



## 2018 Collaborative Research Grant Awardees

Sergio Alcocer,  
Juan Murcia Delso

Assessment of Seismically Retrofitted  
Concrete Buildings Following the  
2017 Earthquake in Mexico City

Universidad Nacional  
Autónoma de México,  
The University of Texas at  
Austin

Carlos Aparicio Moreno,  
Patricia Wilson

Sustainable Cities: Testing the  
Efficacy of Human-Centric Design for  
Urban Connectivity

Universidad Autónoma de  
Nuevo León,  
The University of Texas at  
Austin

Filippo Aureli,  
Anthony Di Fiore

An Integrated Approach to Protect  
Endangered Species and  
Ecosystems in the Face of Climate  
Change & Increasing Anthropogenic  
Impact in the Yucatán Peninsula

Universidad Veracruzana,  
The University of Texas at  
Austin

Marcos Capistrán,  
Tan Bui-Thanh

High Resolution Magnetic Resonance  
Elastography with Uncertainty  
Quantification

Centro de Investigación en  
Matemáticas,  
The University of Texas at  
Austin

Adrián de León Arias,  
Elsie Echeverri Carroll

Building a Database of New and  
Young Technology Firms and Their  
Networks with Local Influencers and  
Institutions as a Learning Tool to  
Promote Regional Entrepreneurship  
in Guadalajara Metropolitan Area

Universidad de  
Guadalajara,  
The University of Texas at  
Austin

Óscar Esparza del Villar,  
Jennifer Eno Louden

The Self-Stigma of Mental Illness  
Among Latinos on the U.S.-Mexico  
Border

Universidad Autónoma de  
Ciudad Juárez,  
The University of Texas at  
El Paso

Ilich Ibarra,  
Simon Humphrey

Synthesis and Characterization of  
Functionalized Metal-Organic  
Frameworks for the Capture of  
Airborne Pollutants, and for Clean  
Energy Applications

Universidad Nacional  
Autónoma de México,  
The University of Texas at  
Austin

Juan Carlos Jáuregui  
Correa,  
Krystel Castillo

Shape-Morphing Blades Coupled with  
Tailored Aerodynamic Add-Ons for  
Enhanced Wind Energy Conversion

Universidad Autónoma de  
Querétaro,  
The University of Texas at  
San Antonio

Ramsés Mena,  
Stephen Walker

Bayesian Nonparametric Time  
Dependent Models

Universidad Nacional  
Autónoma de México,  
The University of Texas at  
Austin

Jonatán Peña Ramírez,  
Justin Ruths

Attack Detection for Hybrid Cyber-  
Physical Systems

CICESE,  
The University of Texas at  
Dallas

Alberto Simpser,  
Kenneth Greene

How Do Vote-Buying Attempts  
Influence Voters, Elections, and the  
Quality of Democracy in Mexico?

Instituto Tecnológico  
Autónomo de México,  
The University of Texas at  
Austin

Jaime Urrutia  
Fucugauchi,  
James Austin, Jr.

A Gateway Revealed: Understanding  
the History of Flow Through the  
Florida Straits

Universidad Nacional  
Autónoma de México,  
The University of Texas at  
Austin