

Multiple open rank openings in Electrical or Computer
Engineering
Tufts University

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Posted Oct. 21, 2024, set to expire Mar. 3, 2025

Job Title	Multiple open rank openings in Electrical or Computer Engineering
Department	School of Engineering: Electrical and Computer Engineering
Institution	Tufts University Medford, Massachusetts
Date Posted	Oct. 21, 2024
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Professor
Academic Field(s)	Electrical and/or Electronics Computer Engineering
Job Website	https://apply.interfolio.com/155644

Apply By Email

Job Description

The Department of Electrical and Computer Engineering at Tufts University invites applications for tenure-track faculty positions in Electrical and Computer Engineering to begin in September 2025. We are seeking candidates at the rank of Assistant, Associate, and Full Professor; including the possibility of a named professorship.

Electrical and Computer Engineering has grown significantly in the past twenty years. This search is for multiple openings as part of a multi-year hiring plan with at least two slots for this year and additional searches planned for the next two years. These searches are looking for the best candidates broadly in Electrical and Computer Engineering with some example areas of interest listed below. This search is also part of a wider hiring campaign by the School of Engineering to grow its research and educational

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capabilities in areas of interest including artificial intelligence and sustainable materials. The School of Engineering is deeply committed to developing pragmatic, innovative solutions for environmentally and socially responsible use of energy and materials applying methods that minimize environmental damage to the natural environment. Overall, we are looking for the best candidates to add to our dynamic and growing department with a strong background in electrical and computer engineering, or a closely related field. Some example areas of interest are listed below:

§ Artificial Intelligence with a focus on probabilistic machine learning and artificial intelligence, mathematical foundations of AI systems and architectures, or dynamical systems and optimization including mean field game and control problems. Additionally, there is strong interest in the application of AI; including to the fields of energy systems, photonic imaging systems, medical imaging, wearables/human-sensing, omics, and next generation communication systems.

§ Computer Engineering with strong record of research in hardware and software systems. We are particularly interested in interdisciplinary research of emerging domains including AI/ML, quantum computing, security, sustainable technologies, wearable computing, and robotics, autonomous vehicles.

§ Electronic materials, devices, or circuits with focus on materials modeling, wide bandgap materials, sustainable materials, epitaxial growth (e.g. MBE), and fabrication of novel devices and circuits for emerging applications: e.g. renewable energy; power electronics RF, microwave, millimeter wave, and terahertz applications; photonics; quantum computing; spintronics; applications in 5G/6G; flexible electronics; and other next generation technologies

We are looking for engaged and engaging researchers and teachers with a strong vision who can build and maintain a high-quality research program at Tufts and whose research will both connect with some of our current faculty and extend into new areas. Tufts' School of Engineering (SOE) distinguishes itself by the interdisciplinary focus and integrative nature of its engineering education and research programs, within the intellectually rich environment of both a "Research I" university and a top-ranked undergraduate institution. The past 20 years have been a period of extraordinary growth for SOE at Tufts, with recruitment of well over half of its current tenured and tenure-track faculty members and a more than six-fold increase in research productivity. Tufts offers the best of a liberal arts college atmosphere, coupled with the intellectual and technological resources of a major research university. Home to seven graduate and professional schools across three campuses, Tufts University prides itself on its culture of cross-school partnerships. Located on Tufts' Medford/Somerville campus, only six miles from historic downtown Boston, SOE faculty members have extensive opportunities for academic and industrial collaboration, as well as participation in the rich intellectual life of the region.

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Qualifications

The successful candidate will join an active department that offers B.S., M.S., and Ph.D. programs, and thus must demonstrate excellence in teaching as well as the potential to develop an internationally recognized research program. Teaching responsibilities will include graduate and undergraduate courses. A doctorate is required. Candidates should submit a clear statement explaining why they are interested in Tufts and how their skillset will fit well into the department and university ecosystem.

Application Instructions

Questions about the position should be addressed to Professor Usman Khan, search committee chair; [email address: ece@tufts.edu] Candidates should submit their application, including:

1. A letter of application explaining your interest in Tufts and in this position
2. Your curriculum vitae
3. A statement describing your current and planned research
4. A statement of your teaching philosophy
5. A sample of your scholarly work
6. Three to five professional references. Confidential letters will be requested from these individuals later in the process.

online through Interfolio at apply at <http://apply.interfolio.com/155644>.

Review of applications will begin on December 1, 2024 and will continue until the position is filled; applications submitted after December 1, 2024 are also welcome.

Candidates are encouraged to demonstrate attention to diversity and inclusion as it relates to teaching, research, and scholarship throughout their application.

EEO/AA Policy

Tufts University, founded in 1852, prioritizes quality teaching, highly competitive basic and applied research, and a commitment to active citizenship locally, regionally, and globally. Tufts University has

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also committed to becoming an anti-racist institution and prides itself on the continuous improvement of diversity, equity and inclusion work. Current and prospective employees of the university are expected to have and continuously develop skill in, and disposition for, positively engaging with a diverse population of faculty, staff, and students. Tufts University is an Equal Opportunity/Affirmative Action Employer. See the University's Non-Discrimination statement and policy here <https://oeo.tufts.edu/policies-procedures/non-discrimination/>. If you are an applicant with a disability who is unable to use our online tools to search and apply for jobs, please contact us by calling the Office of Equal Opportunity (OEO) at 617-627-3298 or at oeo@tufts.edu. Applicants can learn more about requesting reasonable accommodations at <https://oeo.tufts.edu/>.

Contact Information

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

Contact