

Assistant Professor/Associate Professor/Professor in
Electrical & Computer Engineering
University of Utah

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Posted Nov. 25, 2024, set to expire Mar. 26, 2025

Job Title	Assistant Professor/Associate Professor/Professor in Electrical & Computer Engineering
Department	Electrical and Computer Engineering Department http://ece.utah.edu
Institution	University of Utah Salt Lake City, Utah
Date Posted	Nov. 25, 2024
Application Deadline	Apr. 30, 2025
Position Start Date	Jul. 1, 2025
Job Categories	Assistant Professor Associate Professor Professor
Academic Field(s)	Human Factors Engineering/Ergonomics Electrical and/or Electronics Computer Engineering Bioengineering (all Bio-related fields) Engineering - Other Robotics
Apply Online Here	https://utah.peopleadmin.com/postings/173973
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Job Description	

The Department of Electrical and Computer Engineering at the University of Utah seeks candidates who can be world-class leaders in Robotics and/or Next-Generation Electronics or Human-Machine

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Interface/Bio-Robotics to fill one opening for a tenure-track Assistant Professor, although exceptional candidates will be considered at other ranks. We have established a world-leading effort in both robotics and semiconductor/MEMS and human-machine interface/bio-robotics and are focused on further strengthening these areas. Exceptional candidates with expertise in related areas, as well as outstanding candidates in any area, are encouraged to apply.

Candidates must have a demonstrated track record of high-impact research as evidenced by scholarly publications, and must exhibit strong potential (assistant rank) or an established record (associate rank) of extramural funding and teaching effectiveness. Applicants are expected to have a Ph.D. with research experience in robotics – hardware and software, or electronics—design, fabrication, packaging and testing, or closely aligned areas. Evidence should be provided of accomplishments and experiences that have prepared the applicant for diverse constituents in research, teaching and service. Candidates are expected to establish an independent extramurally supported research program, conduct collaborative research, be engaged in service activities, and teach electrical and computer engineering courses at the undergraduate and graduate levels.

Specific areas of interest include but are not limited to:

Robotics Focus

- Robot learning and artificial intelligence/machine learning
- Edge-computing and embedded systems
- Rehabilitative, assistive, and wearable robotics
- Haptics, augmented reality, virtual reality, interfaces, and human robot interaction
- Medical/surgical robots
- Milli-, micro-, and nano-robotics
- Mobile, aerial, and space robotics
- Multirobot systems and swarms
- Robotic manipulation

Wearable, Implantable, and Human-Centered Electronics Focus

- Resilient, radiation-hardened and fault-tolerant electronics
- Edge computing and IoT-specific semiconductors
- Advanced memory technologies
- Emerging chip architecture for AI and HPC
- Advanced chip packaging
- Quantum information processing devices and systems

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Candidates with interdisciplinary clinical, defense, or energy-related applications with records of strong extramural funding are especially encouraged to apply. Candidates with industrial experience are also highly encouraged to apply.

We seek individuals who demonstrate exceptional potential for or evidence of leading a high-impact, world-class funded research program training PhD students over decades. All candidates must have strong aptitude for effective teaching in core and specialized areas of our curriculum at the undergraduate and graduate levels. Faculty responsibilities include developing and maintaining an internationally recognized research program, effective classroom teaching at the undergraduate and graduate levels, and service within the University and within professional communities.

Applicants should apply online at <https://utah.peopleadmin.com/postings/173973> and include a CV, names and contact information for at least three professional references, a research statement, a teaching statement, and the cover letter. Applications will be reviewed upon receipt, and will be accepted until the position is filled, preferably in Spring 2025. Applicants must hold a PhD in ECE or a closely related discipline by the time of appointment.

The Department has been growing steadily in the past two decades, has a strong focus on world-class research, and currently has >40 faculty members and >115 doctoral students enrolled. Current ECE faculty members have founded or co-founded several successful companies; the University has been consistently ranked as one of the top schools for startup creation. The Department also has strong collaborations with the medical research community and industry. Additionally, the ECE Department is a part of the interdisciplinary Robotics Center, which provides access to additional research infrastructure and students pursuing robotics degrees/certificates. The Salt Lake City metro area is a global and diverse (by any social metric) metropolitan city with 1.2 million residents and an easy-access international airport. The metro area and state of Utah more broadly boast an outstanding quality of life, are comparatively affordable, and offer unparalleled access to world-class recreation and natural beauty. Come join us!

EEO/AA Policy



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All qualified individuals are strongly encouraged to apply. Veterans' preference is extended to qualified applicants, upon request and consistent with University policy and Utah state law. Upon request, reasonable accommodations in the application process will be provided to individuals with disabilities.

The University of Utah is an Affirmative Action/Equal Opportunity employer and does not discriminate based upon race, ethnicity, color, religion, national origin, age, disability, sex, sexual orientation, gender, gender identity, gender expression, pregnancy, pregnancy-related conditions, genetic information, or protected veteran's status. The University does not discriminate on the basis of sex in the education program or activity that it operates, as required by Title IX and 34

CFR part 106. The requirement not to discriminate in education programs or activities extends to admission and employment. Inquiries about the application of Title IX and its regulations may be referred to the Title IX Coordinator, to the Department of Education, Office for Civil Rights, or both.

To request a reasonable accommodation for a disability or if you or someone you know has experienced discrimination or sexual misconduct including sexual harassment, you may contact the Director/Title IX Coordinator in the Office of Equal Opportunity and Affirmative Action (OEO/AA). More information, including the Director/Title IX Coordinator's office address, electronic mail address, and telephone number can be located at: <https://www.utah.edu/nondiscrimination/>.

Online reports may be submitted at oeo.utah.edu.

Contact Information

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

Contact