PROFESSOR (ALL RANKS) IN DISTRIBUTED DATA and COMPUTING
(Job #15163)

The Ira A. Fulton Schools of Engineering at Arizona State University (ASU) seek applicants for a tenure-track/tenured faculty position in "Distributed Data and Computing" in the School of Computing, Informatics, and Decision Systems Engineering (CIDSE). This search will target scientists and engineers with research into designing distributed systems for acquiring, storing, and processing real-time, large-scale, and multi-modal data and developing distributed machine learning and consensus tools to convert data into actionable information and knowledge. Areas of interest include applied and theoretical innovations in distributed data management and analysis, distributed/decentralized consensus, and distributed operating and networking systems. Candidates with application interest in one or more of our key research thrust areas of BlockChain, IoT, Health, and Sustainability are particularly encouraged to apply.

CIDSE currently houses several ASU Centers – including Center for Assured and Scalable Engineering (CASCADE) https://cascade.asu.edu/, Center for Accelerating Operational Efficiency (CAOE) https://caoe.asu.edu/, Center for Cybersecurity and Digital Forensics (CDF) https://globalsecurity.asu.edu/center-cybersecurity-and-digital-forensics, Center for Embedded Systems (CES) https://fulton.sp10.asu.edu/cidse/CES/SitePages/Home.aspx, and Center for Biocomputing, Security and Society (CBSS) https://biodesign.asu.edu/biocomputing-security-and-society – and have a large number of faculty working on a variety of relevant topics that include data management, distributed algorithms and systems, cloud and high performance computing, cybersecurity, network algorithms and optimization, self-organizing and self-stabilizing distributed systems, bio-inspired collective algorithms, survivable networks, IoT, blockchain, machine learning, and AI. The current openings are intended to broaden and strengthen this expertise, which is crucial to university initiatives and velocity.

Required qualifications: Earned doctorate or equivalent in computer science, computer engineering, or a closely related field by the time of appointment and demonstrated evidence of excellence in research and teaching as appropriate to the candidate's rank. **Desired qualifications:** Commitment to teaching at both the graduate and the undergraduate levels, evidence of commitment to a diverse academic environment, and potential (for junior applicants) or evidence (for senior applicants) for establishing an externally funded research program, as appropriate to the candidate's rank.

We seek applicants who will contribute to our programs and expand collaborations with existing faculty at ASU. Located in Tempe with easy access to the outdoors and urban amenities, ASU's vibrant and innovative approaches to research and teaching are charting new paths in education and research in the public interest. Faculty members are expected to develop an internationally recognized and externally funded research program, develop and teach graduate and undergraduate courses, advise and mentor graduate and undergraduate students, and undertake service activities. ASU strongly encourages transdisciplinary collaboration and use-inspired, socially relevant research. Successful candidates will be encouraged to expand expertise and collaborations in these areas. Although the tenure home may be in any of the Ira A. Fulton Schools of Engineering, the School of Computing, Informatics, and Decision Systems Engineering is currently the most involved in the interest areas of this research.

Appointments will be at the Assistant, Associate, or Full Professor rank commensurate with the candidate's experience and accomplishments, beginning August 2020.

Application reviews will begin on December 16, 2019. 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.   Apply at https://hiring.engineering.asu.edu/. Candidates will be asked to submit the following through their Interfolio Dossier:

- Cover letter
- Current CV
- Statement describing research interests
- Statement describing teaching interests
- (Optional) A short diversity statement
- Contact information for at least three references

For further information or questions about this position please contact Professor K. Selcuk Candan at (candan@asu.edu)

Arizona State University is a VEVRAA Federal Contractor and an Equal Opportunity/Affirmative Action Employer. All qualified applicants will be considered without regard to race, color, sex, religion, national origin, disability, protected veteran status, or any other basis protected by law. See ASU's full non--discrimination statement (ACD 401) at https://www.asu.edu/aad/manuals/acd/acd401.htmlandthe TitleIXstatementathttps://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.