Center for Excellence in Engineering Education Research

Director: Mehdi Shadaram

VISION/MISSION

Vision: To become a leading engineering education research center with regional and global impact.

Mission: To promote engineering education research, publicize various engineering fields, enhance students learning outcomes, foster lifelong learning, and train engineering educators.

MAJOR RESEARCH AREAS

• Engineering Education Research
• Educational Aspects of Robotics
• Cyber Security Training
• STEM Education Research
• Research Experience for Undergraduates

EXTERNAL FUNDING SOURCES

• National Science Foundation
• US Department of Army
• US Department of Energy
• US Department of Airforce
• Union Pacific
• HEB
• UT Health – San Antonio

FACULTY AFFILIATES

• Chunjiang Qian
• Yongcan Cao
• Arturo Ayon
• Karina Ivette Vielma
• Teja Guda
• Brian Kelley
• Henry Griffith
• Michell Zhang
• Qian Chen
• Nikolas Gatsis
• David Akopian
• Miltos Alamaniotis
• Sara Ahmad
• Yufang Jin
• Eugene John
• Ibukun Awolusi

QUICK FACTS

Established: 2008
Initial Funding: $800k from US Dept of Education, $360k from THECB, $280k from TX Workforce Commission, $100k from NSF, and gift funds from Union Pacific, HEB, and Haliburton.

Average Annual Expenditure: About $1M
Stipend Support for Undergraduates: about 10 per year.
Research Assistantship for Graduate Students: about 15 per year.
Travel Support for Students: about 5 per year.

PARTICIPATING LABORATORIES

• Photonic Communications
• Unmanned Systems
• Control, Computation, and Cybernetics Laboratory (C3)
• Smart Power Grids
• Systems and Control
• Autonomic Computing and Cyber Security
• Wireless Information and Next Generation Systems

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