

**Tenure-track/Tenured Faculty Positions**  
**The University of Arizona, College of Engineering**  
**Electrical & Computer Engineering**

The Department of Electrical & Computer Engineering (ECE) in Tucson, AZ invites applications for *multiple* tenure-track positions at all ranks with a start date of August 2022. Specific fields of interest are (1) all areas of cybersecurity including machine learning and AI security, information and network security, cyber physical system (CPS) security, security of autonomous systems, security for IoT and healthcare, mobile/wearable security and privacy, systems security, (2) all areas of quantum information processing including quantum computing, quantum sensing and quantum communications; interdisciplinary areas connected to imaging and optical sensing are also considered, and (3) software engineering with emphasis on artificial intelligence, data science, embedded systems, modeling and simulation, software DevOps, and formal methods. Candidates for senior ranks must have a distinguished record of publications, demonstrated impact on the profession, and be successful in securing external funding to support a research program. Candidates with expertise in the above areas who work in applications in mining technologies and hypersonic vehicle detection are of particular interest.

The ECE Department at the University of Arizona offers an innovative and inclusive environment with excellent collaboration opportunities in cybersecurity, networking, wireless communications, quantum information processing, coding and information theory, machine learning, autonomous systems and robotics, as well as in biomedical technologies, optics, photonics, software engineering, embedded systems, reconfigurable computer architectures, and cloud/distributed computing. Annual research expenditures for the department exceed \$5.5 million. Faculty members lead three NSF-sponsored research centers and play major roles in other research centers, including two NSF Engineering Research Centers. More than a third of the faculty members are fellows in their respective professional societies. A distinguishing feature of the Department is its entrepreneurial spirit. Faculty members have founded or cofounded 14 active startup companies. Further opportunities on the University of Arizona campus include the Department of Planetary Sciences, the Arizona Health Sciences Center, and the Bio5 Institute for Collaborative Bioresearch, the College of Optical Sciences, and the Program in Applied Mathematics, all of which enjoy international recognition as centers for world-class academic programs and research.

The successful candidate is expected to establish a strong research program, teach undergraduate and graduate courses, cultivate collaboration across the College, the University, and the professional community, and contribute to mentoring students, including those from traditionally underrepresented backgrounds. The successful candidate is also expected to participate in outreach activities and contribute to departmental, college, and university service. In these, and other ways, the faculty member will help develop innovative approaches to enhancing student engagement, increasing diversity, and expanding collaborations with the community and business partners.

Applicants for tenure-eligible positions must have earned a doctorate (or foreign equivalent) in Electrical Engineering, Computer Engineering, Software Engineering, Applied Physics or a related field by the date of appointment.

Applications must be submitted online at <https://talent.arizona.edu/> (posting #: [req7744](#)). Candidates should include a cover letter, a curriculum vitae, a research statement, a teaching statement, a list of at least three references, and a statement of diversity/equity/inclusion.

The University of Arizona is a land-grant institution and Carnegie Foundation Research University located in Tucson, Arizona. With more than \$734 million in annual research expenditures, the University ranks in the top 4%

of all U.S. universities in research and development expenditures, according to the National Science Foundation. The University of Arizona is designated as a Hispanic Serving Institution (HSI), the first of Arizona's three state universities to be so designated and one of 133 four-year public HSIs. As one of the few HSI Research I institutions in the nation affiliated with the Association of American Universities, we aim to lead in quality faculty hiring, externally-funded research, and evidence-based teaching and learning.

At the University of Arizona, we value our inclusive climate because we know that diversity in experiences and perspectives is vital to advancing innovation, critical thinking, solving complex problems, and creating an inclusive academic community. We translate our values into action by seeking individuals who have experience and expertise working with diverse students, colleagues, and constituencies. Because we seek a workforce with diverse perspectives and experiences, we encourage minorities, women, veterans, and individuals with disabilities to apply. As an Employer of National Service, we also welcome alumni of AmeriCorps, Peace Corps, and other national service programs.

We also look forward to learning how the applicant's previous experiences and future plans for teaching, research, professional activities, and University and public service would support our commitment to diversity and inclusion.

Applications will be reviewed starting Nov. 30, 2021, and will be accepted until the open positions are filled.

Questions should be directed to Professor Loukas Lazos, Chair of the Search Committee ([llazos@arizona.edu](mailto:llazos@arizona.edu)), and Professor Tamal Bose, Department Head of ECE ([tbose@arizona.edu](mailto:tbose@arizona.edu)).

### **Working at UArizona and Living in Tucson**

University of Arizona employees appreciate its collegial and inclusive culture, commitment to diversity and shared decision making. Members of the University community enjoy competitive benefits, a nationally recognized work/life program, innovative leadership development initiatives, generous tuition reductions for dependents, and family friendly options, such as paid parental leave. For extensive information about the benefits of working at the University of Arizona, visit [talent.arizona.edu](http://talent.arizona.edu).

The University is located in a tech corridor well represented in aerospace and defense, border technology, optics and photonics, solar and renewable energy, mining and bioscience. The city may be in a semi-arid region, which certainly lends to the UArizona College of Engineering's expertise in water conservation and energy sustainability. But the Sonoran Desert – one of the most diverse desert ecosystems in the world – is anything but typical. Mountain ranges towering upwards of 9,000 feet surround the city of a half million, and many students, faculty members and their families spend their free time hiking and biking the canyon floors and mountain trails. In town, a streetcar service connects the University to a bustling Fourth Avenue and downtown with endless choices for dining, family and cultural events, nightlife, concerts and theater.

See [visitTucson.org](http://visitTucson.org) to find out why and how Tucson is calling you!

