

Assistant Professor in Electrical and Computer
Engineering
New Jersey Institute of Technology (NJIT)

Direct Link: <https://www.AcademicKeys.com/r?job=247573>

Downloaded On: Oct. 28, 2024 6:20am

Posted Oct. 24, 2024, set to expire Feb. 15, 2025

Job Title	Assistant Professor in Electrical and Computer Engineering
Department	Electrical and Computer Engineering
Institution	New Jersey Institute of Technology (NJIT) Newark, New Jersey
Date Posted	Oct. 24, 2024
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Assistant Professor
Academic Field(s)	Electrical and/or Electronics Computer Engineering Computer Science
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Job Description

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Assistant Professor in Electrical and Computer Engineering

Department:

Electrical and Computer Engineering

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Reports To:

Chair, Electrical and Computer Engineering & Associate Provost

Position Type:

Faculty

Position Summary:

The Helen and John C. Hartmann Department of Electrical and Computer Engineering (ECE) at the New Jersey Institute of Technology (NJIT) invites applications for a tenure-track position at the Assistant Professor level in the areas of Intelligent Systems and Data Engineering, Computer Systems and Networking, Quantum Communication, Quantum Information Science, Robotics. However, suitable candidates in other areas such as cyber-physical systems; network intelligence/adaptability and artificial intelligence on edge; Neuromorphic Computing; low-power and high-performance deep learning hardware; security and hardware for artificial intelligence will also be considered.

ECE with 28 tenured/tenure-track faculty is a one of the most research active departments at NJIT with annual research expenditure exceeding \$5M. Research thrust areas include contemporary electrical and computer engineering, including photonics, nano and quantum materials and devices; communication, signal processing and machine intelligence; energy, power system and sustainability; computer systems and networking; robotics, intelligent systems, data engineering in addition to information theory, computer architecture, embedded systems, artificial intelligence, renewable energy, and bio-systems and are funded by NSF, USDOD, USDOE, USNIH, industry and private foundations, among others. The department offers bachelor, masters and doctoral programs serving about 800 students. ECE offers BS, MS and PhD in Electrical Engineering and in Computer Engineering.

Essential Functions:

- Candidates are expected to conduct and advance scholarly research in energy and control systems and computer systems and secure external research funding from federal and state agencies and industry.
- Candidates are also expected to teach undergraduate and graduate level courses in electrical and computer engineering as well as provide service to the program, department, university, and profession.

Additional Functions:

The envisioned research directions imply necessary experience and an ability to collaborate with inter- and multi- disciplinary researchers.

Prerequisite Qualifications:

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- Applicants are expected to have a doctorate in computer engineering, electrical engineering, computer science, or closely related field.
- Applicants should have evidence of high-quality scholarly achievement that demonstrates independent research, potential for securing of external research funding and a demonstrated commitment to excellence in undergraduate and graduate education.
- Industry experience and the ability to obtain professional licensure is desirable.
- Candidates must have the potential to establish an externally funded research program in her/his area of expertise.
- At the university's discretion, the education and experience prerequisites may be exempted where the candidate can demonstrate to the satisfaction of the university, an equivalent combination of education and experience specifically preparing the candidate for success in the position.

Bargaining Unit:

PSA

FLSA:

Exempt
Full-Time

Special Instructions to Applicants:

Rank and salary will be commensurate with qualifications and experience. Applications must include a curriculum vitae, teaching and research statements, cover letter and list of 3 professional references.

Questions may be directed to the department chairperson, Dr. Durga Misra at dmisra@njit.edu.

EEO Statement:

As an EEO employer, NJIT is committed to building a diverse and inclusive teaching, research, and working environment and strongly encourages applications from individuals with disabilities, minorities, veterans, and women.

Diversity Statement:

As a Minority Serving Institution with designations as an Asian American and Native American Pacific Islander Serving Institution (AANAPSI) and Hispanic Serving Institution (HSI), NJIT is committed to embracing diversity, centering equity, and practicing inclusion with the goal of sustaining a culture of belonging. NJIT celebrates the diversity of our university community and recognize the cultural and personal contributions each member of the community brings to NJIT. We strive to cultivate a campus culture that promotes inclusive excellence among our faculty, staff, students, and external partners.

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Sustaining and building upon our diverse community is critical to NJIT's continuing status as a premier research institution of higher education and a leading polytechnic university.

To apply, visit <https://njit.csod.com/ux/ats/careersite/1/home/requisition/7537?c=njit>

Contact Information

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

Contact

Electrical and Computer Engineering
New Jersey Institute of Technology (NJIT)

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