

Assistant Professor - Computer Engineering - Hardware -  
Level Cybersecurity Embedded Systems  
Louisiana State University and Agricultural and  
Mechanical College

Direct Link: <https://www.AcademicKeys.com/r?job=229988>

Downloaded On: May. 9, 2024 8:55am

Posted Feb. 1, 2024, set to expire Jun. 24, 2024

<b>Job Title</b>	Assistant Professor - Computer Engineering - Hardware - Level Cybersecurity Embedded Systems
<b>Department</b>	Division of Electrical and Computer Engineering <a href="https://www.lsu.edu/eng/ece/about/index.php">https://www.lsu.edu/eng/ece/about/index.php</a>
<b>Institution</b>	Louisiana State University and Agricultural and Mechanical College Baton Rouge, Louisiana
<b>Date Posted</b>	Feb. 1, 2024
<b>Application Deadline</b>	Until Filled
<b>Position Start Date</b>	Aug. 15, 2024
<b>Job Categories</b>	Assistant Professor
<b>Academic Field(s)</b>	Computer Engineering Computer Science
<b>Apply Online Here</b>	<a href="https://lsu.wd1.myworkdayjobs.com/LSU/job/3325-Patrick-F-Taylor-Hall/Assistant-Professor_R00088113">https://lsu.wd1.myworkdayjobs.com/LSU/job/3325-Patrick-F-Taylor-Hall/Assistant-Professor_R00088113</a>
<b>Apply By Email</b>	
<b>Job Description</b>	

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[The Division of Electrical & Computer Engineering \(ECE\)](#) 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 2024. 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 <https://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.

**Responsibilities:**

50%: Establishing a vigorous, externally funded research program; publishing in highly ranked journals and conference proceedings; supervising graduate students. Participate in University service, including committee activities.

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50%:Teachingat the graduate and undergraduate levels in area of candidate's specialization in the field of electrical and computer engineering. Supervising teaching/research assistants and advising students. Maintain professional standards and level of competence.

Salary will be commensurate with qualifications and experience. An offer of employment is contingent on a satisfactory pre-employment background check and submission of official transcripts. Applications are being reviewed as submitted and will continue until a candidate is selected. Questions regarding this position or its salary should be directed to the Electrical & Computer Engineering chair, Dr. Jerry Trahan (jtrahan@lsu.edu).

Applications should include a curriculum vitae, statement of research and names of at least 3 references

**EEO/AA Policy**

LSU IS COMMITTED TO DIVERSITY AND IS AN EQUAL OPPORTUNITY/EQUAL ACCESS EMPLOYER

**Contact Information**

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

**Contact** Jerry Trahan  
Division of Electrical and Computer Engineering  
Louisiana State University and Agricultural and  
Mechanical College  
Baton Rouge, LA

**Contact E-mail** jtrahan@lsu.edu