

## VANDERBILT UNIVERSITY TENURE-TRACK FACULTY POSITION IN CIVIL & ENVIRONMENTAL ENGINEERING

Vanderbilt University has a strong institutional commitment to recruiting and retaining an academically and culturally diverse community of faculty. Our people are committed to and manifest a welcoming, diverse, and inclusive culture that showcases respect, collegiality, and intellectual freedom. We recognize that diversity is a driver for innovative and creative solutions that benefit our society through engineering. Vanderbilt is an Equal Opportunity, Affirmative Action employer dedicated to excellence through diversity.

The Department of Civil and Environmental Engineering (CEE) at Vanderbilt University invites applications for a tenure-track position as Assistant Professor beginning Fall 2021. The area of specialization is in the broad topic of **Intelligent Community Environments and Infrastructure**, often referred to as Smart & Connected Communities. This area of research spans Intellectual Neighborhoods within the School of Engineering focused on (i) cyber-physical systems, (ii) big data science and engineering, (iii) risk, reliability and resilience, and (iv) energy and natural resources.

Our faculty are revolutionizing the ability to develop innovative solutions to aid societal well-being through the development of novel sensor networks, data analytics algorithms, and artificial intelligence enabled infrastructure management approaches. This includes a unique intelligent community environment and infrastructure capability served by testbeds located on Vanderbilt's campus, as part of the Chattanooga TN city transit system, at the Sterling Ranch community outside Denver, and along the I-24 Smart Corridor between Nashville and Atlanta. Sources of additional information include <https://engineering.vanderbilt.edu/cee/>, <https://www.vanderbilt.edu/datascience/>, and <https://www.isis.vanderbilt.edu/>.

This hire will be able to leverage research momentum the CEE faculty has achieved within the department and also collaborate closely with faculty from Computer Science and the Data Science Institute. The successful candidate is 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, environmental engineering, or a closely related discipline must be in hand at the time of the appointment, with expertise in one or more areas related to intelligent community environments and infrastructure. Applications should include a (i) cover letter (ii) complete curriculum vitae, (iii) statement of research, (iv) statement of teaching, (v) statement of diversity and inclusion, and (vi) a minimum of three references. Application materials are to be submitted online at <http://apply.interfolio.com/81978>. Applications will be reviewed as they are received; those received by January 15, 2021 will be given maximum consideration.

Located on 330 park-like acres 1.5 miles from downtown Nashville TN, Vanderbilt is a private, internationally recognized research university that embraces convergent research frontiers and delivers challenging and high-quality educational and immersion experiences to a diverse group of learners. The University offers a full range of undergraduate, graduate, and professional degrees. The School of Engineering is on a strong upward trajectory in national and international stature and prominence, and it has built infrastructure to support a significant expansion in faculty size.

Long known as a hub for health care and music, Nashville is a technology center with a considerable pool of health care, artificial intelligence, and defense-related jobs available. In 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. With a metro population of approximately 1.9 million people, Nashville has been named one of the 15 best U.S. cities for work and family by Fortune, was ranked as the #1 most popular U.S. city for corporate relocations by Expansion Management, and was named by Forbes as one of the 25 cities most likely to have the country's highest job growth over the coming five years.