

Tenure-track Position in Machine Learning:

The Bradley Department of Electrical and Computer Engineering at Virginia Tech invites applications for a tenure-track position in computer engineering, at the rank of Assistant Professor, specifically in the area of Machine Learning, including (but not limited to) deep learning, knowledge representation & reasoning, reinforcement learning, reasoning under uncertainty, and their applications to computer vision, natural language processing, speech, robotics, and broadly AI. This position is based in Blacksburg, Virginia.

The successful candidate will be expected to develop and maintain a vigorous, nationally recognized, funded research program. There are rich opportunities for collaboration with existing strengths across the University. The successful candidate will also be expected to teach undergraduate and graduate courses, and participate in service and outreach activities for the Department, College, and/or University. More broadly, the successful candidate should contribute to Virginia Tech's growing strength and leadership in Machine Learning research, education, and outreach.

Required Qualifications

- An earned Ph.D. in Computer Science, Computer Engineering, Electrical Engineering, or a related field, completed prior to employment
- Effective communication skills
- Demonstrated excellence in research, scholarship, and teaching, or evidence of high potential for such excellence
- Ability to articulate a coherent agenda of research and scholarship, and to identify potential funding sources to support such research

Preferred Qualifications

- Prior experience in the role of PI or Co-PI on funded research projects
- Ability and willingness to work collaboratively with faculty from a variety of disciplines
- Experience in working with students as academic or career advisor, overseeing student internships, or service-learning activities
- Interest or experience in mentoring students, both undergraduate or graduate, in research
- Interest or experience in working effectively with a diverse student population

About the ECE Department

The ECE Department offers B.S., M.S., M.Eng., and Ph.D. degree programs in both Electrical Engineering and Computer Engineering with enrollment of about 1,100 full-time undergraduate students and 570 graduate students. In addition to the main Blacksburg campus, an active research program and a full- and part-time graduate program are located in the National Capital Region (metropolitan Washington, DC area), with 8 full-time ECE faculty who interact closely with faculty in Blacksburg.

The ECE Department has 76 tenured or tenure-track faculty members and external research expenditures exceeding \$34 million annually. The department has programs that are among the nation's largest and strongest in computer vision, power electronics, power systems, wireless communications and networking, space science and engineering, remote sensing, embedded systems, fiber optics and photonics, and computational biology. The department has additional emerging areas of strength in autonomous systems, biomedical applications, cybersecurity, integrated microsystems, and nanotechnology. The department is the beneficiary of the Bradley Endowment which provides

scholarships, fellowships, professorships, and other support. For more information about the ECE Department and the College of Engineering, please visit www.ece.vt.edu and www.eng.vt.edu.

About the University

Virginia Tech, the Commonwealth's senior land-grant institution, is currently ranked as a Top 25 Public University by *US News & World Report* and a Top 25 Public Research University by the National Science Foundation. Virginia Tech is located in Blacksburg in the scenic mountains of southwestern Virginia. Through a combination of its three missions of discovery, learning, and engagement, Virginia Tech continually strives to accomplish the charge of its motto *Ut Prosim* (That I May Serve). Highly selective in admissions, the University serves a diverse population of 30,000+ students and 8,000+ faculty and staff from over 100 countries, and is engaged in research around the world. Invent the Future at Virginia Tech.

About Blacksburg

Blacksburg is a high-tech hub located in a scenic and vibrant community in the New River Valley, about 40 miles west of Roanoke. Blacksburg is consistently ranked among the country's best places to live and raise a family. The town is proximal to state parks, national forests, and other regional attractions of Southwest Virginia, renowned for their history and natural beauty. A new addition to the community is the Moss Arts Center, a Virginia Tech facility with a large performance hall and visual arts galleries. For more information about the Town of Blacksburg, please visit www.blacksburg.va.us.

The Application Process

Qualified applicants must submit a letter of application, a curriculum vita, a research statement, a teaching statement, and a list of at least three references electronically to jobs.vt.edu. Apply to posting number **TR0150112**. Please follow carefully the instructions found on the employment web site regarding the application submission process. Unfortunately, we are unable to accept paper applications. Paper applications or electronic applications sent via e-mail cannot be considered. Review of applications will begin November 15, 2015, and will continue until the position is filled with an appropriate candidate. The anticipated start date is August, 2016.

Applications from women and other underrepresented populations in engineering are especially encouraged. Virginia Tech has a program designed to support the retention and advancement of female faculty; see www.advance.vt.edu. Individuals with disabilities desiring accommodation in the application process should notify K. Atkins, Bradley Department of Electrical and Computer Engineering, (540) 231-4136 or TDD/PC 1-800-828-1120 or Voice 1-800-828-1140.

Virginia Tech is an Affirmative Action/Equal Opportunity Employer.