ADVANCING STRATEGIC COLLABORATION

Tecnólogico de Monterrey &
The University of Texas at San Antonio

September 29, 2023
Dr. Taylor Eighmy, UTSA President
“GREAT CITIES NEED GREAT UNIVERSITIES...”
STRATEGIC DESTINATIONS
OUR VISION FOR 2018-2028

1. Model for Student Success
2. Great Public Research University
3. An Innovative Place to Work, Learn and Discover
DESIGNATIONS OF EXCELLENCE

Tier One Research Classification
Recognizes UTSA as one of USA’s top 4% research institutions

Excelencia in Education Seal of Excelencia
Recognizes UTSA’s leadership in advancing Latino student success

Community Engagement Classification
Highlights UTSA’s commitment to serving the San Antonio region

Innovation & Economic Prosperity University
Recognizes UTSA’s leadership in fostering economic growth, prosperity and innovation.
155 INTERNATIONAL AGREEMENTS
123 academic + 32 research

139 INSTITUTIONS
34 COUNTRIES
5 CONTINENTS
UTSA is the largest university in San Antonio, which is the 7th biggest city in the United States.
SAN PEDRO I
UTSA DOWNTOWN CAMPUS
Our School of Data Science Community of Practice:
UC Berkeley | NYU | Rice | Stanford | Michigan | UNC | Virginia | Washington | Wisconsin
Our Ecosystem

Research | Education | Workforce | Economy

STRENGTHS
• Data Science
• Cyber Security
• Artificial Intelligence
• Quantum Computing
• Semi-conductors & Materials Sciences
• Biosciences
• Health Informatics
• Academic Programs

OPPORTUNITIES
• Bilateral Mexico-Texas Economy
• Cultural Alignment
• Nearshoring
• Collaborative Ecosystem
• Now is the Right Time
COLABORACIONES

Dual Master Degree in Cybersecurity

Joint Research in material science, marketing, nutrition, engineering, chemistry, computer science, AI, cybersecurity

Quantum Collaborative with Arizona State University

Student Exchange for summer research
COLABORACIONES

Human Mobility Lab
Using VR & AR to inform human mobility in the urban environment

Co-Located
faculty, staff & graduate students

Applies to Monterrey
and other urban environments

San Antonio
serves as a living lab

Awarded NSF Grants
totaling $1.1M
COLABORACIONES

ConTex enhances research collaborations connecting Texas and Mexico

Current Projects

Promoting Technology Entrepreneurship in Mexico Through Social Networking Skills Training
Dr. Dante Benito Castro Solano (TEC) and Dr. Teja Guda (UTSA)

Nano-colloids of Core-shell Particles as a New Approach for the Optical Sensing of Contaminants of Emerging Concern
Dr. Nancy Ornelas Soto (TEC) and Dr. Kathryn Mayer (UTSA)

Design of Rotor Blades to Maximize Wind Energy Production
Dr. José Francisco Herbert Acero (UTSA), ConTex Postdoctoral Fellow and TEC graduate

Dr. Solano and Dr. Guda with their research team
COLABORACIONES

UT Health San Antonio is focused on transforming health and healthcare for a diverse society

Primary driver of San Antonio’s $44B health care and biosciences sector

Six Schools - Medical, Dental, Nursing, Health Professions, Graduate, Public Health

Research Collaborations
- Obesity
- Alzheimer’s Disease
- Cancer
- Genetics
- Diabetes
- Aging
- Mitochondrial Disease
- Drug Discovery
- Mental Health, Substance Use Disorders
COLABORACIONES

**Sustainable Manufacturing Program**
- biochar for CO2 capture | advanced recycling
- carbon-fiber reinforced polymers

**Mi Salud**
- researching population health

**Longstanding history**
- and shared advisory roles

SwRI and Tec establish “El Instituto de Investigaciones” in 1950