TEXAS A&M INTERNATIONAL UNIVERSITY

A Member of The Texas A&M University System

School of Engineering

Visiting Assistant Professor of Systems Engineering

The School of Engineering at Texas A&M International University invites applications for a Visiting Assistant Professor of Systems Engineering position for the 2023-2024 academic year. The candidate will primarily teach courses in the Systems Engineering program. The program is looking for candidates who have a robust commitment to hands-on undergraduate engineering education.

The Systems Engineering program, established in 2009 and ABET-accredited, is a transdisciplinary program that emphasizes versatility. Students in the program take courses in industrial engineering, electrical engineering, computer engineering, and mechanical engineering. Systems engineering and Senior Design courses serve as culminating points for this diverse coursework in which students seek to integrate the knowledge they acquired in designing and executing engineered solutions to modern complex problems. Senior Design projects in the past have been in diverse areas, including but not limited to, space mining and exploration, unmanned aerial and ground vehicles, Formula 1 cars, image analysis and computer vision, machine learning, intelligent systems, wearable devices, soft robotics, nanotechnology, optimization and continuous process improvement, and simulation and analysis of complex systems.

Required Qualifications:

Successful candidates must have a Ph.D. Degree in Systems Engineering, Industrial Engineering, Engineering Management, or a related discipline. Applicants close to finishing a Ph.D. will be considered if their degree completion is prior to the start of the 2023-2024 academic year.

Successful candidates must be able to teach topics such as Operations Research, Engineering Modeling and Design, Facilities Design and Logistics, Systems Simulation, Project Management, Robotics and Automation, and lower-level general engineering courses. Successful candidates will participate in ABET accreditation activities such as assessment and evaluation of student outcomes and other service activities as needed by the School. The systems engineering program has a strong tradition in senior design and teams of its students regularly participate and win accolades at competitions. Successful candidates are expected to maintain this strong tradition by possessing the ability to effectively mentor and advise students working on senior design projects and undergraduate research activities. They must have the ability to conceive cutting-edge senior design projects, solicit projects from industry and other partners, and cultivate a research-oriented culture among its students.

In addition to Systems Engineering, the School of Engineering offers two other undergraduate programs in Computer Engineering and Petroleum Engineering. There is also a Pre-Engineering program that is a bridge for transfer to other institutions. Alumni of the School of Engineering have excellent job placement in a wide range of settings, including Fortune 500 companies and various business enterprises, as well as prestigious federal, state, and local government agencies. Some companies and organizations that have hired our graduates in recent years include Lockheed Martin, Boeing, Northrop Grumman, General Motors, IBM, Microsoft, UPS, USAA, Goldman

Sachs, JP Morgan and Chase, NASA, the U.S. Department of Defense, the Texas Department of Transportation, the City of Laredo, Medline Industries, and Prolamsa Inc. Furthermore, the School of Engineering has graduates who joined prestigious graduate programs at institutions in Texas and the nation such as Texas A&M University – College Station, the University of Texas at Austin, Columbia University, and the University of Pennsylvania.

TAMIU is a growing university of over 8,000 students located in Laredo, Texas, a vibrant bi-lingual, bi-cultural city with a population of about 260,000 on the U.S./Mexico border. For more information, visit www.tamiu.edu. TAMIU offers competitive salaries (commensurate with experience and rank) and a benefits package covering health insurance, retirement benefits, and paid parental leave. Financial support for professional development opportunities, such as attending academic conferences, is also provided. Moving expenses are covered by the university.

The completed employment application must include: (1) a letter of interest that addresses the candidate's qualifications for the position, including his teaching interests, experience, and philosophy, and his vision for senior design projects; (2) Curriculum vitae; (3) Unofficial academic transcripts; and (4) The names and contact information of three professional references. Applications must be submitted online at https://employment.tamiu.edu.

Review of applications will begin April 20, 2023 and continue until the position is filled.

For more information, you can contact Dr. Kenneth Tobin, Search Committee Chair, via email at ktobin@tamiu.edu or via phone at 956-326-2417.