

Multiple open rank openings in Electrical or Computer
Engineering
Tufts University

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Posted Oct. 17, 2024, set to expire Apr. 17, 2025

Job Title	Multiple open rank openings in Electrical or Computer Engineering
Department	Electrical Engineering https://engineering.tufts.edu/ece/
Institution	Tufts University Medford, Massachusetts
Date Posted	Oct. 17, 2024
Application Deadline	open until filled
Position Start Date	Sep. 1, 2025
Job Categories	Assistant Professor Associate Professor Professor
Academic Field(s)	Electrical and/or Electronics Computer Engineering
Job Website	http://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

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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 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, graph-based learning, 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

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and industrial collaboration, as well as participation in the rich intellectual life of the region.

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

EEO/AA Policy

Tufts University is an Affirmative Action/Equal Opportunity employer. We are committed to increasing the diversity of our faculty. Members of underrepresented groups are strongly encouraged to apply. Tufts does not discriminate in its educational programs or activities on the basis of race, color, national or ethnic origin, ancestry, age, religion or religious creed, disability or handicap, sex or gender (including pregnancy, sexual harassment and other sexual misconduct including acts of sexual violence such as rape, sexual assault, sexual exploitation and coercion), gender identity and/or expression (including a transgender identity), sexual orientation, military or veteran status, genetic information, or any other characteristic protected under applicable federal, state or local law. Retaliation is also prohibited. Tufts will comply with state and federal laws such as M.G.L. c. 151B, Title IX, Title VI and Title VII of the Civil Rights Act, the Americans with Disabilities Act, Section 504 of the Rehabilitation Act of 1973, the Age Discrimination in Employment Act, and other similar laws that prohibit discrimination. More detailed Tufts policies and procedures on this topic may be found in the OEO page. Unlawful discrimination has no place at Tufts University and offends the University's core values which include a commitment to equal opportunity and inclusion. All Tufts employees, faculty members, students and community members are expected to join with and uphold this commitment. Any member of the Tufts University community has the right to raise concerns or make a complaint regarding discrimination under this policy without fear of retaliation. Any and all inquiries regarding the application of this statement and related policies may be referred to: Jill Zellmer, MSW, Director of the Office of Equal Opportunity, Title IX and 504 Coordinator, at 617.627.3298 at 196 Boston Avenue, 3rd floor, Medford, MA or at Jill.Zellmer@tufts.edu Anonymous complaints may also be made by reporting online at: tufts-oeo.ethicspoint.com As set forth in our policies, individuals may also file complaints with administrative agencies such as the U.S. Department of Education, Office for Civil Rights ("OCR"). The contact information for the local office of OCR is 617.289.0111 at Office for Civil Rights, Boston Office U.S. Department of Education, 8th Floor, 5 Post Office Square, Boston, MA 02109-3921. The email address for OCR is OCR.Boston@ed.gov. Please note that we also have a separate Non-Discrimination Policy.

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Contact Information

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

Contact Electrical and Computer Engineering
Electrical Engineering
Tufts University
161 College Ave
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Medford, MA 02155

Contact E-mail ece@tufts.edu