



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

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On behalf of 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



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



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



IEEE World's first Smart Cities pilot site, home of the IEEE initiative "Ciudad Creativa Digital", Living Labs Network



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



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)

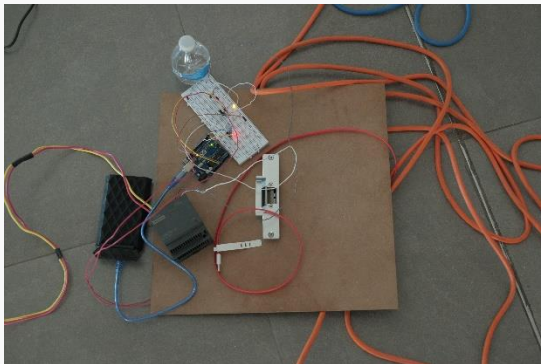
Students:

Diana S. Guerrero, Bachelor in Civil Engineering, UTEP

Jesus M. Fernandez, Bachelor in Electrical & Computer Engineering, UTEP

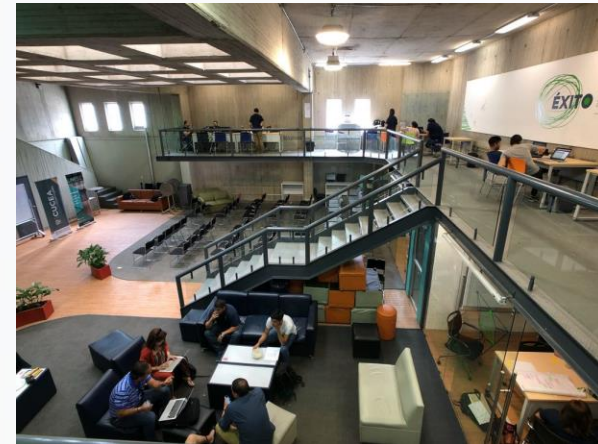
Oscar Alberto Santana Alvarez, PhD in Information Technologies, UdeG

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



IRES: US-Mexico Interdisciplinary Research Collaboration for Smart Cities

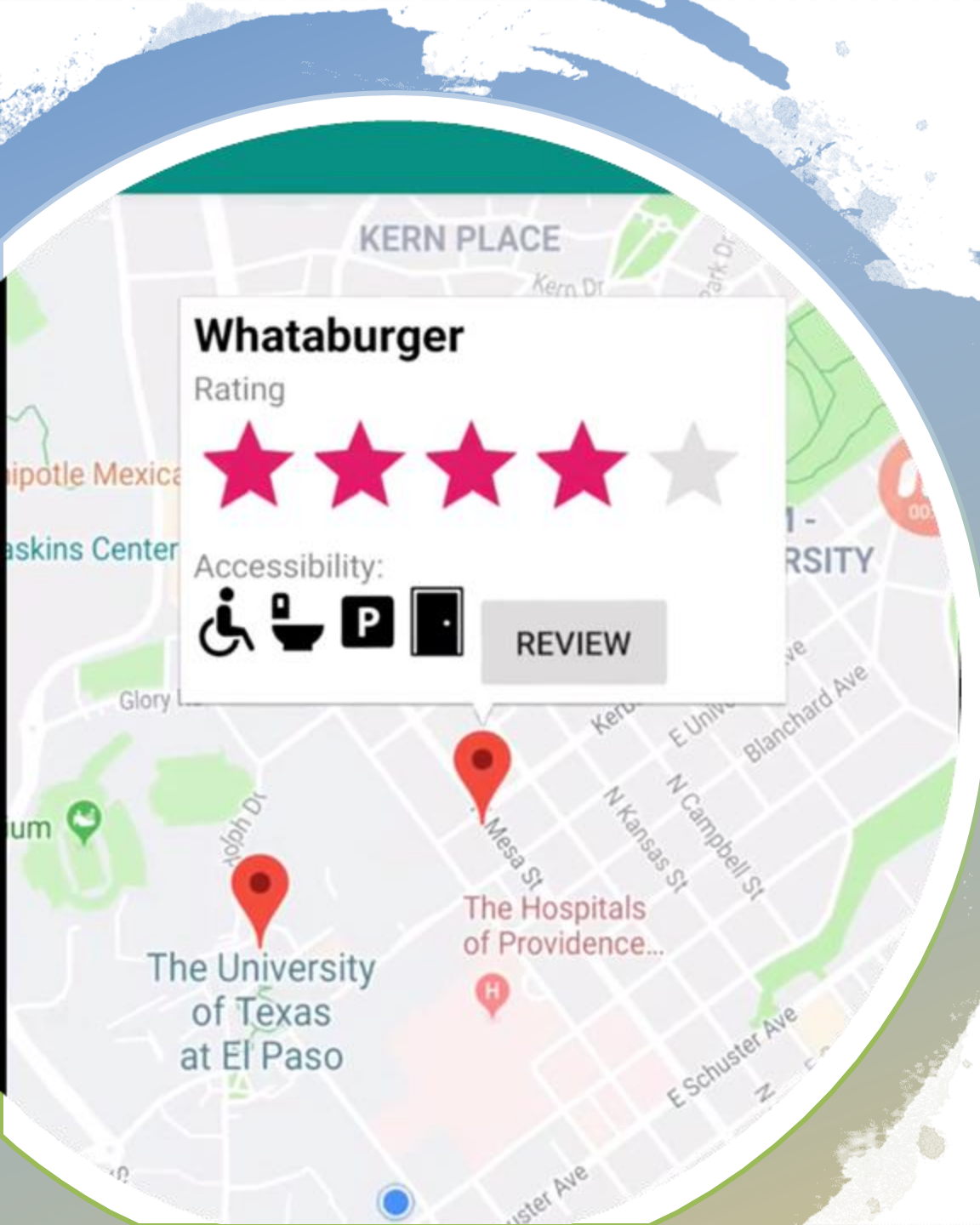
Smart Cities Hackathon in May 2019 (training)



