

Assistant or Associate Professor, Electrical and Computer
Engineering
University of Central Florida

Direct Link: <https://www.AcademicKeys.com/r?job=249923>

Downloaded On: Dec. 22, 2024 12:04am

Posted Dec. 4, 2024, set to expire Jun. 5, 2025

Job Title	Assistant or Associate Professor, Electrical and Computer Engineering
Department	Department of Computer and Electrical Engineering
Institution	University of Central Florida Orlando, Florida
Date Posted	Dec. 4, 2024
Application Deadline	Open until filled
Position Start Date	Aug. 8, 2025
Job Categories	Assistant Professor Associate Professor
Academic Field(s)	Electrical and/or Electronics Computer Engineering Robotics
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Job Description	

The Opportunity

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The Department of Electrical and Computer Engineering (ECE) at the University of Central Florida (UCF) invites applications for full-time, 9-month faculty positions at the rank of assistant professor (tenure-earning) or associate professor (tenured). Candidates across all areas of electrical and computer engineering will be considered with a particular emphasis on the following strategic fields:

1) Quantum Computing

We seek candidates whose research focuses on the design, modeling, and experimental implementation of quantum circuits and superconducting devices. Ideal applicants will drive innovation in areas such as quantum algorithms, qubit coherence, error correction, and scalable architectures for quantum processors. Expertise in superconducting digital electronics, cryogenic systems, and applications of superconductive logic to novel computing paradigms is especially valued. This position offers an exciting opportunity to join a dynamic team dedicated to advancing computing technology and fostering interdisciplinary collaborations that will shape the future of computing.

2) Circuits and Systems

We are seeking candidates with expertise across various areas of circuit design to enhance our existing strengths and foster collaboration with interdisciplinary teams at UCF. Priority areas include radiation-hardened integrated circuits (ICs), RF/microwave/Terahertz circuits and systems, and power electronics. This position offers a unique opportunity to drive advancements in IC technologies and to develop innovative circuits and systems that support critical missions and emerging applications.

3) Robotics and Autonomous Systems

We are looking for candidates whose research addresses key challenges in robotic perception, control, human-robot interaction, autonomous navigation, and machine learning for robotics. Applicants with expertise in developing robotic solutions for complex environments—such as healthcare, aerospace, and industrial automation—are particularly encouraged to apply. This position offers a unique opportunity to join our innovative robotics program, contribute to the growth of a new master's degree in robotics and autonomous systems, and collaborate with faculty across disciplines to drive impactful research and educational advancements in robotics.

Successful candidates will demonstrate research excellence through high-quality publications and a commitment to establishing a well-funded, sustainable research program. We are seeking collaborative team players who can further enhance our strong campus-wide research initiatives. Appointment rank will be commensurate with the candidate's experience and academic record.

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Minimum Qualifications:

- Doctoral degree from an accredited institution in electrical engineering, computer engineering, physics, or other closely related disciplines at the time of appointment. Applicants must have a strong research track record supported by quality publications.
- To be eligible for appointment as a tenured associate professor upon hire, the selected candidate must have a demonstrated record of teaching, research, and service commensurate with a tenured faculty appointment at the rank of associate professor.

Preferred Qualifications:

- Past work experience in a national lab and/or industry are desired.
- Demonstrated record of teaching/training experience is of interest.

Additional Application Materials Required:

UCF requires all applications and supporting documents be submitted electronically through the Human Resources employment opportunities website, <https://www.ucf.edu/jobs/>. In addition to the online application, candidates should upload a cover letter, a current curriculum vitae, and a list with contact information for three (3) professional references.

NOTE: Please have all documents ready when applying so they can be simultaneously uploaded. Once the online submission process is finalized, the system does not allow applicants to submit additional documents later.

The selected candidate will be required to submit official transcripts (and, as applicable, U.S. degree equivalency evaluations) documenting the conferral of their qualifying academic credentials.

Questions regarding this search should be directed to Xun Gong, Professor, at xun.gong@ucf.edu.

Special Instructions to the Applicants:

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N/A

Job Close Date:

Open until filled.

Note to applicants: Please keep in mind that a job posted as '*Open until filled*' may close at any time without notice. As such, we encourage you to submit your application and all required documentation as quickly as possible to ensure consideration for the posted position.

Are you ready to unleash YOUR potential?

As a next-generation public research university and Forbes-ranked top employer in Florida, we are a community of thinkers, doers, creators, innovators, healers, and leaders striving to create broader prosperity and help shape a better future. No matter what your role is, when you join Knight Nation, you'll play an integral role at one of the most impactful universities in the country. You'll be met with opportunities to connect and collaborate with talented faculty, staff, and students across 13 colleges and multiple campuses, engaging in impactful work that makes a positive difference. Your time at UCF will provide you with many meaningful opportunities to grow, you'll work alongside talented colleagues on complex projects that will challenge you and help you gain new skills and you'll have countless rewarding experiences that go well beyond a paycheck.

Working at UCF has its perks!?UCF offers:

- Benefit packages, including Medical, Dental, Vision, Life Insurance, Flexible Spending, and Employee Assistance Program.?
- Paid time off, including annual (12-month faculty) and sick time off and paid holidays.
- Retirement savings options.?
- Employee discounts, including tickets to many Orlando attractions.?
- Education assistance.
- Flexible work environment.?
- And more...For more benefits information, view the UCF Employee Benefits Guide [click here](#).

Unless explicitly stated on the job posting, it is UCF's expectation that an employee of UCF will reside in Florida as of the date the employment begins.

Additional Requirements related to Research Positions:

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Pursuant to Florida State Statute 1010.35, prior to offering employment to certain individuals in research-related positions, UCF is required to conduct additional screening. Applicants subject to additional screening include any citizen of a foreign country who is not a permanent resident of the U.S., or who is a citizen or permanent resident but is affiliated with or has had at least 1 year of education, employment, or training in China, Cuba, Iran, Russia, North Korea, Syria, or Venezuela.

The additional screening requirements only apply to research-related positions, including, but not limited to faculty, graduate positions, individuals compensated by research grants or contract funds, post-doctoral positions, undergraduate positions, visiting assistant professors, and visiting research associates.

Department

College of Engineering and Computer Science (CECS) - Electrical and Computer Engineering

Work Schedule

Varies

Type of Appointment

Regular

Expected Salary

Negotiable

Equal Employment Opportunity Statement:

The University of Central Florida is an Equal Opportunity/Affirmative Action Employer including Disabled/Vets. Click on [UCF's Equal Opportunity Statement](#) to view the President's Statement.

The UCF affirmative action plans for qualified individuals with disabilities and protected Veterans are available for inspection in the Office of Institutional Equity, Monday through Friday, from 9:00 a.m. to 5:00 p.m., upon request.

As a Florida public university, UCF makes all application materials and selection procedures available to the public upon request.



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The University of Central Florida is proud to be a smoke-free campus and an E-Verify employer.

EEO/AA Policy

UCF is an equal opportunity/affirmative action employer. All qualified applicants are encouraged to apply, including minorities, women, veterans and individuals with disabilities. As a Florida public university, UCF makes all application materials and selection procedures available to the public upon request.

Contact Information

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

Contact

University of Central Florida
Orlando, FL 32816