

Assistant or Associate Professor of Electrical and
Computer Engineering
Boise State University

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Posted Sep. 29, 2022, set to expire Jan. 31, 2023

Job Title	Assistant or Associate Professor of Electrical and Computer Engineering
Department	Electrical & Computer Engineering https://www.boisestate.edu/coen-ece/
Institution	Boise State University Boise, Idaho
Date Posted	Sep. 29, 2022
Application Deadline	Open until Filled, review to begin 11/1/22
Position Start Date	Fall 2023
Job Categories	Assistant Professor Associate Professor
Academic Field(s)	Electrical and/or Electronics Computer Engineering
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Job Description	

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The [Department of Electrical and Computer Engineering](#) at Boise State University is hiring multiple tenure-track positions at the Assistant or Associate Professor levels. Preferred areas of specialization are described below, but should encompass semiconductor device processing and fabrication, semiconductor device physics, integrated circuit design, and/or computer systems engineering with emphasis in cyber-physical systems, cybersecurity, or emerging computing architectures. Additional expectations include excellence in teaching and instruction, supervision and mentorship of graduate and undergraduate students, and service to the community and profession.

Candidates applying in the area of **semiconductor devices** should have experience with any combination of fabrication, characterization, or simulation of new logic or memory device technologies using novel materials and structures. Planned use of the Idaho Microfabrication Laboratory (IML) for device and circuit fabrication and obtaining external funding that supports research in the IML is a plus.

Candidates in the area of **integrated circuit design** should have experience with chip design, validation, and tapeout using advanced foundry nodes. Applications for these circuits could span many areas including cybersecurity, novel computing architectures, biomedical engineering, etc., but some experience with design automation is a plus.

Candidates in the area of **computer systems engineering** should have experience with cyber-physical systems, embedded systems, and how to secure systems through cyber-informed engineering. Other focus areas could include emerging hardware and computer architectures such as neuromorphic systems, systems-on-chip, or processing-in-memory systems.

The Department of Electrical and Computer Engineering is part of the vibrant [College of Engineering](#), which is ranked in the top 150 colleges by US News & World Report for both undergraduate and graduate programs. The College offers a variety of accredited programs and receives a high level of support from industry in Idaho and the intermountain west. Our vision is to be a leading student success-driven college recognized for teaching and scholarship with statewide and global impact.

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[Boise State University](#) is the largest public university in Idaho with enrollment of more than 24,000 students. It is classified by the Carnegie Foundation as a Doctoral University with High Research Activity. Boise State is located in Idaho's capital city and largest metropolitan area, which serves as the government, business, high-tech, economic, and cultural center of the state. In addition to close proximity to vast outdoor recreation, the Boise metropolitan area has a thriving, diverse economy, a booming cultural scene, and quality health care. To further enhance the superb quality of life Boise offers, Boise State has committed to sustaining the conditions necessary for faculty to enter and thrive in their academic careers while meeting personal and family responsibilities. Boise State and the ECE Department are also committed to an inclusive, equitable, and diverse cultural environment that is in accordance with regional populations and the broader engineering workforce.

Minimum Requirements: A PhD in Electrical and/or Computer Engineering, or closely related field.

Salary and Benefits: Boise State offers competitive salary and excellent benefits. Minimum 9-month salary at the assistant professor level is set at \$100k. More information on benefits can be found at <http://hrs.boisestate.edu/careers/benefits/>. Startup packages are commensurate with experience and expected research needs. Reduced course loads are offered based on scholarly activity.

To Apply: [Qualified applicants should apply and submit required materials through our careers site](#). Application materials should include a cover letter, CV, statements of teaching and research interests (1-3 pages each), and contact information for at least three professional references. Review of applications will begin **November 1st, 2022** and continue until a qualified pool has been identified.

EEO/AA Policy

Boise State University is strongly committed to achieving excellence through cultural diversity. The University actively encourages applications and nominations of women, persons of color, and members of other underrepresented groups. EEO/AA Institution, Veterans preference. Please go to <http://hrs.boisestate.edu/resources/eoaa/> for more information.

Contact Information

Please reference Academickeys in your cover letter when

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applying for or inquiring about this job announcement.

Contact Kristen Martin
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