Open rank tenured or tenure-eligible position in Electrical and Computer Engineering
Charlottesville, VA

The School of Engineering & Applied Science (SEAS) at the University of Virginia (UVA) seeks candidates for a tenure-eligible or tenured position in the Department of Electrical and Computer Engineering. The primary responsibilities for this position include research, teaching, and service to the department, University, and professional community. The appointment rank and compensation will be commensurate with experience and qualifications.

The search is in the general area of neuroimaging, brain function and connectivity, and artificial intelligence with applications to neuroscience and/or neuro-degenerative disorders. The school is especially interested in candidates who are interested in developing technologies that will enable a comprehensive understanding of the brain. Strategic integration of computational methods, such as machine learning, signal processing, and network theory, and a focus on application to neurological disorders, including autism and Alzheimer's disease, are desirable.

Example research areas include, but are not limited to:

- Neuroimaging
- Investigation of brain function and connectivity at multiple scales
- Brain machine interfaces and neural signal processing
- Neuromodulation and stimulation
- Neuroinformatics

The Electrical and Computer Engineering (ECE) Department at the University of Virginia (UVA) offers a vibrant environment for interdisciplinary research and collaboration with strengths in areas such as machine learning, imaging, cyber-physical systems, embedded systems, communication networks, and energy systems. ECE at UVA emphasizes both foundational and applied research, preparing students for leadership in industry, academia, and government. Faculty members benefit from access to cutting-edge facilities and are encouraged to engage in research that addresses societal challenges. Close proximity to the School of Medicine offers rich opportunities for collaborations in the areas of Radiology, Neurology and Neuroscience, and Neurosurgery. Other collaborative opportunities include Biomedical Engineering, Psychology, and the School of Data Science.

The University of Virginia's 2030 plan recognizes the Brain and Neuroscience as a major societal challenge and an opportunity for multidisciplinary work that draws on our existing strengths. In partnership, the provost and the deans of various schools are making multiple coordinated faculty recruitments to strengthen the research community focusing on Brain and Neuroscience across the University. Recruits will receive support from the provost and from their school and will participate in the Brain and Neuroscience Initiative. This is part of a major Grand Challenges research investment of over $50M in Brain and Neuroscience.

This position is based in Charlottesville at our principal location. UVA is a highly selective

undergraduate and graduate institution that annually ranks as one of the premier public universities in the United States with one of the highest graduation rates in the nation. UVA is situated in Charlottesville, Virginia, a picturesque and vibrant small city consistently recognized as one of the nation's top places to reside. UVA's location offers proximity to Washington, D.C., enriching opportunities for collaboration and engagement with numerous federal organizations. More information about the city, the school, faculty benefits, and other topics can be found at https://hr.virginia.edu/careers-uva/why-uva.

Qualifications
Candidates must have received a doctorate or equivalent in electrical engineering, computer science, biomedical engineering, or related area by the start of their appointment. Evidence of a commitment to high-impact scholarship, funded research, undergraduate- and graduate-level teaching and advising excellence, professional and university service, and mentoring is expected.

In conjunction with these positions, senior graduate students are eligible and encouraged to consider the UVA Engineering Rising Scholars program. This program is designed to encourage early-career scholars to pursue a career in academia by supporting their postdoctoral work before beginning a tenure-track position at the University of Virginia. Detailed information and application instructions are available at https://engineering.virginia.edu/rising-scholars-postdoctoral-program.

Application Instructions
Apply for this position in Interfolio. Provide the following in PDF format:

- Cover letter that summarizes your areas of research/scholarship and areas of potential collaboration at the University of Virginia. To help us organize our review of applications, please also specifically list your primary areas of research in boldface at the top of your letter.
- Curriculum vitae.
- A statement describing your current research, future directions, and broader impacts.
- A statement describing your teaching and mentoring practices, especially in regard to a residential learning environment marked by the free and collegial exchange of ideas.
- A statement describing demonstrated contributions to fostering inclusive practices that create climates in which all stakeholders can achieve their maximum potential (please focus on skills and experience, not beliefs and opinions).
- A single file that includes two research papers that best represent your work.

You will also request 3–5 references directly in Interfolio by providing names and contact information in the application. These reference requests will be generated immediately once you submit your application.

Review of applications will begin on October 15, 2024 and will continue until the position is filled. The University will perform background checks on all new faculty hires prior to making a

final offer of employment.

For questions about this position, please contact Mathews Jacob, Professor, Electrical and Computer Engineering at mjacob@virginia.edu.

Equal Employment Opportunity Statement
The University of Virginia, including the UVA Health System, which represents the UVA Medical Center, Schools of Medicine and Nursing, UVA Physicians Group, and the Claude Moore Health Sciences Library, is fundamentally committed to the diversity of our faculty and staff. We believe diversity is excellence expressing itself through every person's perspective and lived experiences. We are equal opportunity and affirmative action employers. All qualified applicants will receive consideration for employment without regard to age, color, disability, gender identity or expression, marital status, national or ethnic origin, political affiliation, race, religion, sex, pregnancy, sexual orientation, veteran or military status, and family medical or genetic information.

The University of Virginia offers confidential Dual Career Services to partners of incoming faculty candidates. To learn more, please visit dualcareer.virginia.edu