

Adolfo Matamoros, Director

VISION/MISSION

Vision: Transforming the way we design and manage critical systems in large, urban centers to benefit all residents.

Mission: SPUR will engage a diverse group of partners to co-design smart technologies to engineer critical systems for urbanized communities. New technologies created by the center will focus on addressing problems most significant to people in these communities: economic opportunity, equity, inclusivity, long-term sustainability, and resilience against disruptive events.

MAJOR RESEARCH AREAS

- Sustainable and Smart Cities
- Human Centered Design
- Urban Science
- AI/ML and Data Science
- Cyber Physical Systems
- Environmental and Climate Engineering

NOTABLE COLLABORATIONS

- City of San Antonio
- Idaho National Laboratory
- National Center for Atmospheric Research
- Southwest Research Institute
- Texas Advanced Computing Center
- University of Texas at Austin
- San Diego Supercomputer Center
- University of California at San Diego
- Alamo Colleges
- Georgia Tech
- Northeastern University
- ??CPS Energy
- ??San Antonio Water System
- ??San Antonio River Authority
- ??Joint Base San Antonio

STRATEGIC PARTNERSHIPS

- City of San Antonio (Innovation)
- San Antonio R&D League
- Southwest Research Institute
- USAA



QUICK FACTS

Established: 2020

Number of Faculty:

Departments Represented:

Architecture
Civil & Environmental Eng.
Computer Science
Demographics
Electrical & Computer Eng.
Information Systems & Cyber Security

Mechanical Engineering
Biomedical Engineering
Engineering Education
Kinesiology

Students Sponsored:

Total Research Expenditures:
\$859k (as of FY22)

Funding for 2022 Projects:
~\$1.5 million



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Learn more about

<https://research.utsa.edu/about/spur/index.html>