

Empire Innovation Professor, Electrical Engineering
University at Buffalo, The State University of New York

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Posted Oct. 23, 2024, set to expire Aug. 4, 2025

Job Title	Empire Innovation Professor, Electrical Engineering
Department	Electrical Engineering
Institution	University at Buffalo, The State University of New York Buffalo, New York
Date Posted	Oct. 23, 2024
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Visiting Professor Professor
Academic Field(s)	Electrical and/or Electronics
Job Website	https://www.ubjobs.buffalo.edu/postings/53631
Apply By Email	

Job Description

The [Department of Electrical Engineering \(EE\)](#) at University at Buffalo invites candidates to apply for a faculty position as **Full Professor** to be known as **Professor of Empire Innovation**. Highly qualified candidates at the Associate Professor level are also strongly encouraged to apply. Selected candidates will receive support through the SUNY Empire Innovation Program (EIP) which recognizes high caliber faculty with proven track records of externally funded research. We invite applications from prominent leaders in areas of microelectronics circuits.

Research topics of interest include, but are not limited to:

- Low-power logic and memory devices and circuits
- Non-CMOS based low-power circuit design

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- AI hardware designs
- High-frequency, RF and THz (mm wave) circuit design
- Power-management IC design
- Analog and mixed signal circuit design
- Quantum and classical sensing technology
- Emergent electronic devices for low-power and/or non-volatile applications

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. The School of Engineering and Applied Sciences has 7,300 students enrolled across 9 academic departments. The recent establishment of RENEW, a multidisciplinary institute for Research and Education in in eEnergy, Environment and Water.

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, 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](#).

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



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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