

TEXAS TECH UNIVERSITY -The Civil, Environmental, and Construction Engineering (CECE) Department invites applications for a full-time tenure-track position in structural and building systems at the assistant/associate professor level. The Whitacre College of Engineering has identified four major research thrust areas as part of the current strategic plan – namely, water, energy, infrastructure (with emphasis on internet of everything applications) and engineering medicine, with nanotechnology and big data applications as cross-cutting themes. Strong preference will be given to candidates whose research interests in structural and building systems are aligned with one or more of these areas or themes. Candidates with a demonstrated record of multi- or transdisciplinary research at the component, building and systems scales in one of the following areas are strongly encouraged to apply: a) topology optimization and visualization; b) smart sensing and computer vision applications; c) smart grid applications; d) computational modeling of system resilience under extreme hazards; e) bio-inspired and bio-derived material applications; and f) advanced manufacturing applications. The successful candidate will be expected to develop an externally-funded and internationally-recognized program of independent and collaborative research, supervise graduate students, teach undergraduate and graduate classes in CECE, and serve the Department, the Whitacre College of Engineering, and the University. It is desirable that the candidate be able to secure professional licensure. Applicants must hold a doctoral degree in Civil Engineering or a closely related field at the time of appointment.

The CECE Department is home to 28 tenure-track/tenured faculty, including a Horn Professor (highest university faculty designation), and the Donovan Maddox Distinguished Chair in Engineering, both of whom are National Academy of Engineering (NAE) members. The Donovan Maddox Chair heads a first-of-its-kind research lab (housed at the Maddox Engineering Research Center) in pursuit of fundamental and applied research on contaminated sediments and sustainable water resources. The CECE department also houses two university-level research centers including the Water Resources Center (WRC) and the Texas Tech Center for Multidisciplinary Research in Transportation (TechMRT). The WRC conducts research at the nexus of food, energy and water. TechMRT's research portfolio spans traditional and emergent areas of research including connected vehicles, novel material systems for next-generation pavements, and bio-inspired materials for climate resilient infrastructure. Other university level leadership involving department faculty include the directorship of the National Wind Institute (NWI) at Texas Tech. NWI is world renowned for its work in wind hazard and energy, and active collaborations at NWI include strong federal, state and industrial research partnerships. Department faculty's research activity spans regional, national and international research, exceeding 9.5 million dollars in current sponsored research, while citations of their published work exceed 15,500 in the Scopus database, and over 25,000 citations in Google Scholar. Additional information about the department is available at www.depts.ttu.edu/cweb/. The department awards bachelor's degrees in Civil Engineering (BSCE) and Construction Engineering (BSConE), master's and doctoral degrees in Civil Engineering, as well as a five-year professional Master of Environmental Engineering (MEnvE) degree. Current enrollment is approximately 575 undergraduates and 100 MEnvE majors. Roughly 110 MS and PhD students engage in graduate research, with more than half being doctoral students.

Texas Tech University is a comprehensive university with 36,550 students enrolled in twelve schools and colleges across campus. The Texas Tech University Health Sciences Center (TTUHSC) located across campus houses the school of biomedical sciences and the school of medicine, offering opportunities for research collaborations at the intersection of engineering and medicine. The CECE department is part of an inclusive community of scholars in the Whitacre College of Engineering that places high value on diversity as an enabler of inspirational, high-quality experiential education, synergies between undergraduate and graduate research, and transformative multidisciplinary collaborations. Texas Tech University is among 115 universities and colleges in the Carnegie Classification of Institutions of Higher Education's "Highest Research Activity" category. The university is located in Lubbock, Texas. The city is renowned for its friendly people, pleasant climate, and commitment to the University. In recent years, Lubbock has been ranked in the top quartile of cities in the U.S. for socio-economic and demographic growth.

Review of applications will commence immediately and will continue until the position is filled. Full consideration will be given to applications received by October 1, 2017. It is anticipated that the appointment will begin in the fall of 2018. To apply, go to <http://www.texastech.edu/careers/faculty-positions.php> and search for Requisition ID 11504BR. Please upload (preferably in PDF format) [1] a cover letter, [2] detailed curriculum vita, and [3] other documents (as requested on the application website) including statements of research and teaching interests, and the names, physical and email addresses, and telephone numbers of three references.

As an Equal Employment Opportunity/Affirmative Action employer, Texas Tech University is dedicated to the goal of building a culturally-diverse faculty committed to teaching and working in a multicultural environment. We actively encourage applications from all those who can contribute, through their research, teaching, and/or service, to the diversity and excellence of the academic community at Texas Tech University. The university welcomes applications from minorities, women, veterans, persons with disabilities, and dual-career couples.