ASCETEXAS CECON2023 CIVIL ENGINEERING CONFERENCE



#CECON2023

September 20-22 | San Marcos, TX | www.TexasCECON.org

WELCOME to #CECON2023

ASCE Texas Section's Flagship Conference

The Texas Civil Engineering Conference (CECON[™]) offers a snapshot of the best in Texas civil engineering, while providing unique opportunities to learn and build relationships across the state and beyond, contributing to the industry's technical diversity as never before.

Like the ancient Romans, including Archimedes—one of the great inventors of the future—engineers have long been on the forefront of inventing the future one invention at a time.

Our engineering ancestors created the world we know today, now it is our turn to create the world of tomorrow. How are we doing this?

- Implementing new and cutting-edge technologies and best practices
- Finding essential and emerging technologies through discovery and research

But where are we going? And what kind of future lies ahead? We will explore the possibilities at CECON 2023 – The *Future Is NOW*!

Top 4 reasons participants attend CECON:

- Build relationships with Texas civil engineers & suppliers
- Explore legislative & industry panels
- Learn from innovative technical presentations
- Earn Professional Development Hours (PDHs)

CECON offers three days of connecting with a statewide audience, while exploring what we are doing now and what comes next within our engineering community.

Thank you to the 2023 CECON Planning Committee

Sr Co-Chair: John Mudd Co-Chair: Stephen Archer Program Subcommittee: Carlos Balderrama, Layla Shawareb, Exhibitor Subcommittee Rachel Coker, Eden Thomas Sponsorship Subcommittee: Glenn Goldstein, Victoria Dieu Budget Subcommittee: Anna Olveda Lightning Rounds, Posters: Chris Nance, Jess Hilscher Younger Member Subcommittee: Joe Alvarez, Farrah, Alexis Texas Section Government Affairs Committee: Michael Bloom, Sofia Carrillo CECON Advisor: Andrew Domke Institute Partners Subcommittee: Mark Boyd (VP Tech), Robert Lawrence (TxGI), Bobby Nagel (TxUESI), Marcelo DaSilva (TxSEI), Surya Bhandari (TxTDI)

CECON 2023 Official Program

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ASCE TEXAS CECON2023 CIVIL ENGINEERING CONFERENCE

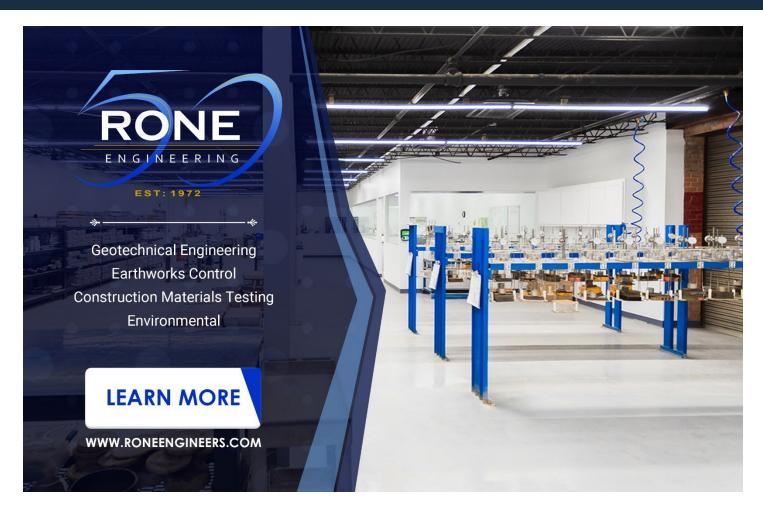
ASCE Texas Section

Executive Director Jenni Peters, CAE | jpeters@texasce.org

Operations Specialist & Board Secretary Mike Sosa | msosa@texasce.org

Marketing Communications Coordinator Kim Garcia | kgarcia@texasce.org

(512) 472-8905 | www.TexASCE.org | office@texasce.org



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Wiss, Janney, Elstner Associates is a global firm of structural engineers and materials scientists committed to helping clients solve, repair, and avoid problems in the built world.

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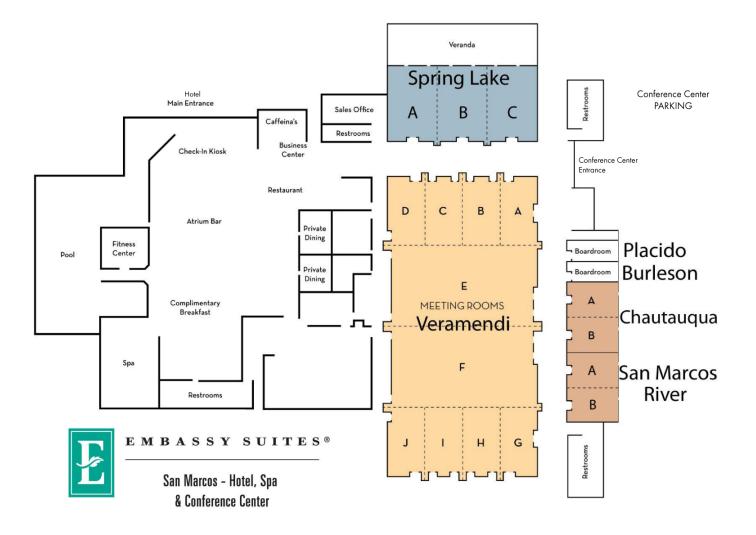
/ Structural Engineering / Materials Engineering // In-House Laboratory **Field Testing** Forensics

