

UVA Tenured/Tenure Track Open Rank Cyber-Physical Systems

Submitted by Anonymous on Wed, 12/19/2018 - 5:34pm

The School of Engineering and Applied Science at the University of Virginia seeks innovative and collaborative applicants to join its world class center of research excellence in Cyber-Physical Systems (CPS). Qualified faculty will join the Link Lab (<http://linklab.virginia.edu/>), where over 30 faculty from multiple departments and schools collaborate on cross-cutting research. This multi-million dollar initiative is dedicated to solving the most critical problems facing society by transcending traditional disciplinary boundaries. Application areas of interest include but are not limited to autonomous systems and robotics, smart and connected health, and smart and connected cities and rural communities.

An open rank, tenured, or tenure-track faculty position with joint appointments is available across multiple departments, including:

- Computer Science
- Electrical and Computer Engineering
- Engineering Systems and Environment Mechanical and Aerospace Engineering

A broad range of CPS research areas will be considered, including, but not limited to:

- Human-centered design for CPS; human-automation interaction
- Sensor design, including RF sensing, novel sensing devices, and application thereof
- RF and mixed-signal circuits as applied to CPS
- Machine learning and/or signal processing as applied to CPS
- Embedded and real-time systems as applied to CPS
- Communications, networking, and management to support the Internet of Things (IoT)
- Formal and model-based reasoning through all levels of CPS design and operation
- Secure, safe, and resilient CPS

Successful candidates will be expected to engage in funded research, teach at the undergraduate and graduate levels, and perform service for the institution and professional organizations. Rank, tenure-status, and compensation are contingent upon experience. A PhD in computer science or engineering is required by the start date of appointment. A commitment to teaching and advising excellence and evidence of an explicit commitment to diversity and of advancing understanding and outcomes for underrepresented groups are essential. Candidates must have a record of excellence in research, as appropriate for the candidate's rank, with a preference for transdisciplinary research experience. Appointment with tenure requires documented excellence in research and teaching, and an emerging

national reputation. Preference will be given to candidates whose research would complement or expand the School's current strengths (<http://engineering.virginia.edu/research>). Applicants with a respect for diversity and a passion for making a positive impact on the world in a collaborative environment are strongly encouraged to apply.

To apply, visit jobs.virginia.edu/applicants/Central?quickFind=85932. Complete a Candidate Profile online; attach a cover letter, CV, statement of research interests, statement of teaching philosophy, and contact information for at least 3 references.

Screening begins January 16, 2018, and the position remains open until filled.

For questions about the position contact Savanna Galambos, skh7b@virginia.edu.

UVA assists faculty spouses and partners seeking employment in the Charlottesville area. To learn more visit <http://provost.virginia.edu/dual-career>. For more information about area visit <http://uvacharge.virginia.edu/guide.html>.

With one of the highest graduation rates of minority undergraduate students and one of the highest percentages of women engineering students among public universities, UVA is fundamentally committed to increasing the diversity of its faculty and staff and is an affirmative action and equal opportunity employer. We believe diversity is excellence expressing itself through every person's perspectives and lived experiences.

[? Chair in Systems Engineering of Autonomous Vehicles Post-doc Offer : Constraint Programming and Symmetric Cryptography ?](#)



[Position Announcements](#)
