

Assistant or Untenured Associate Professor in
Interdisciplinary Engineering / Electric Vehicles
Lehigh University

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Posted Oct. 23, 2024, set to expire Feb. 24, 2025

Job Title	Assistant or Untenured Associate Professor in Interdisciplinary Engineering / Electric Vehicles
Department	Electrical and Computer Engineering, Mechanical Engineering & Mechanics https://engineering.lehigh.edu/ece/about/ece-employment-opportunities
Institution	Lehigh University Bethlehem, Pennsylvania
Date Posted	Oct. 23, 2024
Application Deadline	Dec. 13, 2024
Position Start Date	Jul. 1, 2025
Job Categories	Assistant Professor Associate Professor
Academic Field(s)	Mechanical Engineering Electrical and/or Electronics Computer Engineering Engineering - Other
Apply Online Here	https://academicjobsonline.org/ajo/jobs/28980

Apply By Email

Job Description

LEHIGH UNIVERSITY. The P. C. Rossin College of Engineering and Applied Sciences invites qualified individuals to apply for a tenure-track Assistant or (untenured) Associate Professor position in the area of transportation electrification with an anticipated start date of July 1, 2025. This hire is associated with the Advancing Community Electrification Solutions (ACES) initiative at Lehigh. Outstanding

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candidates working in Electric Vehicle (EV) design, control, charging, or integration to advanced transportation, building, and power grid infrastructures are encouraged to apply. Research areas of interest include, but are not limited to, electric machines and drives for EVs, EV power electronic systems and power controllers, thermal management of EVs, advanced charging systems and infrastructures, battery technologies and energy storage management, EV dynamics and cyber-physical control systems, machine learning approaches for electrification of transportation systems, EV integration to advanced transportation systems, buildings, and the power grid. Candidates' backgrounds could be experimental, computational, or a mixture.

Candidates must have an earned PhD in Electrical Engineering, Mechanical Engineering, or another relevant discipline by the date of employment. The individual hired will be expected to teach courses in transportation electrification and related areas at both the undergraduate and graduate levels; engage in scholarly activities; and participate in departmental, college, and university service. The successful candidate will also be expected to:

- pursue external funding and support PhD students;
- teach courses at all levels of the curriculum related to their home department(s);
- collaborate in interdisciplinary research projects in the transportation and energy sectors and in electrification; and
- support and contribute to the department, college, and university efforts relating to diversity, equity, and inclusion.

Multidisciplinary research programs are an important priority at Lehigh University and include strong interactions with government agencies, industry, and existing interdisciplinary research institutes (IRIs) on campus. The ideal candidate's research area will be synergistic with research thrusts in the Lehigh Institute for Cyber-Physical Infrastructure and Energy (I-CPIE). Additionally, Lehigh University's latest strategic plan (<https://ospi.lehigh.edu/strategic-plan-1>) outlines research growth in the area of sustainable and resilient infrastructure and community through strategic investments in university research centers. The ideal candidate's research area will be synergistic with research efforts within such centers.

Founded in 1865, Lehigh University has combined 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 over 7,500 students. Lehigh University has some 5,800 undergraduates, 1,800 graduate students, and nearly 600 full-time faculty members. Lehigh University is located in Bethlehem, PA, 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.

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Review of Applications will begin December 16, 2024. For full consideration, applications should be received online by December 13, 2024. Review of applications will continue until the position is filled. Applicants should submit their materials at <https://academicjobsonline.org/ajo/jobs/28980>. Candidates should submit the following materials:

- Cover letter
- Curriculum vitae
- Research statement that describes past scholarly contributions and future research directions
- Teaching statement that describes instructional philosophy and courses that the candidate would want to teach or develop
- A statement 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](#))

Any inquiries regarding this search should be directed to Shaline Kishore at shk2@lehigh.edu.

EEO/AA Policy

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 (<http://www.lehigh.edu/luadvance/>) 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: <https://provost.lehigh.edu/work-life-balance>.

Lehigh University supports dual career efforts for following spouses/partners of newly hired faculty.

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Learn more about Dual Career Assistance at: <https://provost.lehigh.edu/resources/faculty-dual-career-assistance-program/dual-career-guidelines>.

Contact Information

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

Contact Shalinee Kishore
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Engineering & Mechanics
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Bethlehem, PA 18015

Contact E-mail shk2@lehigh.edu