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

The Grado Department of Industrial and Systems Engineering (ISE) at Virginia Tech invites applications for a tenured/tenure-track faculty position at the rank of Assistant or Associate Professor, effective August 2022. We seek outstanding candidates for a focus on **Systems Engineering and Analysis**, with areas of interest including, but not limited to, model-based systems engineering, systems engineering theory, complexity sciences, socio-technical systems, digital engineering, and systems modeling. Application domain areas of interest may include defense and aerospace systems, health systems, cyber security, 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 34 tenured/tenure-track faculty, with an additional seven non-tenure-track instructional and research faculty. Four faculty are recent early investigator recipients, and numerous other faculty have received international or national recognition. Academic programs and research in the department encompass Human Factors and Ergonomics, Manufacturing, Management and Systems Engineering, 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 620 undergraduate students, 80 master's students, and 110 doctoral students. The undergraduate and graduate ISE programs are currently ranked third and eighth, respectively, by U.S. News & World Report. Additional information is available at: 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 13th and graduate program ranks 31st 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 as well as documentation of COVID-19 vaccination or receive approval from the university for a vaccination exemption due to a medical condition or sincerely held religious belief.

Applicants must apply online at *jobs.vt.edu* (posting number 517993). 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 December 6, 2021 and continue until the position is filled. Questions regarding the positions should be directed to Dr. Navid Ghaffarzadegan (navidg@vt.edu, 540-538-8434). For assistance submitting the application, please contact 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, 540-231-9079).