

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

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Posted Oct. 6, 2023, set to expire Aug. 4, 2024

Job Title	Assistant, Associate, Full Professor, Electrical Engineering
Department	Electrical Engineering
Institution	University at Buffalo, The State University of New York Buffalo, New York
Date Posted	Oct. 6, 2023
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Assistant Professor Associate Professor Professor
Academic Field(s)	Electrical and/or Electronics
Job Website	https://www.ubjobs.buffalo.edu/postings/45703
Apply By Email	

Job Description

The [Department of Electrical Engineering \(EE\)](#) at the 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

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Associate Professor or Full Professor position that can demonstrate a commitment to collaboration in their previous research program.

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). Applications are especially sought from candidates with expertise in the following areas:

- Power systems and smart grids (grid economics and optimization, data analytics, cyber-physical security and resiliency, signal processing for power systems)
- Electric machines and motors (electric machine design, machine modeling and control)
- Photovoltaics and energy conversion (including new photovoltaic technologies and batteries, and electronics for future vehicles)
- 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
- Emerging communication and networking systems (including IoT, sensor networks, and embedded systems, satellite networks, airborne networks, 6G and beyond)
- FPGA/MPSoC/RFSoc design for wireless systems

Outstanding Benefits Package

Working at UB comes with benefits that exceed salary alone. There are personal rewards including comprehensive health and retirement plan options. We also focus on creating and sustaining a healthy mix of work, personal and academic pursuit - all in an effort to support your work-life effectiveness. Visit our benefits website to learn about our [benefit packages](#).

About the Department

The department 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, widebandgap and ultrawidebandgap devices, nanoelectronic, nanophotonic materials and devices, terahertz electronics and communications, wireless communications, cognitive radio and dynamic spectrum access, Internet of Things, big data and machine learning, smart grids and power electronics. Interdisciplinary work within this environment is strongly supported and encouraged.

About The University at Buffalo

The University at Buffalo (UB) #ubuffalo is one of America's leading public research universities and a flagship of the State University of New York system, recognized for our excellence and our impact. UB is a premier, research-intensive public university dedicated to academic excellence. Our research,

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creative activity and people positively impact the world. Like the city we call home, UB is distinguished by a culture of resilient optimism, resourceful thinking and pragmatic dreaming that enables us to reach others every day. Visit our website to learn more about the [University at Buffalo](https://www.AcademicKeys.com/r?job=223077).

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.

About Buffalo

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.

University at Buffalo is an affirmative action/equal opportunity employer and, in keeping with our commitment, welcomes all to apply including veterans and individuals with disabilities.

Contact Information

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

Contact

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