The background features a large, irregular splash of orange and brown watercolor paint on a white surface. The splash is centered and has a textured, organic appearance with various shades of orange, from light to dark, and some brown tones. The edges are soft and feathered, with some darker spots and splatters extending outwards.


Smart Cities Projects

Accessibility



Create a Report



 CAMERA

 BROWSE



Smart Mobility in Flooding Events



Severity: Medium

Date: 2019-08-28 16:31:5



Address: 2201 Sun Bowl Dr, E,
Paso, TX 79922, USA

Severity: High

Date: 2019-08-28 16:31:26



Address: 210 Gateway N Blvd, E,
Paso, TX 79905, USA

Severity: High

Date: 2019-08-28 16:31:04



Address: Unnamed R
Chamizal, Cd Juf

Report details



Severity:

Medium

Date:

2019-08-28 16:31:59

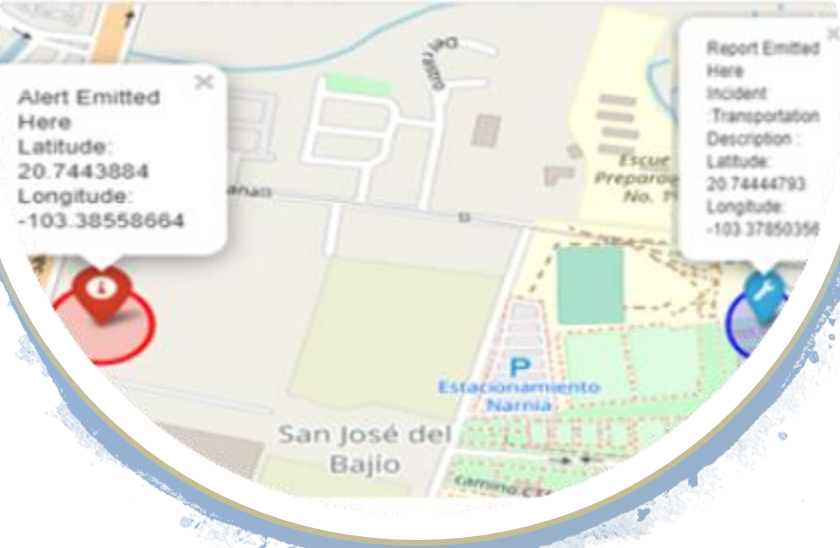
Description:

