

Fall 2014 Advertisement

VANDERBILT UNIVERSITY

TENURE TRACK FACULTY POSITION

CIVIL AND ENVIRONMENTAL ENGINEERING -

BIG DATA SCIENCE AND ANALYTICS APPLIED TO
RISK & RELIABILITY OF THE BUILT ENVIRONMENT

Vanderbilt University, Department of Civil and Environmental Engineering, is seeking candidates to fill a tenure-track faculty position commencing Fall 2015. An appointment at the assistant professor level is anticipated but higher ranks may be considered for truly outstanding candidates. The successful candidate will have research expertise in big data science and analytics pertaining to risk and reliability in civil and environmental systems engineering including the urban built environment, intelligent energy and transportation infrastructure systems, and the security and sustainability of cyber-physical civil structures and infrastructure. Synergy with the departmental (<http://engineering.vanderbilt.edu/cee/Research/index.php>) and school (<http://engineering.vanderbilt.edu/research/StrategicResearchAreas.php>) interdisciplinary research thrust areas is essential. The successful candidate will carry out high-impact independent research and collaborate effectively with researchers within and beyond the department. Successful candidates are also expected to develop an externally funded, nationally recognized research program. The successful candidate also will have a strong commitment to teaching at the undergraduate and graduate levels. Teaching responsibilities will include core civil and/or environmental engineering courses, as well as advanced courses in his or her area of specialization. Candidates must have an earned Ph.D.

Applications should be submitted online at <https://academicjobsonline.org/ajo/jobs/2905>. Applications should include (i) vitae and publication list, (ii) statement of research, (iii) statement of teaching, and (iv) four references. For questions or problems with the online application procedure, send an email to cee2-faculty-search@vanderbilt.edu. Applications will be accepted until November 1, 2014 or until the position is filled.

Vanderbilt University is a private, internationally renowned research university located in vibrant Nashville, Tennessee. Its 10 distinct schools share a single cohesive campus that nurtures interdisciplinary activities. The School of Engineering currently comprises 90 tenured and tenure-track faculty, operates with an annual budget of over \$100 million including \$70 million of externally funded research, and teaches 1,300 undergraduate and over 400 graduate students. The School of Engineering over the past decade has been on a strong upward trajectory in its national and international stature and prominence, and is in a period of growth in terms of faculty and facilities. In the 2014 rankings of graduate engineering programs by U.S. News & World Report, the School ranks 3rd among programs with fewer than 100 faculty. Faculty from the Department of Civil & Environmental Engineering lead several thriving research centers and institutes including the Consortium for Risk Evaluation with Stakeholder Participation, Institute for Energy and Environment, and Graduate Studies in Reliability and Risk Engineering and Management. The addition of the new 20,000 square foot Laboratory for Systems Integrity and Reliability for full-scale testing offers a unique opportunity for bringing together computational and physical

experiments to help solve major problems in energy, security, and other areas of importance to society.

With a metro population of approximately 1.5 million people, Nashville has been named one of the 15 best U.S. cities for work and family by Fortune magazine, was designated the South's Red Hot Town by TIME magazine, was ranked as the number one most popular U.S. city for corporate relocations by Expansion Management magazine, and was identified by Forbes magazine as one of the 25 cities most likely to have the country's highest job growth over the coming five years.