



## **Faculty Position in the Grado Department of Industrial and Systems Engineering Virginia Tech – Assistant Professor, Systems Engineering**

The Grado Department of Industrial and Systems Engineering (ISE) at Virginia Tech invites applications for a tenure-track faculty position at the rank of Assistant Professor, effective August 2023. We seek outstanding candidates for a focus on *Systems Engineering*, with areas of interest including, but not limited to, systems engineering theory, artificial intelligence intersections with systems engineering, digital engineering and model-based systems engineering, engineering design, engineering management, complexity sciences, socio-technical systems, and systems architecting and modeling. Application domain areas of interest include, but are not limited to, defense and aerospace systems, cyber-physical systems, healthcare systems, cybersecurity, transportation, public policy, energy, and environment. We are seeking candidates motivated to contribute to a collegial, interdisciplinary community with a strong tradition of both fundamental and applied research, high-quality teaching, and mentoring.

The ISE Department has 33 tenured/tenure-track faculty, with an additional eight non-tenure-track instructional and research faculty. Six faculty are recent early investigator recipients, and numerous others have received international or national recognition. Academic programs and research in the department encompass Management and Systems Engineering, Human Factors and Ergonomics, Manufacturing, and Operations Research. Candidates will thus have the opportunity to work with a broad range of departmental faculty, as well as with faculty in many other colleges, centers, and institutes at Virginia Tech. The department is home to approximately 600 undergraduate students, 100 master's students, and 115 doctoral students. The undergraduate and graduate ISE programs are currently ranked fourth and seventh, respectively, by U.S. News & World Report. Additional information is available at: [www.ise.vt.edu](http://www.ise.vt.edu).

Virginia Tech is a public land-grant university, committed to teaching and learning, research, and outreach to the Commonwealth of Virginia, the nation, and the world. Building on its motto of *Ut Prosim* (that I may serve), Virginia Tech is dedicated to InclusiveVT—serving in the spirit of community, diversity, and excellence. Virginia Tech actively seeks a broad spectrum of candidates to join our community in preparing leaders for the world. The College of Engineering undergraduate program ranks 16<sup>th</sup> and graduate program ranks 31<sup>st</sup> among all U.S. engineering schools (USN&WR). The mission of the College of Engineering is to educate and inspire our students to be critical thinkers, innovators and leaders. Our core values are inclusiveness, excellence, integrity, perseverance and stewardship. Virginia Tech's main campus is located in Blacksburg, VA, in an area consistently ranked among the country's best places to live. In addition, our facilities in the Washington, D.C., area offer unique proximity to government and industry partners and is also expanding rapidly, with Virginia Tech's exciting new Innovation Campus in Alexandria, VA, slated to open in 2024.

Candidates are expected to lead innovative scholarship and research, develop and sustain an externally-funded research program, teach and mentor undergraduate and graduate students, and serve the university and the profession. The position requires a Ph.D. in industrial and systems engineering, systems engineering, operations research, or a closely related field. Successful candidates will have a record of academic accomplishments and a demonstrated ability to work collaboratively, commitment to interdisciplinary research, and a willingness to expand disciplinary boundaries to address complex technical and societal challenges. The successful candidate will be required to have a criminal conviction check.

Applicants must apply online at [jobs.vt.edu](http://jobs.vt.edu) (posting number 522191). Application materials include a cover letter, CV, three separate statements limited to three pages each (teaching interests and philosophy, research interests, and contributions to advancing diversity, equity, and inclusion), up to three relevant research publications, and contact information for at least three professional references. Review of applications will commence November 21, 2022 and continue until the position is filled. Questions regarding the positions should be directed to Dr. Peter Beling ([beling@vt.edu](mailto:beling@vt.edu)). For assistance submitting the application, please contact [ise-search@vt.edu](mailto:ise-search@vt.edu).

The department fully embraces Virginia Tech's commitment to increase faculty, staff, and student diversity; to ensure a welcoming, affirming, safe, and accessible campus climate; to advance our research, teaching, and service mission through inclusive excellence; and to promote sustainable transformation through institutionalized structures. Virginia Tech does not discriminate against employees, students, or applicants on the basis of age, color, disability, sex (including pregnancy), gender, gender identity, gender expression, genetic information, national origin, political affiliation, race, religion, sexual orientation, or veteran status, or otherwise discriminate against employees or applicants who inquire about, discuss, or disclose their compensation or the compensation of other employees or applicants, or on any other basis protected by law. If you are an individual with a disability and need an accommodation, please contact Ms. Heather Parrish ([parrish1@vt.edu](mailto:parrish1@vt.edu), 540-231-9079).