



**University of New Mexico Department of Mechanical Engineering
Assistant Professor in Mechanical Engineering**

The Department of Mechanical Engineering at the University of New Mexico invites applications for two full-time faculty positions. The Assistant Professor hires will be a probationary appointment leading to a tenure decision. Responsibilities will include teaching at both the undergraduate and graduate levels, advising graduate students, and establishing a strong externally funded research program.

Applicants should hold an earned doctorate in mechanical engineering or a closely related field by the start date of the appointment. Candidates for the first position should have demonstrated expertise and achievement in the area of energy systems and distributed/nonlinear control, and a strong commitment to teaching excellence in the broad areas of controls and dynamic systems. Candidates for the second position should have demonstrated expertise and achievement in experimental research in advanced materials and manufacturing, and a strong commitment to teaching excellence in the broad areas of materials science and solid mechanics. Candidates for both positions should have a demonstrated commitment to diversity, equity, inclusion, and student success as well as working with broadly diverse communities.

Mechanical Engineering faculty members are active in a number of interdisciplinary research centers and groups, including the Center for Emerging Energy Technologies, the Center for Micro-Engineered Materials, the Center for High Technology Materials, and the Center of Biomedical Engineering. Faculty have access to the University's extensive computational resources and world-class experimental facilities to support interdisciplinary research. Through memoranda of agreement, faculty have access to research facilities at Sandia National Laboratories (SNL), Air Force Research Laboratory (AFRL), and Los Alamos National Laboratory (LANL).

The Department of Mechanical Engineering is committed to excellence in both undergraduate and graduate education offering BS (ABET accredited), MS and PhD degree programs. A team of 14 tenure-stream faculty, and several research faculty, support the activities of close to 700 undergraduate students and 100 graduate students. We support both a strong core of mechanical engineering and interdisciplinary education that include the manufacturing engineering and NanoScience and MicroSystems programs. For further information about the Department of Mechanical Engineering at the University of New Mexico, see me.unm.edu.

The University of New Mexico is the premier research university in the state of New Mexico. UNM is a Carnegie Very High Research Activity Institution and a federally designated Hispanic Serving Institution, with nearly 27,000 students on the main and

branch campuses with more than 2,900 students in the School of Engineering. In addition to the traditional areas of thermodynamics, heat transfer, materials science, engineering design, dynamic systems/controls, fluid mechanics, and computational mechanics, the Mechanical Engineering faculty and students are engaged in several thrust areas such as Nanotechnology, Energy, Space Systems Engineering, and Bioengineering. Funding agencies for the ME department included, NSF, NIH, DARPA, DTRA, DOE, NASA, local industry, LANL, AFRL, and SNL. The close proximity of AFRL, SNL and LANL is an important catalyst for the department research. Mechanical Engineering faculty members direct or are associated with a number of UNM Research Centers including: Center for Emerging Energy Technologies, Center for Advanced Research and Computing, Manufacturing Training and Technology Center, Center for High Technology Materials, Center for Micro-Engineered Materials, and the Institute for Space and Nuclear Power Studies.

Albuquerque is an ethnically diverse city and has been listed among the smartest U.S. cities and best places to relocate in America. The city has a rich culture and a location offering unparalleled opportunities for outdoor adventure. The University is located within one hour of Santa Fe, and within minutes of the Sandia and Manzano mountain ranges, which offer great opportunities for hiking, biking, rock climbing and skiing.

For best consideration, complete applications must be received by December 4, 2017. Review of applications will continue until the position is filled. Interested persons must apply on the web at <https://hr.unm.edu/unmjobs> (Energy position: req2357, Materials position: req2591). A complete application consists of 1) a letter of interest/personal statement; 2) a comprehensive CV; 3) a research statement; 4) a teaching statement; and 5) the names and contact information (address, phone number and email address) of at least three professional references. All inquiries can be sent to: Prof. Andrea Mammoli (mammoli@unm.edu), Mechanical Engineering, University of New Mexico, Albuquerque, NM 87131.

The University of New Mexico is committed to hiring a retaining a diverse work force. We are an Equal Opportunity Employer, making decisions without regards to race, color, religion, sex, sexual orientation, gender, identity, national origin, age, veteran status, disability, or any other protected class.

Offer of employment is contingent upon verification of individual's eligibility for employment in the United States. The position is contingent upon availability of funding.

UNM is a recipient of an ADVANCE Institutional Transformation grant from the NSF to promote and advance women and minority faculty in STEM fields, and SOE is partnering with the ADVANCE at UNM program to help recruit and retain an excellent and diverse faculty.