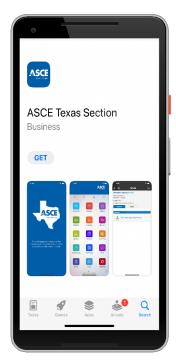




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www.TexasCECON.org

			Schedule subject to change.
Date	Time	Room	Session Title
Tuesday, Sentember 19	6:30 PM - 8:00 PM	Spring Lake C	ASCE Texas Section President's Welcome Reception (invite only)
September 19			
	8:00 AM - 7:00 PM	Registration	Registration Open
	9:00 AM - 4:00 PM	Burleson	Speaker Ready Room
	9:00 AM - 10:00 AM	Veramendi E&F &	Exhibit Hall Opening & Networking Kickoff
		Foyer	
	10:00 AM - 11:30 AM	Veramendi E&F	Opening Keynote: Building Our Future World Vision — Together
	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
	1:10 PM - 1:20 PM		Break
		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
	1:20 PM - 2:20 PM	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 Efficient
	2:20 PM - 2:30 PM		Break
	2:30 PM - 3:45 PM	Veramendi E&F	TxDOT District Engineers Panel
	3:45 PM - 4:00 PM		Break
		Veramendi A	Got CMAR? EPWater's efforts to manage increasing number of construction projects at a time of
		Veramendi B	Gruene River Grill Slope Stabilization
		Veramendi C	The Restoration Design and Construction of the Fallingwater House
	4:00 PM - 5:00 PM	Veramendi D	Comprehensive Safety Analysis on Texas Roadways
		Spring Lake A	Investigation of Rainfall Characteristics Using Weather Radar Network and Its Impact on Transport
			Infrastructure
		Spring Lake B Spring Lake C	Why are we running steel through contraction joints in JRCP? Medical District Drive - Partnering and Challenges
	5:00 PM - 5:15 PM	Spring Lake C	Break
	5:00 PM - 5:30 PM	Placido	ASCE Texas Section Past Presidents Council Meeting
	5:15 PM - 6:00 PM	Foyer & Veramendi	Happy Hour with Exhibitors, sponsored by
	3.13 FIVI - 0.00 FIVI	E&F	Happy Hour with Exhibitors, sponsored by
	6:30 PM - 9:00 PM	Texas State Stadium	Social: "The Future Is Bright" Tailgate Party
		Gowen Pavilion	
	7:00 AM - 7:00 PM	Registration	Registration Open
	7:30 AM - 4:30 PM	Burleson	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
	9:00 AM - 9:15 AM		Break
	10:00 AM - 2:00 PM	Private Dining 1	TCEL Board Meeting (invite only)
		Veramendi A	Liberty WWTP: Flood Mitigation Improvements and Funding Resources
		Veramendi B	Understanding & Enhancing FoS in Retaining Wall Design & Construction Comparison of PTI vs Finite Element Method of Design and Performance for a Typical 40x70 Slab-o
	9:15 AM - 10:15 AM	Veramendi C	Ground Project under Different Soil Design Parameters
	9:13 AIM - 10:15 AIM	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
		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
	10:45 AM - 11:45 AM	Veramendi C Veramendi D	Bulk Material Shiploader Structure Instrumentation and Fatigue Analysis Concrete Pavement Design & Optimization: The Design & Utilization of Concrete Overlays
		Spring Lake B	Poster Session
Thursday,		Spring Lake C	K-12 STEM Activity
September 21	11:45 AM - 12:00 PM		Break
	12:00 PM - 12:30 PM	Veramendi E&F	Lunch
	12:30 PM - 1:15 PM		Texas Legislative Panel
	1:15 PM - 1:30 PM	Voran and: FOF	Break
	1:30 PM - 2:30 PM 2:30 PM- 2:45 PM	Veramendi E&F	Texas Directors of Public Works Panel Break
	2:45 PM - 3:45 PM	Placido	ASCE Region 6 Board Meeting
			Asset Management Program for Small Systems (AMPSS) helps water and wastewater systems prep
		Veramendi A	for the future
	2:45 PM- 3:45 PM	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
	2-45 DM 4-20 DM	Foyer &	Happy Hour with Exhibitors, sponsored by Wafflemat
	3:45 PM - 4:30 PM		
		Veramendi E&F	Teves Civil Engineering Foundation (TCEE) Deard Martin
	3:45 PM - 4:30 PM	Private Dining 1	Texas Civil Engineering Foundation (TCEF) Board Meeting
			Texas Civil Engineering Foundation (TCEF) Board Meeting Keynote: Texas Size Stories with The Dayripper Break



