An Interdisciplinary, International Approach to Smart Cities: How can you participate?

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On behalf or a large, international, interdisciplinary group of faculty, industry and government partners.
How do you imagine a Smart City?
Our perspective of Smart Cities

A smart city is characterized by its ability to integrate **people, technology** and **information** to create a **sustainable and resilient infrastructure** that provides high-quality services for residents.
Our First Smart City Innovation Network: Diversity Drives Innovation

Expertise: Civil Engineering, Computer Science, Electrical and Computer Engineering, Systems Engineering, Health Sciences, Sociology, Anthropology.

National University Transportation Center, Aerospace Science and Technology Center, Global Sustainability Program, Cyber-Security

IEEE World’s first Smart Cities pilot site, home of the IEEE initiative “Ciudad Creativa Digital”, Living Labs Network

Telematics projects such as: statistical modeling, data visualization, data exchange between transport systems, multi-modal traffic management for sustainable transport
Doing things for common interest

Study Abroad Program for Smart Cities
2016 - 2018 – Part 1

UTEP – El Paso

• 32 students
• 8 interdisciplinary, international teams.
• Lectures, field trips.
• Defining projects pertinent to El Paso and Guadalajara
Projects Applied in Mexico and US

1st place Smart Building and IBM IoT Technology Award 2017

Every Drop Counts (EDC)

Students:
Diana S. Guerrero, Bachelor in Civil Engineering, UTEP
Jesus M. Fernandez, Bachelor in Electrical & Computer Engineering, UTEP
Oscar Alberto Santana Alvarez, PhD in Information Technologies, UdeG
Martha Mónica Gómez García, Master in Information Technologies, UdeG
IRES: US-Mexico Interdisciplinary Research Collaboration for Smart Cities

IRES cohorts working with UdeG students on Smart Mobility, Smart Safety
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Smart Cities Hackathon in May 2019 (training)
Smart Cities Projects
Smart Mobility in Flooding Events
Safe and Smart Mobility
Understanding Water Availability in the Rio Grande Area

Urban Price

The sum or amount of money or its equivalent for which water is bought, sold, or offered for sale in a city area by the local utility company.

Urban Price follows a upward trend with a 66.9673% increase of Urban Price by the end year with a peak volume of 1444.0 USD/AF in 2022 and the lowest volume of 864.84 USD/AF in 1995.

Units: USD/AF
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