Tenure-track Assistant Professor in Mechanical Engineering
(Energetic Materials / Explosives)

The New Mexico Institute of Mining and Technology (NMT) invites applications for a tenure-track Assistant Professor position jointly appointed in the Department of Mechanical Engineering and the Energetic Materials Research and Testing Center (EMRTC), with a research focus in energetics/explosives. The position carries a workload of 50% funded research at EMRTC, 30% teaching, and 20% service. Required qualifications include a Ph.D. in Mechanical Engineering or a related field at the time of appointment.

The individual will have responsibilities that include (a) teaching undergraduate (e.g., introductory, upper-division, service courses) and graduate courses in the department, related fields, and their areas of expertise; (b) Establishing a vibrant, externally funded research program in energetics that supports EMRTC's mission (e.g. projects funded by Department of War, Department of Energy, and Defense Sectors), disseminating research findings through peer-reviewed publications, technical reports, and other contract deliverables, and managing a research team that includes undergraduate and graduate students, postdoctoral researchers, and/or staff; (c) serving as an academic and research advisor for undergraduate and graduate students; (d) contributing to the department's and institution's efforts in supporting student academic success while engaging and encouraging students from diverse academic, socioeconomic, and cultural backgrounds; and (e) assisting in department, center, and university activities that include assessment, accreditation, and service activities in the profession and community.

New Mexico Tech, located in the central Rio Grande valley community of Socorro, specializes in science and engineering education and research and has an enrollment of approximately 1600 undergraduate and graduate students. NMT's Department of Mechanical Engineering is a leading department on campus, with strengths across the sub disciplines of Control/ Robotics/ Mechatronics, Explosives/ Energetic Materials, High-Strain Rate Mechanics/ Extreme Dynamics, Solid/ Fluid/ Thermal Sciences, and Unmanned Aerial Vehicles (drones). In addition to 10 tenured/tenure-track faculty, many researchers on nearby national labs (e.g., Sandia National Lab, Los Alamos National Lab, etc.) are adjunct faculty in the department. Students at all levels ranging from BS to PhD participate in research.

Application Submission and Deadline: Applicants should submit a single PDF to nmtjobapps@npe.nmt.edu, with "*Mechanical Engineering Energetics Faculty Application*" in the subject line, containing: 1) a letter of interest that summarizes how their expertise, experience, and interests align with the required qualifications of the position; 2) curriculum vitae; 3) names and contact information for three references; 4) a teaching statement; and 5) a research statement. Questions may be directed to Department Chair Dr. Mostafa Hassanalian (mostafa.hassanalian@nmt.edu). The position is available immediately. Review of applications will begin on January 1, 2027, and applications will continue to be accepted until the position is filled.

Equal Employment Opportunity: NMT is committed to creating a community in which a diverse population can learn, live, and work in an atmosphere of tolerance, civility, and respect for the rights and sensibilities of each individual. NMT is an Equal Opportunity Employer.

Benefits: Excellent benefits (health, vision, dental), tuition fee waiver for family members, and a generous retirement plan.

Regional Attractions: New Mexico Tech is located in Socorro, in the scenic Rio Grande River Valley of central New Mexico, 75 miles south of Albuquerque with its many attractions, and 139 miles south of Santa Fe. Nearby mountains and desert canyons provide opportunities for excellent hiking, climbing, and mountain biking. The Bosque del Apache National Wildlife Refuge, located just south of Socorro along a major north-south flyway, offers some of the best birding in the USA.