University of California, Davis
Department of Electrical and Computer Engineering

Assistant Professor Position
Position JPF04464

As part of UC Davis' commitment to hire outstanding tenure-track/tenured faculty to contribute to the campus' excellence in teaching, research, and service, and to promote the success of historically underrepresented and marginalized student communities and address the needs of our increasingly diverse state and student population, the College of Engineering announces a tenure track Assistant rank position in the Department of Electrical and Computer Engineering. As one of the country's leading R1 institutions, UC Davis seeks candidates with exceptional potential in research, teaching, and inclusive excellence.

The search focus shall include candidates with depth of expertise in the following area of system design and signal analysis for high frequency applications (RF to millimeter-wave and beyond). Candidates are expected to have a strong experimental foundation in high frequency technologies and system design, to impact next-generation communications, autonomous driving, radar, integrated sensing, and imaging (computer vision). Competitive applicants should demonstrate expertise in areas of signal processing, imaging algorithms, machine learning, and artificial intelligence that bridges the research activities between RF/millimeter-wave and information system groups at UC Davis. We are searching for innovative and collaborative researchers who would seek interdisciplinary collaborations within the department and the campus, and aspire to help advance UC Davis' strategic goal of improving access and building an inclusive community for all marginalized populations.

Successful candidates will also demonstrate an understanding of the barriers preventing full participation of members from historically underrepresented and marginalized student communities in higher education, such as (but not limited to) women, underrepresented minorities, individuals self-identifying as LGBTQIA+, veterans, individuals with disabilities, economically disadvantaged groups, first-generation, undocumented students, or students with any intersections in between. Successful candidates will help advance UC Davis' strategic goal of [improving access and building an inclusive community (https://www.ucdavis.edu/news/diversity-matters-how-uc-davis-working-increase-diversity). Successful candidates must submit available track record of engagement and activity related to diversity, equal opportunity, and inclusion as well as their plans for future engagement, as this will be a significant part of the overall evaluation of the candidate's qualifications for a faculty appointment.

**Minimum Qualifications: **

A Ph.D. or equivalent in Electrical and Computer Engineering, or a closely related field, is required and must have been awarded by the date of hire.

**Additional Qualifications: **

• Excellence in research that complements or extends existing research strengths in the Department of Electrical and Computer Engineering and the potential to attract extramural funding.

• Evidence of commitment to or strong potential for commitment to the advancement of diversity, equity, and inclusion for historically underrepresented and marginalized student communities, and how this commitment integrates with teaching, research, and service plans.

• A commitment to excellence in teaching including the potential or evidence of the ability to perform well at both graduate and undergraduate levels and to develop and teach undergraduate and graduate courses or seminars.

• Participation in department, college, and university service as a member of UC Davis Division of the Academic Senate is an expectation under our faculty shared governance model.

Appointment will be as an academic year (9-month) tenure-track Assistant Professor.

Application Requirements

For fullest consideration, applications must be completed by December 20, 2021; however, the position will remain open until filled through May 1, 2022. **Application packages should be submitted online through UC Recruit (https://recruit.ucdavis.edu/JPF04464)** and should include the following documents: current Curriculum Vitae, Cover Letter, Statement of Research, Statement of Contributions to Diversity, Equity, and Inclusion, Statement of Teaching Accomplishments and Philosophy, contact information of 3-6 individuals who will be contacted to provide a letter of reference on your behalf, and a signed Authorization to Release Information form (available in the **RECRUIT system: https://recruit.ucdavis.edu/**).

The University of California is committed to creating and maintaining a community dedicated to the advancement, application, and transmission of knowledge and creative endeavors through academic excellence, where all individuals who participate in University programs and activities can work and learn together in a safe and secure environment, free of violence, harassment, discrimination, exploitation, or intimidation. With this commitment, UC Davis conducts a reference check on all first choice candidates for Academic Senate Assistant Professor or Lecturer with Potential for Security of Employment, Steps 4, 5, or 6, or Acting Professor of Law positions. The reference check involves contacting the administration of the applicant's previous institution(s) to ask whether there have been substantiated findings of misconduct that would violate the University's Faculty Code of Conduct. To implement this process, UC Davis requires all applicants for any open search for assistant professor to complete, sign, and upload the form entitled "Authorization to Release Information" into RECRUIT as part of their application. **If an applicant does not include the signed authorization with the application materials, the application will be considered incomplete, and as with any incomplete application, will not receive further consideration.** Although all applicants for faculty recruitments must complete the entire application, only finalists considered for Academic Senate Assistant Professor or Lecturer with Potential for Security of Employment, Steps 4, 5, or 6, or Acting Professor of Law positions will be subject to reference checks.

