

Assistant/Associate Professor, Computer
Engineering/Microelectronics
University of Connecticut

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Posted Sep. 25, 2024, set to expire Jan. 27, 2025

Job Title	Assistant/Associate Professor, Computer Engineering/Microelectronics
Department	Electrical & Computer Engineering https://www.ee.uconn.edu
Institution	University of Connecticut STORRS , Connecticut
Date Posted	Sep. 25, 2024
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Assistant Professor Associate Professor
Academic Field(s)	Electrical and/or Electronics Computer Engineering
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Job Description

The Electrical and Computer Engineering (ECE) Department at the University of Connecticut (UConn) solicits applications for a tenure-track faculty position at the Assistant or Associate level. The position has an expected start date of August 23, 2025, but January 2026 start dates will also be considered. The successful candidate will advance education and research in the Electrical and Computer Engineering Department with a particular emphasis on computer engineering and semiconductor devices. Research topics of interest include quantum science and technology, quantum devices and circuits, quantum sensing, electronic design automation, circuit design, and quantum computing.

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The successful candidate will be expected to develop and sustain an internationally recognized and externally funded research program. It is the expectation that the candidate must also share a deep commitment to effective instruction at the undergraduate and graduate levels, development of innovative courses, and mentoring of students in research, outreach, and professional development.

The successful candidate will also be expected to enhance inclusion and broaden participation among members of under-represented groups as demonstrated through their research, teaching, and/or public engagement; strengthen the richness of diversity in the learning experience; integrate multicultural experiences into instructional methods and research tools; and provide leadership in developing pedagogical techniques designed to meet the needs of diverse learning styles and intellectual interests.

The successful candidate will:

- Have a research focus on computer engineering, semiconductor devices, quantum sensing, or related fields.
- Contribute to the ECE department's academic, research, and outreach mission.
- Teach undergraduate and graduate courses that meet the curricular needs of the ECE department.
- Advise and mentor undergraduate and graduate students.
- Provide service and leadership to the University of Connecticut, to external academic and scientific communities, and to the public.

The ECE Department (<http://www.ee.uconn.edu>) is ABET accredited and ranks in the top 50 nationally according to the latest NRC rankings.

Founded in 1881, UConn is a Land Grant and Sea Grant institution and member of the Space Grant Consortium. It is the state's flagship institution of higher education and includes a main campus in Storrs, CT, four regional campuses throughout the state, and 13 Schools and Colleges, including a Law School in Hartford, and Medical and Dental Schools at the UConn Health campus in Farmington. The University has approximately 10,000 faculty and staff and 32,000 students, including nearly 24,000 undergraduates and over 8,000 graduate and professional students. UConn is a Carnegie Foundation R1 (highest research activity) institution, among the top 25 public universities in the nation. Through research, teaching, service, and outreach, UConn embraces diversity and cultivates leadership, integrity, and engaged citizenship in its students, faculty, staff, and alumni. UConn promotes the health and well-being of citizens by enhancing the social, economic, cultural, and natural environments of the state and beyond. The University serves as a beacon of academic and research excellence as well as a center for innovation and social service to communities. UConn is a leader in many scholarly,

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research, and innovation areas. Today, the path forward includes exciting opportunities and notable challenges. Record numbers of undergraduate applications and support for student success have enabled the University to become extraordinarily selective.

MINIMUM QUALIFICATIONS

1. Earned Ph.D. in Electrical Engineering, Computer Engineering, or related field; a proven record of excellence in teaching; demonstrated potential in establishing successful research and scholarship, and a demonstrated commitment to promoting diversity through their academic and research programs. Equivalent foreign degrees are acceptable.
2. Research credentials in Electrical and Computer Engineering, specifically computer engineering, semiconductor devices, quantum sensing, or related fields.
3. A background that provides preparation for teaching excellence in undergraduate and graduate courses in ECE.
4. Excellent written communication skills, as demonstrated in research and teaching plans.
5. Demonstrated success in original research, and publication of that work in archival journals.
6. Experience with oral presentations at national or international scientific meetings.
7. Candidates at the associate professor level should have established significant research programs with a track record of securing external funding as well as demonstration of a leadership role as the PI of research grants.
8. Enhance inclusion and broaden participation among members of under-represented groups as demonstrated through research, teaching, and/or public engagement; strengthen the richness of diversity in the learning experience; integrate multicultural experiences into instructional methods and research tools; and provide leadership in developing pedagogical techniques designed to meet the needs of diverse learning styles and intellectual interests.

PREFERRED QUALIFICATIONS

1. Expertise in Electrical Engineering and outstanding record of research and scholarship excellence; demonstration of effective teaching, integrating technology into instruction, and online instruction; contributions through research, teaching, and/or public engagement to the diversity and excellence of the learning experience.
2. Candidates at the assistant professor level should have experience writing or assisting with research proposals.
3. Research credentials that complement existing faculty expertise.
4. Experience in collaboration with industry.

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5. Strong verbal communication skills and interpersonal skills.

APPOINTMENT TERMS

This is a 9-month tenure-track position with an expected start date of August 23, 2025. The successful candidate's primary academic appointment will be at the Storrs campus with the possibility of work at UConn's regional campuses across the state. Salary and rank will be commensurate with qualifications.

TO APPLY

Please apply online at <https://hr.uconn.edu/jobs>, Faculty and Staff Positions, [Search # 498637](#) to upload:

- **A cover letter,**
- **Curriculum vitae,**
- A 3 – 5-page **Research Plan** (innovative concepts that will form the basis of academic career, experience in proposal development, mentorship of graduate students, etc.);
- A 2 – 3-page **Teaching Plan** (including teaching philosophy, teaching experience, commitment to effective learning, concepts for new course development, etc.);
- **Commitment to diversity statement** (including broadening participation, integrating multicultural experiences in instruction and research and pedagogical techniques to meet the needs of diverse learning styles, etc.);
- **Four (4) letters of reference.**

The evaluation of applicants will begin immediately. For more information regarding the Department of Electrical and Computer Engineering please visit the department website at <https://www.ee.uconn.edu/>

Please direct inquiries to Brandy Ciraldo (brandy.ciraldo@uconn.edu).

At the University of Connecticut, our commitment to excellence is complemented by our commitment to building a culturally diverse community.

Employment of the successful candidate is contingent upon the successful completion of a pre-employment criminal background check.

This position will be filled subject the budgetary approval.

All employees are subject to adherence to the State Code of Ethics which may be found at <http://www.ct.gov/ethics/site/default.asp>

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All members of the University of Connecticut are expected to exhibit appreciation of, and contribute to, an inclusive, respectful, and diverse environment for the University community.

EEO/AA Policy

The University of Connecticut aspires to create a community built on collaboration and belonging and has actively sought to create an inclusive culture within the workforce. The success of the University is dependent on the willingness of our diverse employee and student populations to share their rich perspectives and backgrounds in a respectful manner. This makes it essential for each member of our community to feel secure and welcomed and to thoroughly understand and believe that their ideas are respected by all. We strongly respect each individual employee's unique experiences and perspectives and encourage all members of the community to do the same. All applicants will receive consideration for employment without regard to race, color, religion, gender, gender identity or expression, sexual orientation, national origin, genetics, disability, age, or veteran status.

The University of Connecticut is an AA/EEO Employer.

Contact Information

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

Contact Brandy Ciraldo
Electrical & Computer Engineering
UConn - Elec and Comp Eng Attn: P. Douglas
371 Fairfield Way
Unit 4157
STORRS, CT 06269

Phone Number 8604861323



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