

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

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Posted Sep. 24, 2019, set to expire Jan. 24, 2020

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. 24, 2019
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Assistant Professor Associate Professor Professor
Academic Field(s)	Electrical and/or Electronics
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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 looking for candidates who can operate effectively in a team environment and in a diverse community of students and faculty and share our vision of helping all constituents reach their full potential.

The successful candidate will be expected to teach courses at the graduate and undergraduate levels, mentor graduate students, advise students at all levels and maintain an active research program. The successful candidate for an Associate Professor or Full Professor position should have a 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 previous research program.

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Desirable areas of research expertise are any that complement the existing research strengths in the department but are not limited to, one or more of the following: (1) Communications, signal processing, and networking including but not limited to wireless communications, software-defined networking, network optimization, signal processing, information theory, coding theory and data analytics; (2) Fundamental and applied photonics including quantum optical phenomena, artificial intelligence assisted photonics, energy harvesting and conversion technologies, new photonics component for future internet of things and integrated optical systems for applications such as biomedical wearable devices; and (3) Quantum electronics including experimental and/or theoretical efforts in quantum computing, nontraditional circuits and architectures, emergent approaches to post-CMOS technology, quantum and multifunctional materials, 2D nano-electronics and nanoscale sensors.

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/electrical.html>

The University at Buffalo (UB), a member of the prestigious American Association of Universities, is the largest and most comprehensive university in The State University of New York (SUNY) system, with about 20,000 undergraduates and 10,000 graduate students and 1600 fulltime faculty. The School of Engineering and Applied Sciences has 6,000 students enrolled across 9 academic departments.

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.



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Contact Information

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

Contact

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