San José State University - San José, California

POSITION ANNOUNCEMENT

Subject to Budgetary Approval

**Department:** Electrical Engineering

**Specialization:** Digital/Embedded Systems

**Rank:** Assistant Professor (Tenure Track)

**Job ID (JOID):** 25113

**Qualifications:**

An applicant must have a Ph.D. in Electrical and/or Computer Engineering. Background and research experience in embedded systems, heterogeneous computing, hardware acceleration, hardware/software/firmware co-design in mobile computing and robotic applications are required. Academic and industry experience in embedded systems in mobile computing and robotic applications is highly desirable.

Applicants should demonstrate an awareness of and sensitivity to the educational goals of a multicultural population as might have been gained in cross-cultural study, training, teaching and other comparable experience.

**Responsibilities:**

The selected candidate will teach undergraduate and graduate Electrical Engineering courses and provide leadership in developing a modern curriculum in computer architectures, microprocessors, and embedded systems with mobile computing and robotic applications. Conduct and guide original research in real-time embedded systems, hardware accelerators, heterogeneous computing, and hardware/software/firmware co-design. Develop laboratories to support teaching and research efforts. Seek external partnership and collaboration with Silicon Valley and beyond. Work collaboratively with other faculty to integrate the embedded systems with other related areas and applications such as machine learning, artificial intelligence, internet of things, autonomous vehicles, signal processing, networking and communication. Participate in shared governance, usually in department, college, and university committee and other service assignments.

Candidate must demonstrate awareness and experience understanding the needs of a student population of great diversity – in age, cultural background, ethnicity, primary language and academic preparation – through inclusive course materials, teaching strategies and advisement.

For information about Electrical Engineering Department at San José State University, please visit our website at [https://ee.sjsu.edu/](https://ee.sjsu.edu/)

**Salary Range:** Commensurate with qualifications and experience.

**Starting Date:** August 13, 2020

**Eligibility:** Employment is contingent upon proof of eligibility to work in the United States.

**Application Procedure:**

For full consideration, please upload (1) a letter of application, (2) curriculum vitae, (3) statement of teaching interests/philosophy, (4) research plans, (5) a diversity statement regarding specific initiatives, strategies, activities that have been accomplished and/or plan to accomplish to advance diversity, equity, and/or inclusion, and (6) at least three original letters of reference with contact information by **January 20, 2020** to [https://apply.interfolio.com/67278](https://apply.interfolio.com/67278).

Inquiries may be directed to: Department or Search Committee Chair – **Thuy.Le@sjsu.edu**

Please include Job Opening ID (JOID) on all correspondence.
San José State University enrolls over 33,000 students, a significant percentage of whom are members of minority groups. As such, this position is for scholars interested in a career at a national leader in graduating URM students. SJSU is a Hispanic Serving Institution (HSI) and Asian American and Native American Pacific Islander (AANAPISI) Serving Institution; 40% of our students are first-generation, and 38% are Pell-qualified. The university is currently ranked fifth nationally in increasing student upward mobility. The University is committed to increasing the diversity of its faculty so our disciplines, students, and the community can benefit from multiple ethnic and gender perspectives.

San José State University is California’s oldest institution of public higher learning. Located in downtown San José (Pop. 1,000,000) in the heart of Silicon Valley, SJSU is part of one of the most innovative regions in the world. As Silicon Valley’s public university, SJSU combines dynamic teaching, research, and university-industry experiences to prepare students to address the biggest problems facing society. SJSU is a member of the 23-campus California State University (CSU) system.

San José State University is an Affirmative Action/Equal Opportunity Employer. We consider qualified applicants for employment without regard to race, color, religion, national origin, age, gender, gender identity/expression, sexual orientation, genetic information, medical condition, marital status, veteran status, or disability. This policy applies to all San José State University students, faculty, and staff as well as University programs and activities. Reasonable accommodations are made for applicants with disabilities who self-disclose. Note that all San José State University employees are considered mandated reporters under the California Child Abuse and Neglect Reporting Act and are required to comply with the requirements set forth in CSU Executive Order 1083 as a condition of employment.

A background check (including a criminal records check) must be completed satisfactorily before any candidate can be offered a position with the CSU. Failure to satisfactorily complete the background check may affect the application status of applicants or continued employment of current CSU employees who apply for the position.

The latest San José State University Safety 101 Uniform Campus Crime and Security Report is available. You may request a copy of San José State University’s annual safety report by contacting the University Police Department at (408) 924-2222 or by visiting the University Police Department website at http://www.sjsu.edu/police.