



Assistant/Associate Professor – Smart Construction and Infrastructure Systems

The Charles E. Via, Jr. Department of Civil and Environmental Engineering (CEE) at Virginia Tech invites applications for a tenured/tenure-track faculty position at the rank of Assistant or Associate Professor in Construction Engineering and Management, effective August 2024. We are seeking candidates motivated to contribute to a collegial, interdisciplinary community with a strong tradition of both fundamental and applied research. 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 successful candidate will have a Ph.D. in civil engineering or a closely related field, a record of academic accomplishments commensurate with rank, an ability to work collaboratively, a commitment to interdisciplinary research and instruction, an ability to teach subjects germane to the field and develop courses in emerging areas, and a willingness to expand disciplinary boundaries to address complex technical and societal challenges. We seek candidates focused on high impact transdisciplinary research in smart construction and infrastructure systems with an emphasis on advanced technologies such as automation, digitization and robotics and data-driven methods that will change how the built environment is planned, designed, constructed and managed. The capacity to obtain registration as a Professional Engineer (PE) is desirable, but not required.

The CEE Department has 49 tenured/tenure-track faculty and 7 professors of practice. Five faculty are recent early investigator recipients, and numerous other faculty are recognized nationally and internationally. The department is home to approximately 670 undergraduate students and 350 full-time graduate students. The civil and environmental engineering undergraduate programs are currently ranked 6th and 9th, and the civil and environmental engineering graduate programs are ranked 7th and 5th by U.S. News & World Report (USN&WR).

The CEE Vecellio Construction Engineering and Management Program (VCEMP) as one of the core program areas in CEE has an interdisciplinary group of faculty and excellent facilities to support key research, education, and outreach initiatives. The VCEMP Vecellio Endowment provides funding for undergraduate scholarships, graduate fellowships, and an annual distinguished lecture series. This hire aligns with the College of Engineering's increasing interdisciplinary capacity and disciplinary excellence focused on the future of construction and infrastructure systems as advanced technologies and data-driven decision-making reshape the civil engineering and construction industry toward provision of a more sustainable and resilient built environment. The successful applicant will have opportunities to collaborate with departmental colleagues engaged in this transformation in disciplinary areas such as Structural Engineering and Materials and from other areas of the university such as Mechanical Engineering and the Myers-Lawson School of Construction.

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 30th 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 are also expanding rapidly, with Virginia Tech's exciting new Innovation Campus in Alexandria, VA, slated to open in 2024.

Applicants must apply online at jobs.vt.edu (posting number 527319). Application materials include a cover letter, CV, up to three relevant research publications, and contact information for at least three professional references. In addition, applicants must provide a research statement and a statement of teaching and mentoring philosophy (up to 3 pages each) including the candidate's ideas for supporting an equitable and inclusive educational environment consistent with the Virginia Tech Principles of Community; specific examples of experiences,



COLLEGE OF ENGINEERING
THE CHARLES E. VIA, JR. DEPARTMENT OF
CIVIL AND ENVIRONMENTAL ENGINEERING
VIRGINIA TECH.

200 Patton Hall
750 Drillfield Drive
Blacksburg, VA 24061
540/231-6635 Fax: 540/231-7532
www.cce.vt.edu

activities, and plans will help us identify candidates who can support and extend our University's commitment to inclusive excellence. Review of applications will commence on November 20, 2023 and continue until the position is filled. Questions regarding the position should be directed to Dr. Michael Garvin at garvin@vt.edu (540-231-7255).

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 Rachel Atwell at raesquivel@vt.edu.