

Assistant and Associate Professor in Electrical and
Computer Engineering
University of Texas at Dallas

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Posted Sep. 13, 2024, set to expire Jan. 14, 2025

Job Title	Assistant and Associate Professor in Electrical and Computer Engineering
Department	Electrical and Computer Engineering Department https://ece.utdallas.edu/
Institution	University of Texas at Dallas Richardson, Texas
Date Posted	Sep. 13, 2024
Application Deadline	Until March 31, 2024
Position Start Date	Aug. 1, 2025
Job Categories	Assistant Professor Associate Professor
Academic Field(s)	Electrical and/or Electronics Computer Engineering
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Job Description	

Position Description

The [Department of Electrical and Computer Engineering](#) (ECE) in the Erik Jonsson School of Engineering and Computer Science at The University of Texas at Dallas (UT Dallas) invites applications for seven tenured/tenure-track faculty positions at the Associate or Assistant Professor ranks. The preference is for appointments at the rank of Assistant Professor.

Research in the ECE Department is divided into five broad areas: Semiconductor Devices, Circuits and

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Systems, Signals and Systems, Power and Energy Systems, and Computing Systems and Computer Engineering. This search focuses on semiconductor devices, computing systems, and computer engineering. We are interested in micro/nanoelectronics and semiconductor device research areas, including new device physics, emerging technologies, semiconductor manufacturing, packaging, and heterogeneous integration. In the computing-related area, we are interested in AI processors, AI architectures, computing at the edge, quantum computing architecture, and quantum communications. In addition, the search will consider exceptional candidates with research interests that belong to the Energy Science and Technology and Transportation Science and Technology thrusts of the five [critical research](#) thrusts of the Jonsson School. This search focuses on electrical and computer engineering aspects of the two thrusts mentioned above. Teaching responsibilities will include undergraduate and graduate-level courses in the core curriculum and the candidate's specialization area. In addition to teaching, the position requires an active research agenda, publication, and service in the UT Dallas and professional communities.

The appointment is expected to start in the fall 2025 semester.

Qualifications

Minimum Education and Experience: A PhD or equivalent in Electrical Engineering, Computer Engineering, or a related discipline is required before employment; those with all but dissertation (ABD) status will be considered at the application/interviewing stage. Candidates are expected to demonstrate the ability to work effectively in a highly collaborative, engaging, and dynamic environment comprised of individuals with a range of backgrounds, skills, and perspectives. We are seeking candidates able to produce research and scholarly or creative achievements that enhance the program and the discipline, and able to deliver high quality teaching using evidence-based practices to effectively engage students from a range of backgrounds and experiences.

The Department and School

UT Dallas's Department of Electrical and Computer Engineering was founded in 1986 and offers BS, MS, and PhD degrees. According to US News and World Report, the CE and EE graduate programs are ranked 50th and 59th among all universities, respectively. The programs are ranked 27th and 35th among all public universities. In Texas, ECE is ranked 3rd in its field. The department has over 900 undergraduate students, 400 graduate students, and 52 faculty. Our faculty is highly decorated with many NSF CAREER, DOE Early Career Research Program, YIP (ONR, AFOSR, DARPA), NSF, DoD,

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and industrial awards, averaging over \$15M of annual research expenditures. The proximity to the UT Southwestern Medical Center and joint graduate programs offers outstanding opportunities for collaborative research.

Application Instructions

Applicants should upload the following via the [online application](#):

- Full curriculum vitae and cover letter summarizing their interests and qualifications for the position.
- Statement of teaching philosophy describing their conceptualizations of teaching and learning, and teaching and assessment methods, and how their teaching practices will engage students from a range of backgrounds and experiences.
- Research statement describing past, present, and future research, including how they mentor (or will mentor) student researchers and foster (or will foster) collaborative research environments.
- A writing/publication sample (optional); and
- Complete contact information for at least three academic or professional references.

Priority will be given to completed applications received by October 30, 2024. Reviews will continue until the position is filled or the search is closed on March 31, 2024.

The University and Community

UT Dallas is a top public research university located in one of the nation's fastest-growing metropolitan regions. Our seven schools offer more than 140 undergraduate and graduate programs, plus professional certificates and fast-track programs. Our student body is 30,000 strong, reflecting students from over 100 countries and a multiplicity of identities and experiences. Over 65% of our undergraduate students receive some form of need- or merit-based financial aid; and 66% of graduating seniors have no student debt compared to 48% in Texas and 32% in the nation (2021 TICAS report).

UT Dallas is committed to graduating well-rounded members of the global community whose education has prepared them for rewarding lives and productive careers in a constantly changing world. A diversity of people, ideas, and perspectives is crucial to our vision and mission. UT Dallas is a place where members of the community from all backgrounds are welcomed, treated fairly, and encouraged



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in their pursuit of excellence.

The University has a variety of programs and initiatives to support engagement and success for all members of the campus community. Employee benefits include a range of physical and mental wellness resources. “LilyPad” lactation facilities are located throughout the campus. There are several Employee Resource Groups (ERGs) comprised of individuals who share common interests to help build community among UT Dallas faculty and staff (e.g., Universal Access ERG, Military and Veteran ERG, UT Dallas Young Professionals).

Rich with visual and performing arts venues, museum districts, professional and semi-professional athletics teams, botanical gardens, accessible trails and so much more, the Dallas-Fort Worth (DFW) metroplex has something for everyone to explore. UT Dallas partners with regional higher education institutions and school districts and with the [Richardson Innovation Quarter](#) (Richardson IQ), a major hub for innovation, entrepreneurship, and educational activities.

EEO/AA Policy

Equal Employment Opportunity/Affirmative Action

The University of Texas at Dallas is committed to providing an educational, living and working environment that is welcoming, respectful, and inclusive of all members of the university community. The University [prohibits unlawful discrimination](#) against a person because of their race, color, religion, sex (including pregnancy), sexual orientation, gender identity, gender expression, national origin, age, disability, genetic information, or veteran status.

The University of Texas at Dallas is an [equal opportunity/affirmative action](#) university.

Contact Information

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

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Contact Prof. Dinesh Bhatia, for Advertisement Related
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