Assistant, Associate or Full Professor
University at Buffalo, The State University of New York

Job Title	Assistant, Associate or Full Professor
Department	Electrical Engineering
Institution	University at Buffalo, The State University of New York Buffalo, New York
Date Posted	Sep. 16, 2021
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Assistant Professor Associate Professor Professor
Academic Field(s)	Electrical and/or Electronics Computer Engineering
Job Website	https://www.ubjobs.buffalo.edu/postings/30637
Apply By Email	

Job Description

The Department of Electrical Engineering (EE) at University at Buffalo (UB) invites candidates to apply for the positions of Assistant Professor, Associate Professor or Full Professor. We are particularly interested in candidates who can demonstrate a history of successful, team-based, interaction with students, faculty, and staff from diverse backgrounds, especially underrepresented minorities, women, individuals with disabilities, and veterans. Successful candidates will be expected to teach at the graduate and undergraduate levels, mentor graduate students, advise students at all levels and maintain an active research program. For hiring at the level of Associate or Full Professor, candidates should have a commensurate record of scholarly accomplishments, teaching experience, and a sustained externally funded research program. Preference will be given to candidates for an Associate Professor or Full Professor position that can demonstrate a commitment to collaboration in their

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previous research program.

Applications are sought from candidates across all areas of electrical and computer engineering. Faculty within the Department of Electrical Engineering currently pursue research in three primary areas (electronics and photonics, networking and communications, and power and energy systems). A non-exhaustive list of topics of interest for hiring in these areas is as follows:

Electronics & Photonics: Quantum and classical devices for advanced communications/sensing/computing; circuits and systems (including emerging computer architectures, and digital, analog and RF circuit design); and sustainability technology (energy harvesting and conversion).

Networking and communications: Communication and networking theory (coding theory, classical and quantum information theory, coding for storage, statistical signal processing, communications and networking security, and emerging communication technologies); applied AI and machine learning; and emerging communication and networking systems (including IoT, sensor networks, and embedded systems).

Power and Energy Systems: Power systems and smart grids; electric machines and motors; photovoltaics and energy conversion (including new photovoltaic systems and batteries, and electronics for future vehicles).

The Department of Electrical Engineering occupies a green building with state-of-the-art laboratory facilities and academic spaces designed to support collaboration among faculty and student groups within the department, across the university, and with other institutions. The Department of Electrical Engineering has vibrant research programs in electronics, optics and photonics, communications, networking, signal processing and energy systems. Particular areas of excellence include 2D materials and devices, nanoelectronic and nanophotonic materials and devices, metamaterials and structured light, terahertz electronics and communications, wireless communications in extreme environments (underwater, underground, intra-body), cognitive radio and dynamic spectrum access, Internet of Things, big data and machine learning, smart grids and power electronics. Interdisciplinary work is strongly supported and encouraged. More information about the Department can be found at: http://engineering.buffalo.edu/ee.htmlDepartment of Electrical Engineering - University at Buffalo.

A member of the prestigious American Association of Universities, UB is the largest and most comprehensive university in The State University of New York (SUNY) system, with about 22,000 undergraduates and 10,000 graduate students and 1600 fulltime faculty. The School of Engineering and Applied Sciences has 7,300 students enrolled across 9 academic departments.

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Buffalo is a city with a rapidly growing economy, eclectic neighborhoods, world-class art galleries and museums, a vibrant theater and music community, the Lake Erie waterfront, a city-wide system of parks designed by renowned landscape architect Frederick Law Olmsted, and major and minor league sports teams. The awe-inspiring Niagara Falls is just 20 minutes away. The department is located on the UB North Campus in suburban Amherst, an area that combines outstanding public schools and services with a surprisingly low cost-of-living.

The University at Buffalo is an affirmative action/equal opportunity employer (AA/EOE). Note: This tagline is required per the UB Recruitment Policy and normally added by UB-HRS. Accordingly, preference will be given to candidates who have proven their ability to operate in a diverse community of students, faculty and staff, and who share our vision of helping all constituents reach their full potential.

Contact Information

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

Contact

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