



COLLEGE OF ENGINEERING
GRADO DEPARTMENT OF
INDUSTRIAL AND SYSTEMS ENGINEERING
VIRGINIA TECH.

Faculty Position in the Grado Department of Industrial and Systems Engineering
Virginia Tech – Collegiate Assistant/Associate Professor or Assistant/Associate Professor of Practice in
Advanced Manufacturing

The Grado Department of Industrial and Systems Engineering (ISE) at Virginia Tech invites applications for a faculty position in **Advanced Manufacturing**. The non-tenure track position will be at the rank of Assistant or Associate and may be appointed as either a Professor of Practice or Collegiate Faculty, effective August 2022. We seek outstanding candidates to teach in one or more of the following areas: Industry 4.0, manufacturing processes, lean manufacturing, facilities planning, and statistical quality control. This position is targeted to fulfill part of a coordinated team hiring effort that spans multiple departments across the College of Engineering for a new initiative focused on future manufacturing and construction engineering. This hire will further strengthen a well-established interdisciplinary team focused on the convergence of Industry 4.0 technologies including autonomous systems, artificial intelligence, virtual/augmented reality, human-centered infrastructure systems, additive manufacturing, wireless, and cyber-physical security. We are particularly interested in candidates with expertise that can integrate strongly with this interdisciplinary team of faculty and contribute to its growth and leadership.

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 teach, mentor undergraduate students, and serve the university and the profession. The position requires a Master's degree for appointment to Professor of Practice and the Ph.D. for appointment to Collegiate Faculty, with the degree in industrial and systems engineering or a closely related field. Successful candidates must have experience in one or more of the areas listed, and prior experience teaching is preferred. 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 518072). Application materials include a cover letter, current CV, two separate statements limited to three pages each (teaching statement (including a teaching history if applicable with summary of classes taught, enrollment, and teaching evaluations) and contributions to diversity, equity, and inclusion), 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. John P. Shewchuk (shewchuk@vt.edu, 540-231-3226). 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).