The Department of Mechanical & Materials Engineering (MME) at the University of Nebraska-Lincoln (http://engineering.unl.edu/mme) invites applications for multiple tenure-track faculty positions at all ranks in the area of computational modeling and simulation of complex and dynamic systems, specifically related to national defense.

The UNL College of Engineering is undergoing an exciting period of significant growth, and anticipates hiring 100 new faculty in the next five years. A new University Program of Excellence is focused on expanding faculty expertise in areas related to combatting weapons of mass destruction and other broad areas of national security. This cluster hire will create a complementary group of researchers to address critical and/or fundamental issues related to this theme, as well as develop collaborative partnerships with existing faculty. The University of Nebraska’s National Strategic Research Institute provides an opportunity to directly impact national security through research activities, and successful applicants will be expected to develop collaborations with the U.S. Strategic Command and other Department of Defense laboratories.

Applicants are expected to have a Ph.D. or equivalent in mechanical engineering or a closely related field, with background on multi-system/multi-scale computational modeling and high-performance computing. Applicants should have a record of strong scholarly achievement and a demonstrated commitment to excellence in undergraduate and graduate education. Candidates must have the potential to establish a strong externally funded research program.

The Department of Mechanical & Materials Engineering consists of 35 tenure/tenure-track faculty, 700 undergraduate students, and 140 graduate students. An outstanding infrastructure exists for conducting research, including central facilities housing state-of-the-art instrumentation within the Nebraska Center for Materials and Nanoscience, the Nebraska Nanoengineering Research Facility and the Center for Biotechnology. World-class computational capabilities are available in the Holland Computing Center, which manages supercomputing facilities as well as other resources available to University of Nebraska researchers.

Applications must be submitted via http://employment.unl.edu (requisition #F_150227). Complete applications will include a cover letter (with specialty and position level clearly stated), CV, research and teaching statements, and a list of three references. Review of application materials will begin November 8 and continue until the position is filled. The University of Nebraska-Lincoln is committed to a pluralistic campus community through affirmative action, equal opportunity, work-life balance, and dual careers. See http://www.unl.edu/equity/notice-nondiscrimination