

LEADERSHIP IN INFRASTRUCTURE SOLUTIONS

September 21 - 23, 2016

Embassy Suites San Marcos Hotel,
Spa, and Conference Center
San Marcos, Texas


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Texas Civil Engineering Conference

#CECON



TEXASCECON.org



A young woman with long brown hair, wearing a white hard hat and a high-visibility vest, is smiling and looking at a set of architectural blueprints. The image is tilted to the right.

Attend the Texas Civil Engineering Conference (CECON 2016) – a unified gathering for civil engineers and industry professionals from across Texas and beyond.

Leadership in Infrastructure Solutions is the theme of the 2016 Conference. As engineers and industry professionals, we are entrusted to design and build infrastructure meeting society needs now and into the future. Texas' population growth, aging infrastructure, flooding, and drought are all challenges to our existing infrastructure systems. We also have new opportunities to address our infrastructure needs due to national/state legislation and funding. CECON is the event to network with civil engineers and professionals aiding in designing and building infrastructure solutions.

PARTNERS



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TECHNICAL TOUR



FRIDAY, SEPTEMBER 23 - 1:30 PM
Tour The Meadows Center for Water and the Environment: Texas State University (formerly Aquarena Springs)

The event includes:

- Glass Bottom Boat Tour
- Discovery Hall Tour
- Technical Presentation, Thom B. Hardy PhD

Families and spouses are welcome, register onsite at the conference registration desk.

Photo: Bob Phillips
www.flickr.com/tropicdiver

PROGRAM

TUESDAY, SEPTEMBER 20, 2016

9 AM Texas Concrete Pipe Association Quarterly Meeting

7 PM ASCE Texas Section President's Welcome Reception

WEDNESDAY, SEPTEMBER 21, 2016

10:30 AM Panel Discussion: Beyond Traffic 2045: Trends Impacting the Future of Traffic

12:00 PM Risk Management in Consulting

1:15 PM Breakout Sessions:

- Innovative Delivery of Projects: Better, Faster and Smarter Ways of Building and Repairing Bridges Utilizing CM/CG
- Solutions to Expansive Soil Problems
- COPRI Session

2:45 PM Panel Discussion: DBIA Collaboration Leading the Way for Infrastructure Solutions

4:45 PM Breakout Sessions:

- Essential Practices for Construction Maintenance & Retexturing of Concrete Streets
- Forensic Engineering: Why Do Things Fail?
- How to Present to Non-Engineers

7 PM Texas Concrete Pipe Association Barbecue

THURSDAY, SEPTEMBER 22, 2016

8 AM Pavement Maintenance and Management Program Perspectives: Local Streets, Toll Facilities and TxDOT Pavements

10 AM Breakout Sessions:

- Mussel Species Impact on Roads, Low Head Water Structures/Dam
- Water Resources: Storm Surge and Water Supply Recovery
- Integrated Geophysical Investigations of Earthen Dams in Texas



**GEO-
INSTITUTE**



**STRUCTURAL
ENGINEERING
INSTITUTE**

11:30 AM Use of Smart Sensors and Systems for Health Monitoring of Civil Infrastructure

1 PM Lightning Rounds

1 PM TxDOT PEPS Training

2:30 PM Breakout Sessions:

- Requirement of Senate Bill 20 and House Bill 1295
- Interactive Demonstration of Nano-Sensors (continued)
- Water Supply - Past, Present, and Future Funding Projects
- Engineering Solutions to Water Conservation and Leak Detection

3:45 PM Funding General Revenue Bonds and Legislative Panel

5 PM Legislative Reception

6 PM ASCE Texas Section Awards Ceremony and Banquet

FRIDAY, SEPTEMBER 23, 2016

7 AM Engineering Ethics: Updates, Initiatives, Statistics and Code of Conduct

8:15 AM Breakout Sessions:

- 2015 - 2016 Floods Statewide
- Structural Engineering Institute - Extreme Engineering from the Gulf Coast to the Arctic
- EWRI - Water Quality Protection in a Rapidly Growing City

9:30 AM Breakout Sessions:

- Dams 100% Deficient - What is the Impact?
- Geotechnical Institute - Energy Piles: Design and Applications, I-495 Emergency Bridge Repair Project
- Structural Engineering Institute - Bucking/Axial Capacities of Masts Used in Drilling Rigs, Lady Bird Lake Boardwalk

11:30 AM ASCE Texas Section Business Meeting and Lunch

1:30 PM Technical Tour at the Meadows Center for Water and the Environment



**ENVIRONMENTAL &
WATER RESOURCES
INSTITUTE**



**TRANSPORTATION
& DEVELOPMENT
INSTITUTE**

SPECIAL THANKS

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**Forterra Pipe and
Precast**
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