

The department has 24 faculty members with annual research expenditures of approximately \$4.5M/yr and a total of approximately 850 undergraduate and graduate students. More information may be found at <http://www.mne.ksu.edu>. The College of Engineering is located on the main K-State campus in Manhattan, KS. Manhattan is a vibrant family oriented city of 53,000 in the scenic Flint Hills. It is the cultural and business hub of a tri-county area community of over 200,000 residents.

Applications consisting of a cover letter, statements of teaching and research interests, a curriculum vitae, and contact information for four references should be emailed in a single pdf format file to mnesearch-faculty3@ksu.edu. Review of applications is ongoing and will continue until the position is filled. A background check is required. Kansas State University actively seeks diversity among its employees and is an equal opportunity/affirmative action employer.