The Department of Electrical and Computer Engineering at the University of Iowa (https://ece.engineering.uiowa.edu) invites applications and nominations for a tenure-track Assistant Professor position in the area of Cyber-Physical Systems (CPS)/Internet of Things (IoT) to begin in fall 2017.

This position requires a PhD in Electrical and Computer Engineering, Computer Engineering, or a closely related discipline, with CPS/IoT expertise in one or more of the following areas: software engineering, networking, security, privacy, sensor networks, data analytics, embedded systems, wireless communication, low-power computer architecture, or controls. Other required qualifications include a strong commitment to effective teaching and mentoring students in the area of Computer Science and Engineering, potential to develop an internationally recognized research program, excellent communication skills, and a commitment to work to a welcome and inclusive environment. Desirable qualifications include a previous record of successful development of CPS/IoT systems. The College of Engineering is committed to building a welcoming and inclusive academic community with the support systems for all persons to thrive.

Cyber-physical systems integrate sensing, computation, control and networking into physical objects and infrastructure, connecting them to the Internet and to each other. IoT is a broader conception of the same principle, where “things” could be devices, machines, businesses, people or combinations. CPS/IoT is an important emerging area of information technology and will be an integral part of the University of Iowa Informatics Initiative. The University of Iowa offers an exceptional environment for interdisciplinary collaboration with centers and institutes that include the Aging Mind and Brain Initiative/Center on Aging (https://aging.uiowa.edu/aging-mind-and-brain-initiative), Water Sustainability Initiative/IIHR – Hydrosience and Engineering (www.iihr.uiowa.edu), Iowa Institute for Biomedical Imaging (https://www.iibi.uiowa.edu/), Institute for Clinical and Translational Science (http://www.icts.uiowa.edu/), and Prevention Research Center (http://www.public-health.uiowa.edu/prc/mission/).

The successful candidate will be expected to participate actively in the university-wide multidisciplinary informatics initiative (see http://informatics.uiowa.edu/) encompassing research and education. The faculty candidate will complement the existing University of Iowa expertise and help form the core of this initiative. Participation in the initiative will be an important component of faculty performance evaluation.

Faculty responsibilities include effective classroom teaching at the undergraduate and graduate levels, developing curricula and laboratories, supervising MS and PhD student research, publishing journal articles, developing and maintaining an internationally-recognized, externally-funded research program, and making appropriate service contributions.

Interested applicants should apply electronically to Requisition #69820 at http://jobs.uiowa.edu/faculty. Candidates must submit a letter describing their areas of specialization as well as statements of research and teaching interest, current curriculum vitae, and a list of three to five professional references. Applications will be reviewed starting December 1, 2016 and will be accepted until the positions are filled.

The University of Iowa is an equal opportunity/affirmative action employer. All qualified applicants are encouraged to apply and will receive consideration for employment free from discrimination on the basis of race, creed, color, national origin, age, sex, pregnancy, sexual orientation, gender identity, genetic information, religion, associational preference, status as a qualified individual with a disability, or status as a protected veteran.