UNIVERSITY OF CALIFORNIA SANTA CRUZ

UNIVERSITY OF CALIFORNIA, SANTA CRUZ
Electrical and Computer Engineering
Assistant Professor (Signals and Systems)

The Department of Electrical and Computer Engineering https://www.soe.ucsc.edu/departments/electrical-computer-engineering at the University of California, Santa Cruz invites applications for a tenure track Assistant Professor in Signals and Systems. We seek outstanding applicants who have demonstrated research and teaching expertise in the general areas of signal processing and communications, including but not limited to: wireless communications, communications for IoT, vehicle-to-vehicle communications, and machine learning applications in communication systems, physical-layer security, and signal processing for biology and bioinformatics related applications including bio instrument data readout signal processing. The successful candidate is expected to develop an externally funded research program, advise and support graduate students in their research area, develop and teach courses within the undergraduate and graduate curriculum, perform university, public, and professional service, and work with students, faculty, and staff from a wide range of social and cultural backgrounds.

The Electrical and Computer Engineering department strives to support a creative and forward-looking research program with faculties collaborating in many areas of Electrical and Computer Engineering and beyond. The department houses BS (ABET accredited), MS, and PhD degree programs in Electrical and Computer Engineering and the BS degree program in Robotics Engineering. Our faculty includes six IEEE fellows, two AAAS fellows, two OSA fellows, and one ACM fellow. UCSC is home to many centers and research institutes including the UCSC Genomics Institute (https://hausslergenomics.ucsc.edu), the W.M. Keck Center for Nanoscale Optofluidics (http://cfno.soe.ucsc.edu), the Center for Molecular Biology of RNA (http://rna.ucsc.edu/rnacenter/), and the Cyber-Physical Systems Research Center (https://cps.soe.ucsc.edu).

UC Santa Cruz values diversity, equity, and inclusion and is committed to hiring faculty who share these values. To be considered, candidates must demonstrate an understanding of the barriers facing women and underrepresented minorities, and describe their experience and future plans to promote equity and inclusion in teaching, mentoring, and research. Financial and in-kind resources will be made available to faculty who promote equity and inclusion at UC Santa Cruz, and their work will be recognized as important university service during the faculty promotion process.

The UC Santa Cruz campus is located approximately 75 miles from San Francisco and 35 miles from the heart of Silicon Valley. The campus comprises two thousand acres of forested hills overlooking the Pacific Ocean and Monterey Bay with one of the most visually spectacular settings in higher education. In 2016-17, the *Times Higher Education* ranked UC Santa Cruz 4th in research influence.

The UCSC Silicon Valley Campus is located in the heart of Silicon Valley near San Jose, the worldwide epicenter for industry and innovation in games and information technology. The location affords extensive consulting opportunities and avenues for collaborative research with industry. Opened in 2016, the UCSC Silicon Valley Campus features contemporary interior design with multiple classrooms, computer labs, and project rooms, along with an event center and television studio.

ACADEMIC TITLE
Assistant Professor [tenure track]

SALARY
Commensurate with qualifications and experience; academic year (nine-month basis).

BASIC QUALIFICATIONS
A Ph.D. or equivalent foreign degree in Electrical and Computer Engineering, Electrical Engineering, or other relevant field, expected to be completed by June 30, 2020; demonstrated record of research and teaching.

POSITION AVAILABLE

July 1, 2020 (with academic year beginning September 2020). All Ph.D. requirements must be completed by June 30, 2021 for employment beyond that date.

APPLICATION REQUIREMENTS

Applications are accepted via the UCSC Academic Recruit online system; all documents and materials must be submitted as PDFs.

APPLY AT https://recruit.ucsc.edu/apply/JPF00774

Please refer to Position # JPF00774-20 in all correspondence.

Required Documents/Materials

- Letter of application that briefly summarizes your qualifications and interest in the position
- Curriculum vitae
- Statement addressing contributions to diversity, equity, and inclusion through research, teaching, and/or service. See guidelines at *https://apo.ucsc.edu/diversity.html* Initial screening of candidates will be based on statements of contributions to diversity, equity, and inclusion.
- 3-4 publications (3 publications are required; a maximum of 4 will be accepted)
- Statement of research plans
- Statement of teaching interests and experience

Reference Requirement

Applications must include three confidential letters of recommendation*. Please note that your references, or dossier service, will submit their confidential letters directly to the UC Recruit System.

*All letters will be treated as confidential per University of California policy and California state law. For any reference letter provided via a third party (i.e., dossier service, career center), direct the author to UCSC's confidentiality statement at http://apo.ucsc.edu/confstm.htm.

RECRUITMENT PERIOD

Full consideration will be given to applications completed by **January 7, 2020.** Applications received after this date will be considered only if the position has not been filled.