

## Tenure-Track Assistant Professor Vanderbilt University

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Downloaded On: Nov. 23, 2024 8:10am

Posted Oct. 24, 2024, set to expire Feb. 25, 2025

<b>Job Title</b>	Tenure-Track Assistant Professor
<b>Department</b>	Civil and Environmental Engineering <a href="https://engineering.vanderbilt.edu/departments/civil-environmental-engineering/">https://engineering.vanderbilt.edu/departments/civil-environmental-engineering/</a>
<b>Institution</b>	Vanderbilt University Nashville, Tennessee
<b>Date Posted</b>	Oct. 24, 2024
<b>Application Deadline</b>	Jan. 15, 2025
<b>Position Start Date</b>	Available immediately
<b>Job Categories</b>	Assistant Professor
<b>Academic Field(s)</b>	Sustainable Engineering Structural Engineering Industrial & Systems Engineering Civil Engineering Engineering - Other
<b>Apply Online Here</b>	<a href="http://apply.interfolio.com/157093">http://apply.interfolio.com/157093</a>
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<b>Job Description</b>	

The Department of Civil and Environmental Engineering (CEE) at Vanderbilt University invites applications for a tenure-track assistant professor position beginning Fall 2025. The area of specialization is computational engineering for civil infrastructure systems and/or civil engineering structures.

Given the scale of data availability, civil infrastructure systems are set to tremendously benefit from

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new computational technologies that include AI, ML and data-driven engineering. The successful candidate is expected to leverage such new technological developments and work on innovative engineering research in areas such as risk-informed computational engineering of civil infrastructure systems; data-driven mobility and transportation; computational engineering for smart civil structures; among others. The research area must complement and strengthen one or more of the existing thrust areas in the CEE department in infrastructure systems engineering, materials and structural engineering, and sustainability science and engineering.

The successful candidate is expected to be closely affiliated with Vanderbilt's new College of Connected Computing - a transformative college dedicated to computational sciences, AI, data science and related fields. The successful candidate is also expected to adopt Vanderbilt's "radical collaboration" concept and leverage resources and expertise that exist within the School of Engineering, as well as the University as a whole. Vanderbilt University recently launched discovery centers in Sustainability, Energy and Climate; National Security; and Immersive AI translation to address pressing challenges in these areas of clear and immediate societal need. Leveraging these investments, Vanderbilt is set to play a big role in shaping the future of civil infrastructure locally, nationally and internationally.

The new faculty member will be expected to (i) establish a nationally recognized research program with extramural funds, (ii) teach at the undergraduate and graduate levels, and (iii) contribute to synergistic efforts within the department, school, and university. A PhD in civil engineering, or a closely related discipline must be in hand at the time of the appointment. Applications should include a (i) cover letter (ii) complete curriculum vitae, (iii) statement of research, (iv) statement of teaching, (v) service statement, and (vi) a minimum of three references. Application materials are to be submitted online at <http://apply.interfolio.com/157093>. Applications will be reviewed as they are received; those received by January 15, 2025, will be given full consideration.

Ranked #18 nationally, Vanderbilt University is a private, internationally recognized research university located on 330 park-like acres 1.5 miles from downtown Nashville, Tennessee. Its 10 distinct schools share a single cohesive campus that values collaboration. The University enrolls over 13,500 undergraduate, graduate, and professional students, including 36% minority students and over 1,100 international students from 84 countries.

With a metro population of over two million people, Nashville's top industries by employment include trade, transportation, and utilities; education and health services; professional and business services; government; and leisure and hospitality. Other industries include manufacturing, financial activities, construction, and information. Long known as a hub for health care and music, Nashville is a technology center with a considerable pool of health care, AI, and defense-related jobs available. In

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recent years, the city has experienced an influx of major office openings by some of the largest global tech companies and prime Silicon Valley startups.

### **EEO/AA Policy**

At Vanderbilt University, we are intentional about and assume accountability for fostering advancement and respect for equity, diversity, and inclusion for all students, faculty, and staff. Our commitment to diversity makes us who we are. We have created a community that celebrates differences and lets individuality thrive. As part of this commitment, we actively value diversity in our workplace and learning environments as we seek to take advantage of the rich backgrounds and abilities of everyone. The diverse voices of Vanderbilt represent an invaluable resource for the University in its efforts to fulfill its mission and strive to be an example of excellence in higher education.

Vanderbilt University is an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, or status as a protected veteran, or any other characteristic protected by law.

Vanderbilt University has made the health and safety of our students, faculty and staff and our surrounding communities a top priority. As part of that commitment, the University may require employees to comply with any testing or health and safety measures which the University may require.

### **Contact Information**

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

**Contact** Faculty Search Committee  
Civil and Environmental Engineering  
Vanderbilt University  
400 24th Avenue South  
Jacobs Hall 267

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Nashville, TN 37235

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