



2023 **ASCE TEXAS**
CECON
 TEXAS CIVIL ENGINEERING CONFERENCE

SCHEDULE-AT-A-GLANCE
Schedule subject to change

All rooms are at the Embassy Suites San Marcos Hotel & Conference Center, unless otherwise noted

TRACKS

Environmental & Water Resources Institute (TxEWRI)

Geo-Institute (TxGI)

Structural Engineering Institute (TxSEI)

Transportation & Development Institute (TxTDI)

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Date	Time	Room	Session Title
Tuesday, September 19	6:30 PM - 8:00 PM	Spring Lake C	ASCE Texas Section President's Welcome Reception (invite only)
Wednesday, September 20	8:00 AM - 7:00 PM	Registration	Registration Open
	9:00 AM - 4:00 PM	Placido	Speaker Ready Room
	9:00 AM - 10:00 AM	Veramendi E&F & Foyer	Exhibit Hall Opening & Networking Kickoff
	10:00 AM - 11:30 AM	Veramendi E&F	Opening Keynote: Building Our Future World Vision — Together, sponsored by Globetrotters
	11:30 AM - 12:00 PM	Foyer & Veramendi E&F	Break with Exhibitors & Lunch Buffet Opens
	12:10 PM - 1:10 PM	Veramendi E&F	Wednesday Keynote: I-35 NEX Central Project, sponsored by Plastics Pipe Institute
	1:10 PM - 1:20 PM		Break
	1:20 PM - 2:20 PM	Veramendi A	Restoring West's Future – Recovery 10 Years Later
		Veramendi B	Around the World in 45 Minutes a Geo-Case Histories Odyssey
		Veramendi C	SH 249/SH 99 Interchange: Design of Texas' 1st Curved Spliced Concrete U-Girder Bridge
		Veramendi D	Advances in Transportation Infrastructure Condition Assessment and Asset Management
		Spring Lake A	Utilization of Recycled Materials in Concrete to Promote Sustainability
		Spring Lake B	Evolution and Lessons Learned on TxDOT's Design-Build Quality Program
		Spring Lake C	Subsurface Utility Engineering (SUE) Services - What is it and How to Use it Effectively and Efficiently
	2:20 PM - 2:30 PM		Break, sponsored by Ferrovial Construction
	2:30 PM - 3:45 PM	Veramendi E&F	TxDOT District Engineers Panel
	3:45 PM - 4:00 PM		Break
	4:00 PM - 5:00 PM	Veramendi A	Got CMAR? EPWater's efforts to manage increasing number of construction projects at a time of labor and supply chain uncertainties.
		Veramendi B	Gruene River Grill Slope Stabilization
		Veramendi C	The Restoration Design and Construction of the Fallingwater House
Veramendi D		Comprehensive Safety Analysis on Texas Roadways	
Spring Lake A		Investigation of Rainfall Characteristics Using Weather Radar Network and Its Impact on Transportation Infrastructure	
Spring Lake B		Why are we running steel through contraction joints in JRPC?	
Spring Lake C	Medical District Drive - Partnering and Challenges		
5:00 PM - 5:15 PM		Break	
5:00 PM - 5:30 PM	Private Dining	ASCE Texas Section Past Presidents Council Meeting	
5:15 PM - 6:00 PM	Foyer & Veramendi E&F	Happy Hour with Exhibitors , sponsored by Five Companies	
6:30 PM - 9:00 PM	Texas State Stadium Gowen Pavilion	Social: "The Future Is Bright" Tailgate Party	
Thursday, September 21	7:00 AM - 7:00 PM	Registration	Registration Open
	7:30 AM - 4:30 PM	Placido	Speaker Ready Room
	8:00 AM - 9:00 AM	Veramendi E&F	Keynote: Planning for the future: The Texas sixed flood planning effort by TWDB, sponsored by Terracon
	9:00 AM - 9:15 AM		Break
	10:00 AM - 2:00 PM	Private Dining	TCEL Board Meeting (invite only)
	9:15 AM - 10:15 AM	Veramendi A	Liberty WWTP: Flood Mitigation Improvements and Funding Resources
		Veramendi B	Understanding & Enhancing FoS in Retaining Wall Design & Construction
		Veramendi C	Comparison of PTI vs Finite Element Method of Design and Performance for a Typical 40x70 Slab-on-Ground Project under Different Soil Design Parameters
		Veramendi D	Match Existing? The Complexity of Today's Infrastructure Improvements
		Spring Lake B	Poster Session
		Spring Lake C	K-12 STEM Activity
	10:15 AM - 10:45 AM		Break
	10:45 AM - 11:45 AM	Veramendi A	Lift Station Consolidation on a Macro Scale: The E-54 Sewer Improvement Project
