Arizona State University
Ira A. Fulton Schools of Engineering
School of Computing and Augmented Intelligence
Professor (all ranks) in Programming Languages, Compilers and OS for Emerging Architectures
Location: Tempe Campus

The Ira A. Fulton Schools of Engineering at Arizona State University (ASU) and the School of Computing and Augmented Intelligence (SCAI) seek applicants for a tenure-track or tenured faculty position in the area of Programming Languages, Compilers and OS for Emerging Architectures. SCAI (https://scai.engineering.asu.edu/), one of the eight Fulton Schools, houses a vibrant Industrial Engineering and Computer Science Engineering research community (learn more at https://research.engineering.asu.edu/). We seek applicants who can enhance our abilities in these areas as part of a community of experts. Particular areas of interest include, but are not limited to, reliable and efficient OS, programming languages, compilers for AI/ML systems, IoT/edge and cloud computing systems, autonomous systems, trusted hardware, heterogeneous computing systems, embedded, cyber-physical, intermittent computing and time-sensitive systems, and disaggregated systems.

SCAI currently houses multiple ASU Centers - including the Center for Assured and Scalable Engineering (CASCADE, https://cascade.asu.edu/), the Center for Accelerating Operational Efficiency (CAOE, https://caoe.asu.edu/), the Center for Biocomputing, Security and Society (CBSS, https://biodesign.asu.edu/biocomputing-security-and-society), the Center for Intelligent, Distributed, Embedded Applications and Systems (IDEAS https://ideasresearchcenter.org/), the Center for Secure, Trusted, and Assured Microelectronics (STAM, https://stamcenter.asu.edu), the Center for Cybersecurity and Trusted Foundations (CTF, https://globalsecurity.asu.edu/cybersecurity-and-trusted-foundations), and the ASU-Mayo Center for Innovative Imaging (AMCII, https://amcii.asu.edu) - and have a large number of faculty working on a variety of relevant topics.

We search for applicants who will contribute to our academic programs, promote transdisciplinary teaching and research, and help the university to achieve its aspirations, including enabling student success, transforming society, valuing entrepreneurship, and conducting use-inspired research. Faculty members in the Fulton Schools are expected to develop an internationally recognized and externally funded research program, adopt effective pedagogical practices in the development and delivery of graduate and undergraduate courses, advise both undergraduate and graduate student research and projects, and undertake service activities.

Appointment will be at the Assistant, Associate, or Full Professor rank commensurate with the candidate's experience and accomplishments, beginning August 2025.

Qualifications
Required qualifications:
- Earned doctorate in Computer Science, Computer Engineering, or related discipline by the time of appointment
- Evidence of excellence in research, as appropriate to the candidate's rank
- Evidence of excellence in teaching, as appropriate to the candidate's rank

Desired qualifications:
- Demonstrated commitment to a collaborative, transdisciplinary approach to research and teaching
- Commitment to inclusive research and teaching practices

- Potential (for junior applicants) or evidence (for senior applicants) for establishing an externally funded research program
- Record of publications in top-tier journals/conferences as appropriate to the candidate's rank
- Commitment to teaching at both the graduate and the undergraduate levels, including online courses

Application Instructions

Application deadline is December 9, 2024. Applications will continue to be accepted on a rolling basis for a reserve pool. Applications in the reserve pool may then be reviewed in the order in which they were received until the position is filled. To apply, visit https://hiring.engineering.asu.edu/ and select "apply now" next to the corresponding position. Candidates will be asked to create or use an existing Interfolio Dossier to submit the following:

- Cover letter
- Curriculum Vitae
- Statement describing research interests (2-4 pages maximum)
- Statement describing teaching interests and philosophy (2-4 pages maximum)
- Contact information for three references

The ASU Charter states, "*ASU is a comprehensive public research university, measured not by whom it excludes, but by whom it includes and how they succeed; advancing research and discovery of public value; and assuming fundamental responsibility for the economic, social, cultural and overall health of the communities it serves.*" The Fulton Schools of Engineering are dedicated to cultivating excellence, delivering innovation that matters, encouraging bold thinking, fostering a community of learning and collaboration, and building a foundation for all to be successful. Applicants are encouraged to address how their past, current, and future activities align with the ASU Charter and Fulton Schools of Engineering values in their application materials.

For additional information regarding position specifics, please contact the search committee chair, Professor Adil Ahmad via email at adil.ahmad@asu.edu.

Equal Employment Opportunity Statement

A background check is required for employment. Arizona State University is a VEVRAA Federal Contractor and an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, protected veteran status, or any other basis protected by law.

See https://www.asu.edu/aad/manuals/acd/acd401.html and https://www.asu.edu/titleIX/.

In compliance with federal law, ASU prepares an annual report on campus security and fire safety programs and resources. ASU's Annual Security and Fire Safety Report is available online at https://www.asu.edu/police/PDFs/ASU-Clery-Report.pdf. You may request a hard copy of the report by contacting the ASU Police Department at 480-965-3456.