All applicants for these searches will be asked to sign and upload an "Authorization to Release Information" form into UC RECRUIT. If the candidate does not include the signed authorization with the

application materials in UC RECRUIT, the application will be incomplete and, as with any incomplete application, will not receive further consideration.

We encourage applicants to explore the College's and Department's websites: College: https://engineering.ucdavis.edu/ and Department: https://ece.ucdavis.edu/

We strongly recommend that all candidates visit our website: https://academicaffairs.ucdavis.edu/why-does-uc-davis-seek-diversity-statements-applicants dedicated to additional information about how application materials, including the Statement of Contributions to Diversity, Equity, and Inclusion, will be assessed carefully by the Search Committee in the screening and review process.

For questions regarding this process, please contact Anh-Vu Pham and Carole Bustamante.

COVID-19: Please be aware that due to the ongoing COVID-19 pandemic, academic and scholarly activities may be conducted remotely. As a result, interviews, seminars, and additional consultations may occur via remote platforms, including zoom, to which we will provide access.

Our Commitment

Diversity, equity, and inclusion are core values of the University of California, Davis that are embedded within our Principles of Community (https://diversity.ucdavis.edu/principles-community) and are tied with how to best serve our student population. Our excellence in research, teaching, and service can best be fully realized by faculty who share our commitment to these values, which are included in our recently developed Diversity and Inclusion Strategic Vision (https://diversity.ucdavis.edu/about/strategic-plan), our new strategic plan: "To Boldly Go (https://leadership.ucdavis.edu/strategic-plan)," our Principles of Community, the Office of Academic Affairs' Mission Statement (https://academicaffairs.ucdavis.edu/mission-statement), and the UC Board of Regents Policy 4400: Policy on University of California Diversity Statement (https://regents.universityofcalifornia.edu/governance/policies/4400.html). The Office of Health Equity, Diversity, and Inclusion (HEDI) has outlined similar goals in their Anti-Racism and DEI Action Plan. The University has taken many steps to uphold these goals and visions, which are outlined through this timeline (https://diversity.ucdavis.edu/timeline).

For the complete University of California nondiscrimination and affirmative action policy see this website:

https://www.ucdavis.edu/statement-nondiscrimination/. If you need accommodation due to a disability, please contact the Search Committee Chair.

The University

Since 1908, UC Davis has been known for standout academics, sustainability and Aggie Pride as well as valuing the Northern California lifestyle. These themes are woven into our 100- plus-year history and

our reputation for solving problems related to food, health, the environment and society. Additional information about UC Davis, it's history, rankings, dedication to student success, environmental sustainability, and academic excellence is available at https://www.ucdavis.edu/about/. Information regarding the diversity of our student body is located Information regarding the diversity of our student body is located at https://ucdavis.edu/sites/default/files/upload/files/uc-davis-student-profile.pdf.

UC Davis supports family-friendly recruitments. UC Davis covers travel expenses for a second person to accompany an invited faculty recruitment candidate who is a mother (or single parent of either gender) of a breast or bottle-feeding child less than two years of age.

UC Davis recognizes the necessity of supporting faculty with efforts to integrate work, family and other work-life considerations. The campus sponsors extensive programs in support of faculty relocation and Work-Life balance, including the Partner Opportunities Program (POP) (https://academicaffairs.ucdavis.edu/partner-opportunities-program-pop-0) and Capital Resource Network (CRN) (https://academicaffairs.ucdavis.edu/capital-resource-network), services designed to support new faculty as they transition to our campus.

UC Davis is a smoke- and tobacco-free (https://healthy.ucdavis.edu/smoke-tobacco-free) campus effective January 1, 2014. Smoking, the use of smokeless tobacco products, and the use of unregulated nicotine products (e-cigarettes) are strictly prohibited on any property owned or leased by UC Davis -- indoors and outdoors, including parking lots and residential space.

We are an Affirmative Action/Equal Opportunity employer, and particularly encourage applications from members of historically underrepresented racial/ethnic groups, women, individuals with disabilities, veterans, LGBTQ community members, and others who demonstrate the ability to help us achieve our vision of a diverse and inclusive community. The complete University of California nondiscrimination and affirmative action policy can be found at this website: https://policy.ucop.edu/doc/4000376/DiscHarassAffirmAction.

Under Federal law, the University of California may employ only individuals who are legally able to work in the United States as established by providing documents as specified in the Immigration Reform and Control Act of 1986. Certain positions funded by federal contracts or sub-contracts require the selected candidate to pass an E-Verify check (https://www.e-verify.gov/).