

Assistant/Associate Professor - Energy Transition
Innovations
University of Houston

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Posted Oct. 30, 2024, set to expire Mar. 3, 2025

Job Title Assistant/Associate Professor - Energy Transition Innovations
Department Mechanical and Aerospace Engineering
<https://www.me.uh.edu/>
Institution University of Houston
Houston, Texas

Date Posted Oct. 30, 2024

Application Deadline Open until filled
Position Start Date Fall 2025

Job Categories Associate Professor
Associate Professor
Assistant Professor
Assistant Professor

Academic Field(s) Energy Technology
Engineering - Other
Engineering - Other
Energy Technology

Job Website https://uhs.taleo.net/careersection/ex2_uhf/jobdetail.ftl?job=FAC003612&tz=GMT-05%3A00&tzname=America%2FChicago

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**Apply By
Email**

**Job
Description**

The Department of Mechanical and Aerospace Engineering at the University of Houston (UH) invites applications for a Presidential Frontier Faculty position at the rank of tenure-track Assistant Professor or tenured Associate Professor, depending on the qualifications of the successful candidate, with an appointment beginning in Fall 2025. The Presidential Frontier Faculty program at UH is a university-wide, integrated, interdisciplinary faculty hiring initiative designed to address federal priorities and societal challenges in health, energy, sustainability, and security. We seek an outstanding individual with demonstrated expertise or research potential in process systems engineering and the optimization of sustainable and emerging energy systems. Specific topics of interest include but are not limited to, the modeling, analysis, design optimization, and real-time control of renewables, hydrogen and fuel cell technologies, energy storage systems, and power generation, transmission, and distribution systems. The successful candidate is expected to develop collaborations and leverage synergies within UH across departments and colleges. They must establish a strong, nationally recognized, and externally funded research program and teach undergraduate and graduate-level courses. Candidates should have a strong track record of scholarship, a creative vision for future research, a commitment to engineering education, and excellent written and interpersonal communication skills. They must hold a PhD degree or equivalent in mechanical engineering or a related engineering field at the time of employment.

The Department of Mechanical and Aerospace Engineering at UH is home to 34 full-time faculty, approximately 80 doctoral students, 200 master's students, and over 1,000 undergraduates. UH is Texas' premier public metropolitan research and teaching institution with over 45,000 students located on a park-like campus proximal to downtown Houston, the fourth-largest city in the nation. It offers a comprehensive range of programs across 15 colleges, fostering innovation in energy, health, hospitality, business, education, law, STEM, and the humanities. UH is designated as a Hispanic Serving Institution and the nation's second most ethnically diverse major research university. The university is committed to an ambitious Strategic Plan to become a Top 50 University, with significant initiatives in its Research Priority areas of Energy, Health, Security, and Sustainability. Houston, the world's energy capital, is a thriving metropolitan area that offers ample opportunities for engagement with high-tech companies.

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Applicants should submit (1) a cover letter highlighting the candidate's strengths and interest in the position, (2) a curriculum vitae, (3) a statement of research vision, (4) a statement on teaching philosophy, and (5) names and contact information of three references. To apply, please visit https://uhs.taleo.net/careersection/ex2_uhf/jobsearch.ftl?lang=en&portal=10200120292. Official transcripts are required and will be requested upon selection of the final candidates. All positions at the University of Houston are security sensitive and will require a criminal background check.

EEO/AA Policy

The University of Houston is an Equal Employment Opportunity/Affirmative Action Institution. It recognizes protected classes of race, color, sex (including pregnancy), genetic information, religion, age (40 and above), national origin, disability, veteran status, sexual orientation, gender identity or status, and gender expression as required by federal law. Veterans and persons with disabilities are encouraged to apply.

Contact Information

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

Contact

Mechanical Engineering
University of Houston
Houston, TX