

Assistant Professor of Materials Science and Engineering
Lehigh University

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Posted Oct. 16, 2024, set to expire Feb. 17, 2025

Job Title	Assistant Professor of Materials Science and Engineering
Department	Materials Science and Engineering
Institution	Lehigh University Bethlehem, Pennsylvania
Date Posted	Oct. 16, 2024
Application Deadline	Open until filled
Position Start Date	Jul. 1, 2025
Job Categories	Assistant Professor
Academic Field(s)	Material/Metallurgy
Job Website	https://academicjobsonline.org/ajo/jobs/28908
Apply By Email	
Job Description	

Job Description:

The Materials Science and Engineering (MS&E) Department within the P.C. Rossin College of Engineering & Applied Science at Lehigh University invites applications for a tenure-track Assistant or untenured Associate Professor position with an anticipated start date of July 1, 2025. Areas of interest include **energy, metals, and related topics, with focus on electron microscopy application**. Candidates must have earned a doctorate in Materials Science and Engineering or a directly related field by the date of employment.

The successful candidate in **metals/energy/electron microscopy** will have a strong background in phase transformations, microstructural evolution, and structure-property relations of metallic systems as pertaining to energy applications. The successful candidate is also expected to have expertise in

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electron microscopy and become an extensive user of Lehigh's electron microscopy facilities. Lehigh maintains one of the most comprehensive electron microscopy facilities in the U.S., with a suite of nine scanning, transmission, and scanning/transmission instruments. The facility also houses the world's highest resolution analytical electron microscope that is custom designed for nanoscale analysis and atomic resolution imaging. More information on the materials characterization facility can be found at: <https://ifmd.lehigh.edu/>.

The successful candidate will be expected to develop a strong funded research program, contribute to our educational mission, complement our existing strengths, and collaborate effectively with colleagues. The successful candidate must also be committed to the enhancement of a diverse, equitable, and inclusive environment in which world-class faculty, staff, and students can thrive to their full potential. We particularly encourage applications from women and underrepresented minorities.

Lehigh's MS&E Department (<https://materials.lehigh.edu/>) maintains active research in the areas of ceramics, glasses, polymers, electronic materials, biomaterials, metals, modeling/simulation, and electron microscopy. Among the MS&E faculty are fellows of professional societies as well as award-winning professors, including many NSF CAREER award winners. Opportunities also exist to collaborate with researchers from other departments within and outside the engineering college, along with the three Interdisciplinary Research Institutes: namely, the Institutes for Functional Materials and Devices, for Cyber Physical Infrastructure, and for Data, Intelligent Systems and Computation. (<https://www1.lehigh.edu/research/research-centers-institutes>).

Founded in 1865, Lehigh University combines outstanding academic and learning opportunities with leadership in fostering innovative research. Recognized among the nation's highly ranked research universities, Lehigh offers a rigorous academic community for nearly 7,500 students. Lehigh University has some 5,800 undergraduates, 1,800 graduate students, and about 600 full-time faculty members. Lehigh University is located in Bethlehem, Pennsylvania, a vibrant and historic area. Over 840,000 people live in the Lehigh Valley, which is in close proximity to New York City and Philadelphia.

Lehigh has five colleges, including the new College of Health, and is investing substantially in new innovative research and academic programs to enhance its intellectual footprint. These investments, based on faculty-driven initiatives, will advance the University's commitment to scholarship and to the student experience. Lehigh has recently invested in a new Health, Science, and Technology (HST) building, increasing the university's capacity for interdisciplinary research related to health and biomedicine.

The Rossin College consists of eight departments, twelve research-based M.S. and Ph.D. programs, ten professional master's programs, and twelve undergraduate programs. The college also has

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multiple cross-college honors programs with the College of Business and with the College of Arts and Sciences. The College faculty includes approximately 130 tenure-track and 20 teaching faculty members. The student body includes approximately 2,000 undergraduate students and 800 graduate students. The College has broad-based research activities across numerous areas of scholarly excellence and is committed to diversity, equity, and inclusion.

Lehigh University is an affirmative action/equal opportunity employer and does not discriminate on the basis of age, color, disability, gender identity or expression, genetic information, marital or familial status, national or ethnic origin, race, religion, sex, sexual orientation, or veteran status. We are committed to increasing the diversity of the campus community. Lehigh University is committed to a culturally and intellectually diverse academic community and is especially interested in candidates who can contribute, through their research, teaching and/or service, to this mission. Lehigh University is the recipient of an NSF [ADVANCE](#) Institutional Transformation award for promoting the careers of women in academic sciences and engineering and is among institutions of higher education recognized for excellence in diversity with the INSIGHT into Diversity HEED Award. Additional information about Lehigh's commitment to diversity and inclusion is available at <https://diversityandinclusion.lehigh.edu/>. Lehigh University provides competitive salaries and comprehensive benefits, including domestic partner benefits. More information about Work/Life Balance for Faculty can be found at <http://provost.lehigh.edu/resources/worklife-balance>. Lehigh University supports dual career efforts for following spouses/partners of newly hired faculty. Learn more about Dual Career Assistance at: <https://www.lehigh.edu/~inprv/faculty/dualcareer.html>.

Review of Applications:

Review of Applications - Applications will be reviewed upon receipt. For full consideration, applications should be received online by November 15, 2024. Review of applications will continue until the position is filled. Applicants should submit their materials at <https://academicjobsonline.org/ajo/jobs/28908>. Candidates should submit the following materials: 1) a cover letter, 2) curriculum vitae (CV), 3) a Research Statement (not exceeding 3 pages) that describes past scholarly contributions and future research directions, and possible funding sources, 4) a Teaching Statement (not exceeding 2 pages) that describes instructional philosophy and courses that the candidate would want to teach or develop, 5) a statement (not exceeding 2 pages) on contributions to diversity, equity, and inclusion (DEI) that describes knowledge, prior DEI experience, and the candidate's future plans for enhancing community and culture at Lehigh (the Lehigh ADVANCE Center's guide for understanding and preparing such statements is available [here](#)), and 6) names and contact information of at least three references. Any inquiries regarding this search should be directed to Prof. Helen M. Chan, Chair of the Search Committee at hmc0@lehigh.edu.

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Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact Helen Chan
Materials Science and Engineering
Lehigh University
Bethlehem, PA 18015

Contact E-mail hmc0@lehigh.edu