

Assistant Professor
Louisiana State University, Baton Rouge

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Posted Oct. 25, 2024, set to expire Feb. 26, 2025

Job Title	Assistant Professor
Department	Electrical & Computer Engineering https://www.lsu.edu/eng/ece/
Institution	Louisiana State University, Baton Rouge Baton Rouge, Louisiana
Date Posted	Oct. 25, 2024
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Assistant Professor
Academic Field(s)	Computer Engineering Computer Engineering Computer Engineering Computer Engineering Electrical and/or Electronics Computer Engineering Computer Engineering Electrical and/or Electronics Electrical and/or Electronics Electrical and/or Electronics Electrical and/or Electronics Electrical and/or Electronics Electrical and/or Electronics
Job Website	https://lsu.wd1.myworkdayjobs.com/en-US/LSU/details/Assistant-Professor_R00099797-1?q=R00099797

Apply By Email

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Job Description

The Division of Electrical & Computer Engineering (ECE) (<https://www.lsu.edu/eng/ece/>) in the School of Electrical Engineering & Computer Science at Louisiana State University, Baton Rouge, seeks outstanding candidates with expertise in low-level cybersecurity and embedded systems areas for a tenure-track position at the rank of Assistant Professor starting August 2023. While the priority is in the areas described here, candidates with expertise in closely related areas will also be considered.

ECE and the Division of Computer Science are conducting a separate search for a cybersecurity Assistant Professor position. Candidates with low-level cybersecurity expertise are encouraged to apply to both positions.

For the purposes of this search low-level cybersecurity refers to vulnerabilities (and defenses) due to flaws or oversights in processor (CPU, GPU, etc.) instruction sets, memory hierarchies, and supporting hardware, and to hardware to accelerate or enable secure and trusted computing and communication. Vulnerabilities include code injection attacks, speculative execution and other types of side-channel and micro-architectural attacks, and supply-chain attacks. Acceleration and enabling hardware includes computing enclaves, encrypted computation, encrypted memory, and encryption accelerators.

The division also seeks candidates working in embedded systems of all sizes, including cyber-physical systems, IoT, and AIoT. Preference will be given to those with some expertise in defense applications and doing work with a security component.

Louisiana State University is Louisiana's Flagship University and is committed to academic excellence. We are located in Baton Rouge, a small affordable city about an hour away from New Orleans.

Faculty have access to several large computing clusters which are regularly upgraded, visit hpc.lsu.edu for more information. The division includes multiple computer labs for graduate and undergraduate student use, including H100 and RTX 4090 systems.

Our division is dedicated to the goal of building a culturally diverse and pluralistic faculty, and we strongly encourage applications from members of groups underrepresented in electrical and computer engineering. Additionally, we seek candidates whose research, teaching, or service has prepared them to contribute to diversity and inclusion in higher education. Candidates should include a statement describing how they will develop courses that promote an inclusive learning environment, and how their scholarship and mentoring practices support a diverse academic community.

Duties of the position include establishing a vigorous, externally funded research program, publishing in highly ranked journals and conference proceedings, supervising graduate students, advising undergraduate and graduate students, teaching at the undergraduate and graduate levels, participation

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in University service, including committee activities, and maintaining professional standards and level of competence.

Required Qualifications: Ph.D. in Computer Engineering or a closely related field. Candidates who have satisfied all other doctoral requirements but dissertation submission and will complete their Ph.D. by time of employment will also be considered. The candidate must have demonstrated potential for excellence in teaching, conducting research, and the ability to attract funded sponsorship.

Salary will be commensurate with qualifications and experience. An offer of employment is contingent on a satisfactory pre-employment background check. Applications are being reviewed as submitted and will continue until a candidate is selected.

Contact Information

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

Contact