

Assistant Professor, Simons Empire Faculty Fellow,  
Electrical Engineering  
University at Buffalo

Direct Link: <https://www.AcademicKeys.com/r?job=264194>

Downloaded On: Oct. 22, 2025 8:08am

Posted Oct. 21, 2025, set to expire Aug. 4, 2026

|                             |                                                                              |
|-----------------------------|------------------------------------------------------------------------------|
| <b>Job Title</b>            | Assistant Professor, Simons Empire Faculty Fellow,<br>Electrical Engineering |
| <b>Department</b>           | Electrical Engineering                                                       |
| <b>Institution</b>          | University at Buffalo<br>Buffalo, New York                                   |
| <b>Date Posted</b>          | Oct. 21, 2025                                                                |
| <b>Application Deadline</b> | 10/20/2026                                                                   |
| <b>Position Start Date</b>  | Available immediately                                                        |
| <b>Job Categories</b>       | Assistant Professor                                                          |
| <b>Academic Field(s)</b>    | Electrical and/or Electronics                                                |
| <b>Apply Online Here</b>    | <a href="https://apptrkr.com/6658200">https://apptrkr.com/6658200</a>        |

**Apply By Email**

**Job Description**

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**Assistant Professor, Simons Empire Faculty Fellow, Electrical Engineering**

**Position Information**

**Position Title:** Assistant Professor, Simons Empire Faculty Fellow, Electrical Engineering

**Department:** Electrical Engineering

**Posting Link:** <https://www.ubjobs.buffalo.edu/postings/59563>

**Posting Detail Information**

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## Position Summary

The [Department of Electrical Engineering](#) (EE) at the University at Buffalo (UB), The State University of New York (SUNY), invites candidates to apply for an **Assistant Professor** faculty position as a Simons Empire Faculty Fellow. The successful candidate is expected to build a strong research and educational program that exemplifies a commitment towards team research, generates impactful research publications, attracts significant public and private research funding, and that demonstrates a dedication to effective teaching.

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

- Quantum sensing based upon different physical realizations of entangled states
- Next-generation atomic clocks
- Quantum magnetometry
- Gravitational and inertial sensing
- Quantum sensors for biomedical applications
- Integration and miniaturization of quantum devices and circuits
- Error correction and noise mitigation
- Fundamental physics tests

The [School of Engineering and Applied Sciences](#) (SEAS) has strong professional development and career mentoring programs which will immediately provide the successful candidate with a supportive environment. This candidate will also benefit from collaboration with existing faculty across the College of Arts and Sciences and SEAS with established expertise in Quantum Information Science and Technology (QIST).

## About the Department

The EE 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. EE is one of nine departments in the School of Engineering and Applied Sciences, which is committed to research innovation, student support, and a culture of equity

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and inclusion for students, staff, and faculty. Learn more on our department website.

### 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.

### Learn more:

- Our [benefits](#), where we prioritize your well-being and success to enhance every aspect of your life.
- Being a part of the [University at Buffalo community](#).

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.

### Minimum Qualifications

Applicants must have a doctorate degree in Electrical Engineering, Physics, or a closely related field. Ph.D. must be completed by start of appointment, or evidence presented that all requirements for degree conferral have been met.

### Preferred Qualifications

### Physical Demands

### Salary Range

Commensurate with Experience

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**Job Type**

Full-Time

**Special Instructions Summary**

The purpose of the educational equity statement is to help the committee understand how you'll contribute to our efforts to build a more equitable and inclusive learning and working environment.

Describe the ways you integrate equity, inclusion or accessibility into your teaching, research and service spaces.

Consider including:

- experiences you have had working across different student and colleague groups;
- strategies you use to account for diversity and difference in your professional work;
- teaching activities that highlight inclusive pedagogy;
- and/or key definitions or philosophical frameworks that inform your approach.

Explain ways you imagine integrating these approaches into your work at UB.

**Is a background check required for this posting?**

No

**Contact Information**

**Contact's Name:** Nicholas Mastronarde

**Contact's Pronouns:**

**Contact's Title:** Department Chair

**Contact's Email:** eiliadou@buffalo.edu

**Contact's Phone:** 716-645-1044

**Posting Dates**

**Posted:**

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**Deadline for Applicants:** Open Until Filled

**Date to be filled:** 09/01/2026

### Contact Information

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

### Contact

N/A

University at Buffalo

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