Water in the University parking lot

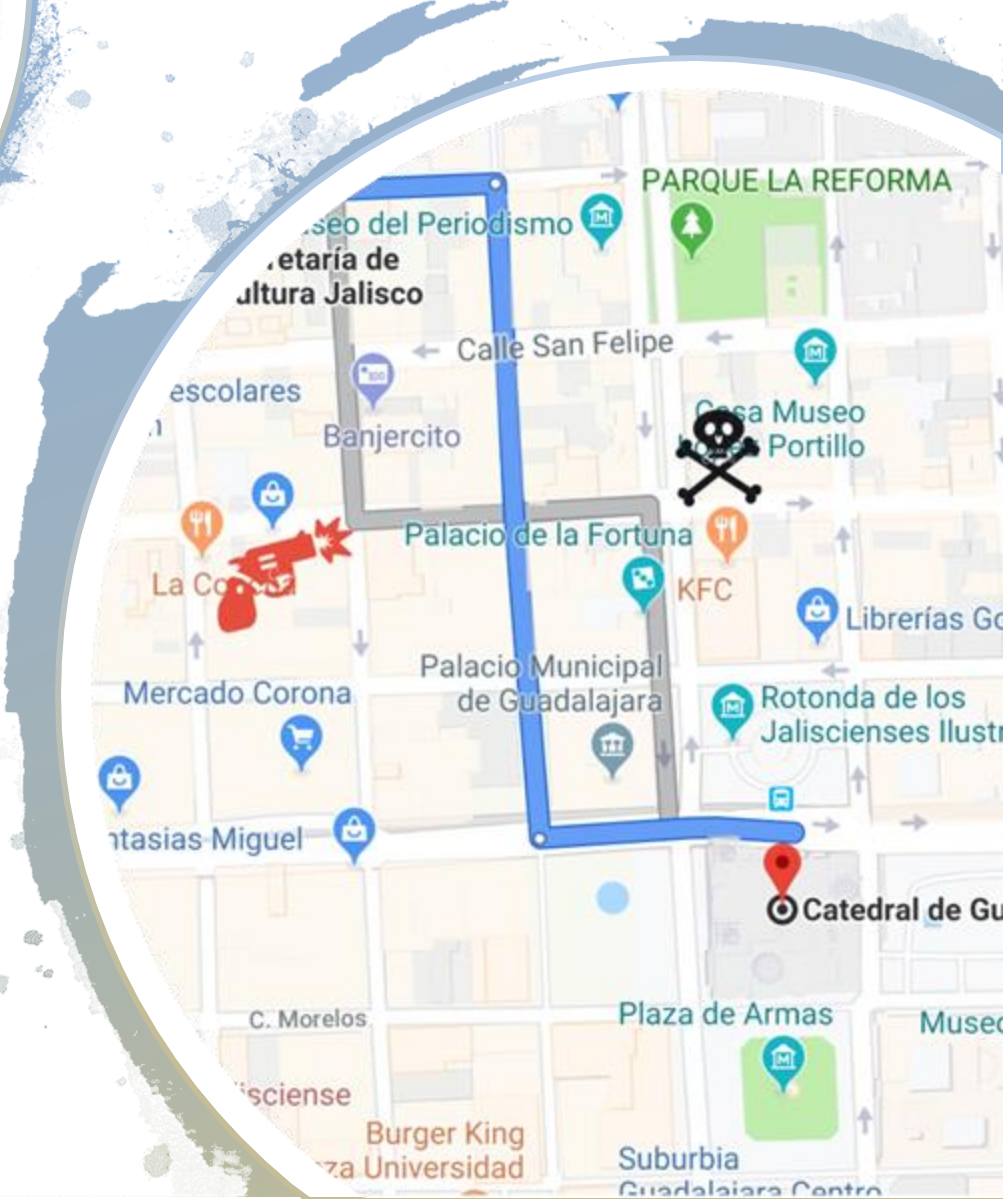
Close

63343/sss/table.html?name=Monti

UTEP Students Coll... CAHSI PPP CS4310 CS 4330/5390



Safe and Smart Mobility



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 an 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

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.

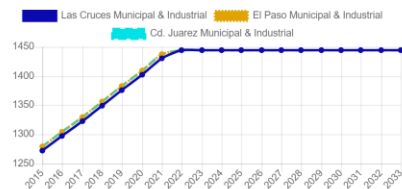
Year	Use Location	Value
1995	EPML_U_f	\$864.84
1996	EPML_U_f	\$881.88
1997	EPML_U_f	\$899.26
1998	EPML_U_f	\$916.98
1999	EPML_U_f	\$935.06
2000	EPML_U_f	\$953.50
2001	EPML_U_f	\$972.30
		avg: 1223.74846153846

Units: USD/AF

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.



Units: USD/AF

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HP México

IBM Mexico

