

Faculty Positions in Civil and Environmental Engineering Southern Methodist University

The Civil and Environmental Engineering Department (CEE) of Southern Methodist University (SMU) seeks to fill new faculty positions at the level of Assistant Professor (Position No. 53589), Associate Professor, or Professor. Eligible candidates will be considered for endowment as the Solomon Professor for Global Development (Position No. 53812) and the Addy Family Centennial Professor (Position No. 53811). The position endowed by the Solomon Professor for Global Development will be affiliated as a Senior Fellow with the Hunter and Stephanie Hunt Institute (HI) for Engineering and Humanity at the Bobby B. Lyle School of Engineering at SMU.

Candidates must have earned a doctorate degree in civil or environmental engineering or a closely related field with strong credentials in research and scholarly activities, and, at the senior level, demonstrated ability to obtain sponsored research from government and industry. The successful candidates must have strong leadership and collaboration skills, as well as a solid commitment to quality undergraduate and graduate education, and the ability to promote innovative and integrated educational and research activities. The department seeks candidates with research interest(s) in the following interdisciplinary areas:

- *Smart and Resilient Cities/Infrastructure*: The integration of informatics into the planning, design, and management of civil infrastructure elements; civil infrastructure resiliency for extreme environments or under multiple hazards; smart and connected communities; infrastructure interdependency; health monitoring and preserving aging civil infrastructure; and smart and sustainable buildings and other infrastructure components.

- *Global and Sustainable Development*: The water, energy, food nexus; civil infrastructure planning for inclusive economy; sustainable materials and design for innovative and accelerated construction; linkage between human activities, infrastructure, the environment, and health; green and livable communities; and land-use and infrastructure interactions for smart urban growth.

- *Energy Systems*: Interactions between energy and civil and environmental infrastructure systems; renewable and sustainable energy sources; biomass conversion, biofuels and bioenergy; atmosphere and energy linkage; next generation structures for energy production; green and net-zero buildings; and geothermal energy productions and applications.

SMU is a private, nonsectarian university of 11,000 students located in University Park, a highly regarded residential community that is 15 minutes north of downtown Dallas. SMU offers strong undergraduate, graduate and professional programs through seven schools – Dedman College of Humanities and Sciences, Cox School of Business, Meadow School of the Arts, Lyle School of Engineering, Perkins School of Theology, Dedman School of Law, and Simmons School of Education and Human Development. SMU's The Second Century Campaign was the largest fundraising initiative in SMU's history, exceeding their goal of \$1 billion by raising \$1.15 billion by the end of 2015. Visit: www.smu.edu/SecondCentury.aspx.

The SMU Lyle School of Engineering is committed to developing the new American engineer, who is prepared to excel and lead in creating new economic opportunities while meeting the most difficult challenges facing society. The Lyle School maintains a steadfast focus on using engineering to address important issues both at home and around the world. The CEE Department offers B.S., M.S., and Ph.D. degrees in civil and environmental engineering, as well as a professional M.A. degree in Sustainability and Development. The department is currently developing new undergraduate and graduate themes within these degrees for the areas noted above, as well as leadership and entrepreneurship. Additional information is provided at: <http://www.smu.edu/lyle/departments/cee>.

The Hunt Institute for Engineering and Humanity has three long-term goals: (I) Prepare the engineer of the future to solve pressing humanitarian issues through skilled expertise and leadership; (II) Form strategic partnerships with business, academia, government and other organizations; and (III) Serve as an aggregator and facilitator between communities needing innovative solutions and the organizations building those solutions. The Institute works both locally and globally, focusing on fostering innovations towards sustainable solutions to improve the lives of those

living in poverty, working in close collaboration with partner communities. For more information, please visit: <http://www.smu.edu/Lyle/Institutes/HuntInstitute>.

Interested and qualified individuals should send a letter of application, curriculum vitae, and a statement of research, education, and accomplishments to ceejobs@smu.edu (preferred) or by mail to: Dr. Khaled Abdelghany, Search Committee Chair, CEE Department, Bobby B. Lyle School of Engineering, Southern Methodist University, Box 750340, Dallas, TX 75275-0340. The positions are expected to begin in August 2017, January 2018, or August 2018. To ensure full consideration, applications must be postmarked prior to January 31, 2017. The committee, however, will continue to accept applications until the position is filled.

SMU will not discriminate in any program or activity on the basis of race, color, religion, national origin, sex, age, disability, genetic information, veteran status, sexual orientation, or gender identity and expression. The Executive Director for Access and Equity/Title IX Coordinator is designated to handle inquiries regarding nondiscrimination policies and may be reached at the Perkins Administration Building, Room 204, 6425 Boaz Lane, Dallas, TX 75205, 214-768-3601, accessequity@smu.edu.