

San José State University

San José, California

ANNOUNCEMENT OF POSITION AVAILABILITY

Subject to Budgetary Approval

Electrical Engineering

Specialization: Device Physics/Analog Electronics

Job Opening ID (JOID): 24276

Rank: Assistant Professor (Tenure Track)

Qualifications:

An applicant must have a Ph.D. in Electrical and/or Computer Engineering by the appointment start date. Background and research experience in analog circuits, VLSI and ASIC design, mixed-signal integrated circuit design, sensor technologies and sensor interfaces, data converters, biomedical devices, microelectronics, and nanotechnology is preferred. Academic and industry experience in the areas described above with applications to cybersecurity and Internet of Things is desirable. Applicants should demonstrate awareness of and sensitivity to 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 the analog circuits, analog and mixed-signal integrated circuits, VLSI and ASIC design, and device physics. Conduct and guide original research in mixed-signal integrated circuit design, sensor technologies and sensor interfaces, data converters, biomedical devices, microelectronics, and nanotechnology. 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 analog and mixed-signal integrated circuits, sensor interfaces, data converters with other related areas such as wireless communication and networking, digital signal processing, system-on-chip. Candidate must address the needs of a student population of great diversity – in age, cultural background, ethnicity, primary language and academic preparation – through course materials, teaching strategies and advisement.

Salary Range:

Commensurate with qualifications and experience.

Starting Date: August 17, 2018

Eligibility:

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

Application Procedure:

For full consideration, send a letter of application, curriculum vitae, statement of teaching interests/ philosophy, research plans, and three confidential letters of recommendation with contact information by January 22, 2018 to apply.interfolio.com/45596

Please include Job Opening ID (JOID) on all correspondence.

San José State University is California's oldest institution of public higher learning. The campus is located on the southern end of San Francisco Bay in downtown San José (Pop. 1,000,000), hub of the world-famous Silicon Valley high-technology research and development center. Many of California's most popular national, recreational, and cultural attractions are conveniently close. A member of the 23-campus CSU system, San José State University enrolls approximately 30,000 students, a significant percentage of whom are members of minority groups. 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 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](http://www.sjsu.edu/police) website at (<http://www.sjsu.edu/police>.)