

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 life-long 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

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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

