NORTHERN ARIZONA UNIVERSITY
College of Engineering, Forestry & Natural Sciences

Position #602174 – Assistant Professor/Associate Professor/Professor

Multiple full-time, 9-month positions. At the Assistant Professor rank, positions are tenure-track positions. At the Associate Professor rank, tenure will be considered based on qualifications and experience. At the Professor rank, positions will be tenured and will be considered based on qualifications and experience. All positions begin August 22, 2016.

The School of Informatics, Computing, and Cyber Systems (SICCS) at Northern Arizona University (NAU) invites applications from exceptional candidates for multiple tenured and tenure-track positions at all levels. These faculty positions will support an ambitious research agenda with a focus on the application of computing to key areas of national need: cybersecurity, heterogeneous and reconfigurable computing, and cyber-physical systems.

This is the first round of hiring for positions to support this multi-year initiative toward realizing SICCS's research agenda. These positions are research-centric with a long-term institutional commitment to ensuring low teaching loads and accompanying high expectations for scholarly productivity and extramural funding.

Exceptional candidates or coordinated group applications for highly desirable cluster hires in all areas of informatics, computer science, and cyber systems are encouraged to apply. Specific areas of interest are:

- Cybersecurity, including trustworthy systems, data provenance, attack awareness, next generation defensive measures, mobile and cloud security, and usable security.
- Heterogeneous and reconfigurable systems, including software engineering methodologies, self-* systems and frameworks, machine learning and inference, and distributed and decentralized systems.
- Cyber-physical systems, including large-scale wireless and sensor networks, decentralized architectures, and ubiquitous computing.
- Big Data and data science, including data mining and machine learning, high-performance and cloud computing, natural language processing, and data visualization.

Candidates should have a Ph.D. degree in Computer Science, Software Engineering, Informatics, Electrical Engineering, or closely related field at the time of appointment. Candidates for Assistant Professor positions should demonstrate the potential for high-quality scholarship and candidates for Associate and Professor positions are expected to have established themselves as innovative and productive scholars. Successful candidates will grow their own externally funded research programs and will have the opportunity to engage in collaborations with a diverse body of researchers in the School of Informatics, Computing, and Cyber Systems and Northern Arizona University. Successful candidates will also participate in supporting undergraduate and graduate curricular programs.

Minimum qualifications for the rank of Assistant Professor:

- Earned doctoral degree (Ph.D. or Sc.D.) conferred in Computer Science, Software Engineering, Informatics, Electrical Engineering, or closely related field by August 2016.

Minimum qualifications for the rank of Associate Professor include all of the above, and:

- Associate Professor rank and research and teaching experience in a university setting.

Minimum qualifications for the rank of Professor include all of the above, and:

- Professor rank and research and teaching experience in a university setting.

Preferred Qualifications

- Demonstrated research expertise in cybersecurity, heterogeneous and reconfigurable systems, and cyber-physical systems;
- An established record of scholarly success and promise for future scholarly excellence, as evidenced through participation and leadership in securing extramural funding and scholarly publications, as appropriate to the rank sought;
- Demonstrated history of engaging with and leading collaborative multi- and inter-disciplinary teams, including supervision of graduate students and post-doctoral scholars, as appropriate to the rank sought;
- University-level teaching experience, particularly at the graduate level;
- Excellent communication skills;
- Experience effectively working with people from a variety of culturally diverse backgrounds.

Northern Arizona University is a 29,000-student institution with its main campus in Flagstaff, a four-season community of about 67,000 at the base of the majestic San Francisco Peaks. NAU's emphasis on undergraduate education is enhanced by its graduate programs and research as well as distance learning. All faculty members are expected to promote student learning and help students achieve academic outcomes. The university is committed to a diverse and civil working and learning environment. The School of Informatics, Computing, and Cyber Systems is a dynamic research-intensive unit with diverse faculty members working in areas that span the foundations of computing as well as its application. We seek to ally computational science with engineering, the natural and social sciences, and other emerging interdisciplinary research areas, and collaborate with faculty and researchers to incorporate informatics, computing, and cyber systems as essential components of research and learning at Northern Arizona University. Our faculty's research interests include wireless sensor and communication systems, cyber-physical systems, software architecture and visualization, computer graphics, model-driven design, machine learning, wearable computing, bioinformatics, population health, remote sensing, and ecological modeling. We offer a broad range of degree offerings, including interdisciplinary Ph.D. and M.S. programs in Informatics and Computing with a planned launch for Fall 2016, with emphases that include Health and Bioinformatics, Ecological and Environmental Informatics, and Cyber and Software Systems, and undergraduate degrees in Computer Science (ABET-accredited), Applied Computer Science, and Electrical Engineering (ABET-accredited). Northern Arizona University requires satisfactory results for the following: a criminal background investigation, an employment history verification and a degree verification (in some cases) prior to employment. You may also be required to complete a fingerprint background check.

Review of applications will begin on September 20, 2015 and will continue until positions are filled or closed. To apply for this position, please go to http://nau.edu/Human-Resources/Careers/. For consideration for this position submit ONE PDF file, containing: (1) a statement of interest highlighting your particular qualifications for this position; (2) a curriculum vitae; (3) a statement of teaching and research interests, not to exceed 4 pages; and (4) names and contact information for three references.

If you have problems submitting application attachments in the form of one PDF document or questions please contact us at informatics@nau.edu. If you need assistance completing your application, there are instructions available online at http://hr.nau.edu or in person in the Human Resources Department located in Building 91 on the NAU Campus - on the corner of Beaver and DuPont Streets. If you are an individual with a disability and need reasonable accommodation to participate in the hiring process, please contact the Affirmative Action Office at 928-523-3312/TDD - 928-523-1006 or PO Box 4083, Flagstaff AZ 86011.