University of Central Florida

Assistant or Associate Professor in Faculty Cluster for Cyber Security and Privacy

The University of Central Florida (UCF) has established a focus area in cyber security and privacy, as one of several interdisciplinary clusters established to strengthen its academic offerings and research mission. In support of this effort, we are recruiting faculty in the broad area of cyber security and privacy. We plan to hire one tenure-track assistant or associate professor for the UCF cyber security and privacy cluster. This position has a start date of August 8, 2018.

This will be an interdisciplinary position that will be expected to strengthen both the cluster and a chosen tenure home department, as well as a possible combination of joint appointments. A strong advantage of this position is the ability of the candidate to choose a combination of units from the cluster for their appointment. (See http://www.ucf.edu/faculty/cluster/cyber-security-and-privacy/ for a complete list of all the units involved.) Both individual and interdisciplinary infrastructure and startup support will be provided with this new position.

The ideal junior candidates will have a strong background in cyber security and privacy, and be on an upward leadership trajectory in these areas. They will have research impact, as reflected in high-quality publications and the ability to build a well-funded research program. All relevant technical areas will be considered. We are looking for a team player who can help bring together current campus efforts in cyber security or privacy. In particular, we are looking for someone who will work at the intersection of several areas, such as: (a) hardware and IoT security, (b) explaining and predicting human behavior, creating policies, studying ethics, and ensuring privacy, (c) cryptography and theory of security or privacy, or (d) tools, methods, training, and evaluation of human behavior.

The Department of Mathematics at UCF welcomes candidates from the mathematics community to join this interdisciplinary research cluster. In particular, we encourage mathematicians having research interests in cryptography and security, with particular interest in cryptography in practice, cryptanalysis, data analysis in cybersecurity, privacy, lattices, computational number theory, and coding theory, to apply. Our department values interdisciplinary and collaborative endeavors. Recent examples of interdisciplinary opportunities at UCF involving Mathematics include interdepartmental joint appointments (between Mathematics and Institute of Simulation and Training) and UCF faculty cluster and strategic hiring (e.g., Big Data and more recently in Deep Learning). Our faculty have active research collaborations within the College of Sciences and with the College of Optics and Photonics, the College of Engineering and Computer Science, the Center for Research in Computer Vision, the College of Education and Human Performance, and the Nanoscience and Technology Center.

Minimum qualifications include a Ph.D., terminal degree, or foreign degree equivalent from an accredited institution in an area appropriate to the cluster, and a record of high impact research related to cyber security and privacy, demonstrated by a strong scholarly and/or funding record. A history of
working with teams, especially teams that span multiple disciplines, is a strongly preferred qualification. The position will carry a rank commensurate with the candidate’s prior experience and record.

UCF is one of the nation’s largest universities with a diverse student body of more than 64,000 students and has grown substantially in size, quality, diversity, and reputation in its first 50 years. Today, the university offers more than 200 degree programs at its main campus in Orlando. UCF is an economic engine, attracting and supporting industries vital to the region’s future while providing students with real-world experiences that help them succeed after graduation. UCF’s Orlando location also puts it at the center of the Florida High Tech Corridor. The corridor has an excellent industrial base that includes software, defense, space, simulation and training, and a world-renowned entertainment industry. Adjacent to UCF is a thriving research park that conducts over $2 billion in funded research, hosting more than 100 high-technology companies and UCF’s Institute for Simulation and Training. The Central Florida area is designated by the State of Florida as the Center of Excellence in Modeling and Simulation. UCF also has an accredited medical school, which was established in 2006. UCF is a neighbor to large corporations, such as Disney, Harris Corporation, Lockheed Martin, Siemens, and many others, all of which have a strong interest in cyber security and privacy. Great weather, easy access to the seashore, one of the largest convention centers in the nation, and one of the world’s best airports are just a few features that make Orlando an ideal location. We encourage you to learn more about UCF at http://www.ucf.edu/faculty.

Candidates must apply online at https://www.jobswithucf.com/postings/50404 and attach the following materials: a cover letter, curriculum vitae, teaching statement, research statement, and contact information for three professional references. In the cover letter candidates must address their background in cyber security and privacy, and identify the department or departments for their potential tenure home and the joint appointments they would desire. When applying, have all documents ready so they can be attached at that time, as the system does not allow resubmittal to update applications.

As an equal opportunity/affirmative action employer, UCF encourages all qualified applicants to apply, including women, veterans, individuals with disabilities, and members of traditionally underrepresented populations. UCF’s Equal Opportunity Statement can be viewed at: http://eeo.ucf.edu/documents/PresidentsStatement.pdf. As a Florida public university, UCF makes all application materials and selection procedures available to the public upon request.

For more information about these positions please contact the Cluster’s Search Committee Chair, Gary T. Leavens, at Leavens@ucf.edu.