

Multiple Tenure-Track Faculty Positions (2021-2022 Hiring Cycle)
Carnegie Mellon University

Direct Link: <https://www.AcademicKeys.com/r?job=167298>

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Posted Sep. 16, 2021, set to expire Mar. 17, 2022

Job Title Multiple Tenure-Track Faculty Positions (2021-2022 Hiring Cycle)

Department Mechanical Engineering Department

<https://www.meche.engineering.cmu.edu/employment.html>

Institution Carnegie Mellon University
Pittsburgh, Pennsylvania

Date Posted Sep. 16, 2021

Application Deadline For full consideration apply by November 1, 2021

Position Start Date Expected start Fall 2022

Job Categories Assistant Professor
Associate Professor
Professor

Academic Field(s) Water Resources Engineering
Transportation Engineering
Sustainable Engineering
Robotics
Mechatronics
Mechanical Engineering
Ecological and Environmental
Electrical and/or Electronics
Computer Engineering
Computer Science
Civil Engineering
Bioengineering (all Bio-related fields)
Aerospace/Aeronautical/Astronautics
Engineering - Other

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Apply By Email

Job Description

The Department of Mechanical Engineering invites applications for multiple tenure-track faculty positions. We are strongly committed to all members of our community: students, faculty, and staff. Our mission is to inspire and educate the next generation of engineers and to conduct engineering-science research that seeks to address important societal challenges. We strive to accomplish this with the highest dedication to quality, integrity, and respect for others. We are particularly interested in applicants who are committed to and have passion for a culturally diverse environment in research and teaching and who demonstrate an eagerness to strengthen the culture of inclusivity at Carnegie Mellon. We are actively and purposefully committed to considering a diverse applicant pool in terms of gender, race, veteran status, and disability. Carnegie Mellon University seeks to meet the needs of dual-career couples and is a member of the Higher Education Recruitment Consortium (HERC) that assists with dual-career searches.

The Mechanical Engineering department consists of approximately 35 faculty, 400 undergraduate students, and 400 graduate students. The department is on a positive trajectory with a new building scheduled to open in 2023. We have of a young, growing and gender-diverse faculty who have created a dynamic environment with innovative research in both traditional and non-traditional domains addressing societal challenges. Thus, the department provides an ideal environment for researchers from diverse technical backgrounds to develop an academic career.

We have multiple positions open to candidates from a broad range of engineering backgrounds:

General Call: Consistent with the current breadth of departmental research, we welcome applicants with expertise across all research areas related to mechanical engineering broadly defined and who have the ability to contribute synergistically to existing research activities in the department and university at large.

Targeted and Cross-Cutting Domains: We welcome applicants looking to address emerging challenges in particular fields both within and outside the traditional scope of mechanical engineering. These include controls, as well as cross-cutting efforts to integrate mechanical engineering disciplines with robotics, artificial intelligence/machine learning, medicine and medical technologies.

Carnegie Mellon University College of Engineering has a highly collaborative environment with a rich

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history of interdisciplinary research. Some of that interdisciplinary research has been spurred by the significant number of faculty who have joint appointments in two departments. We are interested in further accelerating the potential for interdisciplinary research by recruiting faculty jointly with other departments, to include individuals who encompass multiple specialties. Potential examples include, but are not limited to: controls, robotics, or mechatronics with Electrical and Computer Engineering and the Robotics Institute; Machine Learning potentially with any unit; biomedical with Biomedical Engineering; and, policy as relates to autonomy, energy and environment, manufacturing, and biomedical with Engineering and Public Policy.

Expectations: You are expected to contribute to teaching our core undergraduate courses, electives, and graduate courses. Tenure-track faculty at Carnegie Mellon carry a moderate teaching load that allows time for quality research and close involvement with students. We expect you to establish and grow a strong externally supported and internationally recognized research program, contribute to our teaching mission, be a passionate mentor and advisor, and serve with colleagues to help promote the general success of the department.

Eligibility: We are seeking individuals who hold a Ph.D. in a relevant discipline and have demonstrated dedication to our core values: scientific truth, creativity, quality, innovation, and engineering solutions. Faculty positions are primarily at the Assistant Professor level; however, appointments may be made at the rank of Associate Professor or Professor depending on your qualifications.

Instructions to Apply: You should submit a cover letter and curriculum vitae, and you should request 3-5 professional references via the Interfolio system. Your application should also include three statements:

a research statement, typically on the order of five pages, outlining a compelling vision for a research program that ultimately goes beyond your prior (typically PhD or post-doc) experience. Your statement should include initial research projects that can be immediately pursued with graduate students, given your current expertise, and for which external funding can realistically be sought. Statements also should include a longer-term vision with more far-reaching plans, which may reference potential collaborators in the department and elsewhere at Carnegie Mellon.

a teaching statement, typically on the order of two pages, outlining both your experience and philosophy as well as a list of courses you are interested in teaching.

a diversity statement, typically on the order of two pages, outlining how you have contributed to and plan to contribute to diversity, inclusion, and equity.

Please visit: <https://apply.interfolio.com/94188> to begin the process of submitting an application.

Applications should be submitted as a single PDF document except for letters of recommendation



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which should be requested individually through the confidential letter request function in Interfolio. You may wish to send an email to each of your letter writers to alert them that they will receive an automated email from Interfolio requesting that they upload their letter of recommendation (sometimes the automated Interfolio emails are mistaken for spam).

Review of applications will begin immediately and all applications received by November 1, 2021 will be given full consideration; we encourage you to submit early. Paper applications will not be accepted. Women and members of traditionally underrepresented minority groups are particularly encouraged to apply.

EEO/AA Policy

Carnegie Mellon University is committed to Equal Employment Opportunity and Affirmative Action (EEO/AA).

The university bases its employment decisions on the principle of equal employment opportunity. All personnel actions including, but not limited to, recruitment, hiring, training, promotion, compensation, benefits, transfer, layoff, return from layoff, education tuition assistance and social and recreational programs are administered in accordance with the university's commitment to non-discrimination. Carnegie Mellon University shall abide by the requirements of 41 CFR §§ 60-1.4(a), 60-300.5(a) and 60-741.5(a). These regulations prohibit discrimination against qualified individuals based on their status as protected veterans or individuals with disabilities, and prohibit discrimination against all individuals based on their race, color, religion, sex, or national origin. Moreover, these regulations require that covered prime contractors and subcontractors take affirmative action to employ and advance in employment individuals without regard to race, color, religion, sex, national origin, protected veteran status or disability.

Contact Information

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

Contact Faculty Search Committee
Mechanical Engineering Department
Carnegie Mellon University



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