

The University of Texas of El Paso
College of Engineering
Department of Civil Engineering
Advanced Construction Technologies
Tenure Track Assistant Professor

The Department of Civil Engineering at The University of Texas at El Paso (UTEP) invites applications for a full-time tenure-track position at the rank of assistant professor to start in the Fall 2023 semester in the area of **advanced construction technologies**. The creation of this position is motivated by the need to develop construction technologies that will lead to a reduction in construction time and cost while enhancing construction and operation safety.

The successful candidate is expected to: (1) contribute to the Department's undergraduate and graduate (MS and PhD) programs; (2) develop a sustainable, nationally recognized and externally funded research program; (3) participate in inter-disciplinary research with colleagues within and outside the Department, including other departments at UTEP, and our national and international partners; and (4) advise and mentor students in their education, research, and professional development consistent with the missions of the Department, the College, and the University.

Qualifications:

Applicants should have earned a Ph.D. degree in civil engineering or a closely related field. We are seeking a scholar with strong capability and passion to apply/expand expertise in construction technology and other related civil engineering sub-disciplines. Candidate should demonstrate teaching and research capabilities in at least one of the following emerging technologies/tools and applications for infrastructure projects: Advanced Unmanned Aircraft Systems, Internet of Things, 3D printing, BIM, Digital Twin, Virtual Reality, and Augmented Reality.

Preferred Qualifications:

Industry experience

Technology implementation experience to real-world construction applications.

About UTEP:

The University of Texas at El Paso is America's leading Hispanic-serving university. Located at the westernmost tip of Texas, where three states and two countries converge along the Rio Grande, UTEP is a public research university that transforms lives. More than half of our undergraduates are the first in their families to go to college. At UTEP, our more than 24,000 students have access to 168 bachelor's, master's, and doctoral degree programs in nine colleges and schools. UTEP is the only top-tier research university in America with a 100% admission rate.

Located in the second-most educated city in Texas, UTEP is recognized as one of the best research universities in the country for connecting students with the community around them. UTEP is one of only four institutions in Texas to hold both the top research and community engagement distinctions from the Carnegie Classification of Institutions of Higher Education.

UTEP advances discovery of public value and positively impacts the health, culture, education, and economy of the community it serves. With more than \$109 million in total annual research expenditures, the University is ranked among the top tier of colleges and universities in research and sixth in Texas for federal research expenditures at public universities.

The University employs more than 5,000 faculty, staff, and students. It has one of the lowest out-of-pocket costs of any research university in the U.S., underscoring its commitment to offer an exceptional education at a great value.

About the College of Engineering and Civil Engineering Department:

The [College of Engineering](#) has seven departments with nearly 120 full-time faculty and over 4,500 students. The college is consistently ranked in the top 5 schools in the continental U.S. in awarding bachelor degrees to Hispanics.

The [Department of Civil Engineering](#) has 19 full-time faculty and over 700 students enrolled in accredited BS in Civil Engineering, BS in Construction Engineering & Management, MS in Civil Engineering, ME in Civil & Environmental Engineering, and PhD in Civil Engineering degree programs. The Department organizes and actively encourages its students to participate in its global programs, including the faculty-led study abroad programs to Czech Republic, Mexico, Peru, Colombia as well as the Dual Master Degrees Program in Smart Cities with the Czech Technical University.

UTEP strongly encourages inter-disciplinary research, and the Department of Civil Engineering is one of the leaders in the United States in Real-Time/Continuous Construction Monitoring and Controls. The International Society for Intelligent Construction has provided access to its worldwide network of experts in that area. UTEP plays a significant role in that area in the National Road Research Alliance (a research group comprising of ten DOTs).

The civil engineering faculty members participate in research activities through the following centers affiliated with the Department: Center for Transportation Infrastructure Systems ([CTIS](#)); Center for Environmental Resource Management ([CERM](#)); Center for Inland Desalination Systems ([CIDS](#)); NSF-Funded Engineering Research Center for Advancing Sustainability through Powered Infrastructure for Roadway Electrification ([ASPIRE](#)); NSF-Funded Engineering Research Center for Nanotechnology ([NEWT](#)); USDOT-Funded Center for Advanced Infrastructure and Transportation ([CAIT](#)); USDOT-Funded Southern Plains Transportation Center ([SPTC](#)); USDOT-Funded Center for Connected Cities for Smart Mobility towards Accessible & Resilient Transportation ([C2SMART](#)); USDOT-Funded Center for Transportation, Environment & Community Health ([CTECH](#)); USDOT-Funded Center for Advancing Research in Transportation Emissions, Energy, and Health ([CARTEEH](#)); DHS-funded Center for Accelerating Operational Efficiency ([CAOE](#)).

Application Instructions:

Please apply online at www.utep.edu/employment. Review of applications will begin immediately, and applications will be accepted until the position is filled.

Candidates must submit: (1) a cover letter, (2) a detailed curriculum vitae, (3) contact information for at least three professional references, (4) degree transcripts, (5) a statement of research (maximum two pages), and (6) a statement of teaching philosophy and teaching interests (maximum two pages). Questions about this position should be directed to the Search Committee Chair, Dr. Adeeba Raheem aaaraheem@utep.edu.

Hiring decisions are based on budget approval.

In keeping with its Access and Excellence mission, UTEP is committed to an open, diverse, and inclusive learning and working environment that honors the talents, respects the differences, and nurtures the growth and development of all. We seek to attract faculty and staff who share our commitment.

The University of Texas at El Paso is an Equal Opportunity / Affirmative Action Employer. The University does not discriminate on the basis of race, color, national origin, sex, religion, age, disability, genetic information, veteran status, or sexual orientation and gender in employment or the provision of services in accordance with state and federal law. Discrimination on the basis of sex includes an employee's or prospective employee's right to be free from sexual harassment under Title IX of the Higher Education Amendments of 1972.