		Veramendi B	Making Select Fill from Clay Soils for Pavement & Building Foundations
		Veramendi C	Bulk Material Shiploader Structure Instrumentation and Fatigue Analysis
		Veramendi D	Concrete Pavement Design & Optimization: The Design & Utilization of Concrete Overlays
		Spring Lake B	Poster Session
	Spring Lake C	K-12 STEM Activity	
	11:45 AM - 12:00 PM		Break, sponsored by OTHON
	12:00 PM - 12:30 PM		Lunch
12:30 PM - 1:15 PM	Veramendi E&F	Texas Legislative Panel	
1:15 PM - 1:30 PM		Break	
1:30 PM - 2:30 PM	Veramendi E&F	Texas Directors of Public Works Panel , sponsored by HR Green	
2:30 PM - 2:45 PM		Break	
2:45 PM - 3:45 PM	Burleson	ASCE Region 6 Board Meeting	
2:45 PM - 3:45 PM	Veramendi A	Asset Management Program for Small Systems (AMPSS) helps water and wastewater systems prepare for the future	
	Veramendi B	Use of Cement and Lime Together Gaining Steam in Texas	
	Veramendi C	Accelerated Bridge Construction: A General Overview by TxDOT	
	Veramendi D	Emerging Technologies and Innovative Corridors in Texas	
3:45 PM - 4:30 PM	Foyer & Veramendi E&F	Happy Hour with Exhibitors , sponsored by Wafflemat	
3:45 PM - 4:30 PM	Private Dining	Texas Civil Engineering Foundation (TCEF) Board Meeting	
4:30 PM - 5:30 PM	Veramendi E&F	Keynote: Texas Size Stories with The Dayripper	
5:30 PM - 6:30 PM		Break	
6:30 PM - 8:00 PM	Veramendi E&F	ASCE Texas Section Awards Ceremony & CECON Neon Lights Casino Night Gala	
Friday, September 22	7:00 AM - 3:00 PM	Registration	Registration Open
	7:30 AM - 1:00 PM	Placido	Speaker Ready Room
	7:00 AM - 8:00 AM	Foyer & Veramendi E&F	Exhibits & Coffee
	8:00 AM - 9:00 AM	Veramendi A	Comparing modeling techniques for online bioretention performance assessment
		Veramendi B	How to Design Walls and Slopes for Long Term Performance
		Veramendi C	Advances in material technology: Exploring the benefits of Grade 300 strand to make bridge construction more economical
		Veramendi D	Future of TxDOT Spatial Projects
		Spring Lake A	2023 Extreme Weather Effects on the Energy Grid Infrastructure & Beyond
		Spring Lake B	Contractual Risk Management / Anatomy of a Claim
		Spring Lake C	Risky Business: Providing Effective Risk Management for Civil Projects
	9:00 AM - 9:15 AM		Break
	9:15 AM - 10:15 AM	Veramendi A	Green and Sustainable Stormwater Examples in Southeast Texas
		Veramendi B	MSE Retaining Wall Sliding Analysis and Variation to the Analysis Approach
		Veramendi C	8:45 AM - 9:30 AM New design provisions for hooked and headed bars in the AASHTO and ACI Building Codes 9:30 AM - 10:15 AM Rethinking Wave Impact Analysis of Coastal Bridges
		Veramendi D	Multimodal/Complete Streets Planning - the evolution
		Spring Lake A	Stabilization and Preservation through Permeation
		Spring Lake B	Breaking Down Silos for Affordable Housing
	Spring Lake C	Planning and Engineering for the future - Battery and Energy Storage in Texas	
	10:15 AM - 10:30 AM		Break
	10:30 AM - 11:30 AM	Veramendi A	One Model Does Not Fit All: The Corpus Christi Stormwater Master Plan
Veramendi B		Sustainable Slope Stabilization	
Veramendi C		From the lab to structures: New technologies that may change concrete in Texas	
Veramendi D		Big Data Applications to Project Planning	
Spring Lake A		Ethics and Board Update	
Spring Lake B		Zero Contact Measurements for FAC 8 and Engineering Design	
Spring Lake C	Case Study of Re-Analyzing Three Condominiums Facing Condemnation		
11:30 AM - 11:45 AM		Break	
11:45 AM - 1:45 PM	Spring Lake B&C	Lunch with ASCE Texas Section Business Meeting, including Board Member installation Keynote: Texas State University Run to R1: Moody Center and Local Research	
1:45 PM - 2:00 PM		Break	
2:30 PM - 5:30 PM	House Zero, Austin, TX	Technical Tour: House Zero by ICON, 3D Printed Home	
2:00 PM - 5:00 PM	Veramendi G&H	ASCE Texas Section Boards of Direction Meeting (Incoming & Outgoing)	