Assistant Professor, tenure-track in Computer Engineering and Computer Science) – focus on IoT for robotics and CPS, University of Louisville, USA.

Position Description

The Department of Computer Engineering and Computer Science (CECS) in the J. B. Speed School of Engineering at the University of Louisville (UofL) invites applications for a full-time, tenure-track Assistant Professor position beginning fall 2020. Outstanding candidates at higher ranks may also be considered. Applicants must have received a doctoral degree in Computer Science, Computer Engineering, or a closely related field by the start date of the position, must have demonstrated a strong potential for excellence and productivity in research commensurate with the expectations of an R1 university, and must have a commitment to high-quality teaching.

Exceptional candidates in all areas of Computer Engineering and Computer Science, or closely related fields will be considered, but of particular interest are candidates specializing in the areas of Robotics, Embedded Systems, Internet of Things (IoT), Hardware-Embedded Intelligence and Learning and Optimization, Artificial Intelligence (AI), and Cyber Physical Systems. Successful candidates will be expected to teach core undergraduate CECS courses such as introduction to programming, data structures, algorithms, embedded systems, and operating systems, in addition to graduate level courses in her/his research areas; develop an independent, externally funded research program; mentor diverse students; participate in all aspects of the department's mission; and serve the profession.

Candidates will be expected to collaborate closely with leading researchers in Robotics and to participate in new initiatives such as the Louisville Automation and Robotics Research Institute (LARRI), and the KY NSF EPSCOR KAMPERS project on augmented robots and structures.

Department Information

The CECS Department has been a degree granting department since 1971, when it was known as the Department of Applied Mathematics and Computer Science. CECS currently has 16 tenured or tenure-track faculty and two term faculty with wide-ranging research interests and strong research groups in aerial robotics, bioinformatics, computer architecture, computer systems, cybersecurity, cyber-physical systems, data mining, databases, innovative and emerging technologies, knowledge discovery and web mining, mobile information networks and distributed systems, multimedia, real-time and embedded systems, and visualization and intensive graphics. Faculty research (with 2018 expenditures exceeding $1.6 million and new awards exceeding $2.1 million) has been supported by a variety of federal grants and industrial contracts (NSF, NIH, NASA, NSA, DoD, DoE, Kindred Healthcare), including multiple prestigious young investigator awards (four NSF CAREER and one NSF CRII). The department has extensive interdisciplinary collaborations across several units at UofL, including Arts and Sciences, Social Work, Law, Medicine, Nursing, and Public Health, as well as with the other seven departments within the Speed School of Engineering.

The department offers ABET-accredited BS and MENG degrees in CECS, an MS degree in Computer Science, and a Ph.D. degree in Computer Science and Engineering, as well as graduate certificates in Data Science and Cybersecurity. The enrollment for the fall of 2018 includes 238 undergraduates, 96 master's students (32 MENG and 64 MS), and 48 PhD students. For more information on the department, please visit our website: https://engineering.louisville.edu/academics/departments/com puter/

About the City and the University

Louisville is a progressive community of around 750,000 people with a robust economy, a vibrant arts scene, a nationally ranked public school system, and a rich history infused with southern hospitality. Situated on the banks of the Ohio River, the largest city of Kentucky boasts a cost of living that is substantially lower than the national average, with a broad range of affordable housing options from high-rise apartments and historic Victorian homes to suburban communities and rural farms.

The University of Louisville strives to foster and sustain an environment of inclusiveness that empowers us all to achieve our highest potential without fear of prejudice or bias. To find out more see: http://louisville.edu/diversity/.

As a recipient of an NSF ADVANCE award to increase the advancement of women faculty in STEM, UofL provides a range of networking, mentoring and development opportunities for under-represented faculty. In addition, the university offers excellent benefits including domestic partner benefits as well as tenure clock extension.

Review of applications will commence on January 6, 2020, and will continue until the position is filled.

Applicants must apply online at http://www.louisville.edu/jobs, and submit the following in one document: (1) a cover letter clearly stating the position name and job ID number; (2) a curriculum vitae (including the names and contact information of at least three referees); (3) a research statement; and (4) a teaching statement.

Equal Employment Opportunity

The University of Louisville is an equal opportunity, affirmative action employer, and is committed to providing employment opportunities to all qualified applicants without regard to race, sex, age, color, national origin, ethnicity, creed, religion, disability, genetic information, sexual orientation, gender, gender identity and expression, marital status, pregnancy, or veteran status. If you are unable to use our online application process due to an impairment or disability, please contact the Employment team at employment@louisville.edu or 502.852.6258.

Faculty/Administrator

To apply for this position, follow the "Online App. Form" link below and then click on the "Apply Now". You must answer all required fields and submit your application by clicking the "Submit" button. Detailed instructions are available at louisville.edu/jobs in the "My Career Tools" section. Vacancies are routinely removed from the jobs portal around 7:00PM on the deadline date. If the posting description requested that you follow up and mail or email other documents, your application will not be considered complete until those have been received by the department.

NOTE:

Only ONE attachment can be uploaded per application. If you wish to include a cover letter or other documents, please combine them as one document with your resume/cv, save the document with a simple short title that contains only letters, spaces, or numbers, and then upload.

EFFECTIVE 08/01/2018, the option to use an existing resume will no be longer available. *On or after this date, please use the option to "Upload a new resume" to attach your CV or resume document.*

Computers are available for application submission at the Human Resources Department located at 1980 Arthur Street - Louisville, Kentucky 40208. If you have any questions or problems please contact, Center for Faculty Personnel - FACPERS@louisville.edu or by phone 502-852-5301

If you require assistance or accommodation with our online application process, you may schedule an appointment at (502) 852-6258 with Employment Services at the Human Resources office located at 1980 Arthur Street, Louisville, KY 40208.

Online application form:

https://www.higheredjobs.com/clickthru/redirect.cfm?JobCode=177093688