Tenure-track Assistant/Associate Professor in Materials and Metallurgical Engineering

Position Description: The Department of Materials and Metallurgical Engineering (MTLS) at the New Mexico Institute of Mining and Technology, NMIMT (aka New Mexico Tech, NMT) invites applications for a tenure-track position at the rank of Assistant or Associate Professor. The ideal applicant is a physical or electrochemical metallurgist with research and teaching experience or promise in areas such as alloy design, advanced manufacturing, structure and microstructural analysis, thermodynamics and phase transitions, thermo-physical property measurement, failure analysis, corrosion and electrometallurgy. Salary and rank will be commensurate with experience and qualifications. Individuals with managerial and leadership experience may be considered for a Department Chair position at the Associate rank. The intended start is for Fall semester 2027, or before.

Department & Associated Research Center Descriptions: MTLS is the only university materials engineering department in New Mexico, with a long history in metallurgy. The MTLS undergraduate program is ABET accredited, offering a BS degree in Materials Engineering and an option in Metallurgy. The graduate program offers MS, ME and PhD degrees in Materials Engineering. MTLS faculty conduct research in computational materials science, process metallurgy, alloy design, additive manufacturing, functional ceramics, nano-materials, and dynamic, electronic and quantum behavior. MTLS has unique materials process capabilities, state-of-the-art microscopy and x-ray characterization tools and access to high performance computing for teaching and research. On-campus institutes offer unique capabilities and opportunities for collaborative research: The New Mexico Bureau of Geology & Mineral Resources is charged with the prudent use of the state's rich geologic resources. The Petroleum Research & Recovery Center solves problems related to the oil and gas industry. The Energetic Materials Research & Test Center has dozens of test ranges and safety and ordinance professionals. Each of these has provided funded projects for MTLS faculty and students. Collaborations with nearby Sandia and Los Alamos National Labs, and Center for Integrated Nano-technologies are common.

University Description: Established in 1889 as the NM School of Mines, NMT is a STEM-focused, public research institution with an enrollment of about 1500 undergraduate and graduate students. NMT has high national rankings, and tops public institutions for percentage of baccalaureates later earning a PhD. NMT is a federally-designated Hispanic Serving Institution.

Qualifications:

- PhD in Metallurgical Engineering or Materials Science & Engineering.

- Ability to develop and teach undergraduate and graduate courses in physical metallurgy, processing and microstructure, materials thermodynamics & phase transitions, steel and advanced manufacturing, failure analysis, corrosion, etc.
- Ability to establish and sustain an externally funded research program supporting students.
- Demonstrable verbal and written communication skills, including published research work.
- Ability to work collaboratively with academic faculty, research center scientists and industry.
- Ability to support student success and engage students from diverse backgrounds.
- Commitment to professional and academic excellence through service activities.
- Applicants interested in Department Chair consideration should have demonstrable leadership and managerial skills
- Professional Engineer (PE) licensure is desirable

Application Details: Applications submitted by Dec. 31, 2026 will receive full consideration, but will be accepted until the position is filled. Applicants must e-mail a single PDF document that incorporates the following: [1] cover letter [2] curriculum vitae [3] research statement with interests and plans (max 3 pages) [4] teaching statement that includes experience, philosophy and a list of potential courses (max 2 pages), and [5] a list of at least three references, willing to provide letters upon request. For individuals interested in the Department Chair position, please also include [6] service statement including administrative and managing experience (max 2 pages). Terminal degree transcripts and one select publication may be included. Send to nmtjobapps@npe.nmt.edu c/o Jessica Dennis and copied to mtls.dept@npe.nmt.edu, with "Materials/Metallurgical faculty application 2027" in the subject line.

Equal Employment Opportunity Employer: NMT is committed to a community in which a diverse population learns, lives and works in an atmosphere of tolerance, civility, and respect for the rights and sensibilities of all.

Benefits: NMT offers excellent benefits including health, vision, dental, retirement plan and tuition fee waiver for self and dependents.

Regional Attractions: NMT is in Socorro, in the scenic Rio Grande River Valley of central New Mexico, just one hour south of Albuquerque with convenient access to its airport and many services and attractions. Socorro is a place with rich history and tradition, offering easy and low-cost living. Nearby mountains, canyons and high desert offer excellent hiking, climbing and biking. The nearby Bosque del Apache National Wildlife Refuge offers some of the best birding in the US. Skiing, hunting, fishing and rock-hounding are other favorite pastimes in the state.