The Future is NOW

Friday, September 22 9:15 AM - 10:15 AM Veramendi C Codes 930 Multimodal/Complete Streets Planning - the evolution September 22 9:15 AM - 10:15 AM 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 Veramendi A 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 B Zero Contact Measurements for FAC 8 and Engineering Design Spring Lake C Spring Lake B Spring Lake C Spring Lake B Veramendi D Big Data Applications to Project Planning Spring Lake C Spring Lake C Spring Lake C Spring Lake C Spring Lake C Spring Lake C Spring Lake C Series and Board Update Spring Lake C Spring Lake C Spring Lake C Spring Lake B&cc 11:30 AM - 11:45 AM Spring Lake B&cc 11:45 AM - 1:45 PM Spring Lake B&	San	Marcos, TX	Sept	ember 20–22, 2023 TexasCECON.org	
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Keynote Speakers

Eva Lerner-Lam, M.NAE, M.ASCE, M.SAE, F.ITE Founder and President Palisades Consulting Group, Inc. Wednesday, September 20, 2023 Building Our Future World Vision – Together

Marco Galindo PE San Antonio District Alternative Project Delivery Supervisor TxDOT Wednesday, September 20, 2023 *I-35 NEX Central Project in San Antonio, Texas*

Francisco Palacios Design Director Alamo Nex Construction Wednesday, September 20, 2023 *I-35 NEX Central Project in San Antonio, Texas*

Brooke T. Paup *Chairwoman* Texas Water Development Board Thursday, September 21, 2023 *Planning for the Future: The Texas Sized Flood Planning Effort By TWDB*

Chet Garner Local and National Celebrity Creator & Host of The Daytripper Thursday, September 21, 2023 An Infrastructure Spin on Texas Size Stories

Dr. Shreek A. Mandayam Vice President for Research Texas State University Friday, September 22, 2023 Run to R1: Texas State University's Moody Center and Local Research Initiative













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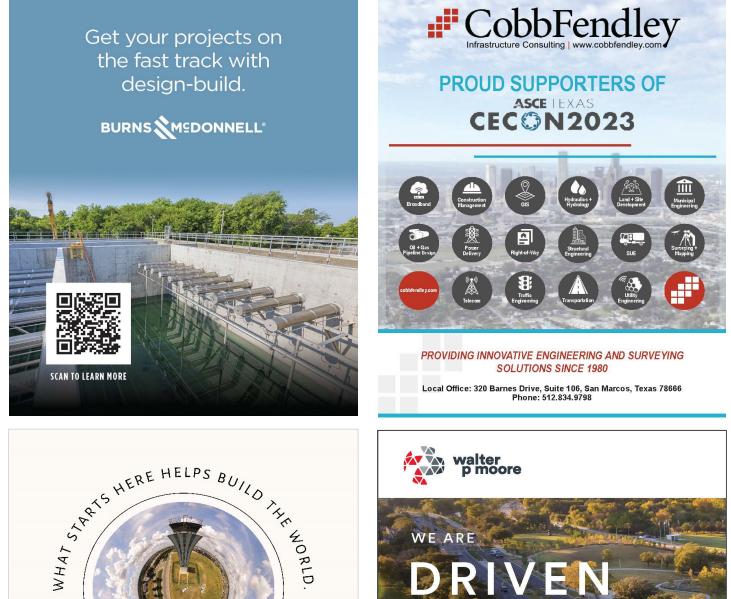
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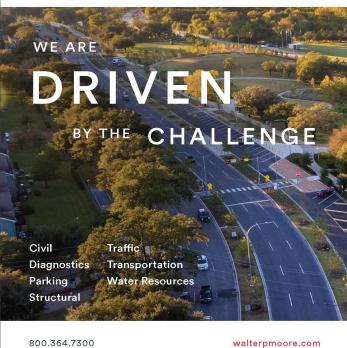


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Panel Discussions

Texas Department of Transportation District Engineers Panel

Wednesday, September 20, 2023

Charles Benavidez PE	TxDOT SA Deputy District Engineer
Tomas Trevino PE	TxDOT El Paso District Engineer
Lance Simmons PE	TxDOT Chief Engineer
Martin Horst PE	TxDOT Yoakum District Engineer
Mike Arellano PE	TxDOT Austin Deputy District Engineer
Stanley Swiatek PE	TxDOT Waco District Engineer

Texas Legislative Panel

Wednesday, September 21, 2023
Stan Kitzman, Texas Representative
John Lujan, Texas Representative
Miguel Arrendondo, Chief of Staff, Office of Texas Rep. Erin Zwiener
(Member of Energy Resources Committee and Natural Resources Committee)
Jonathon Sierra-Ortega, Policy Director, Texas Senate Committee on Transportation
Sarah R. Schlessinger, Chief Executive Officer, Texas Water Foundation

Texas Public Works Panel

Wednesday, September 21, 2023 Commissioner Kathleen Jackson PE, Interim Chair, PUCT Carol Haddock PE, City of Houston Razi Hosseini PE, RPLS, City of San Antonio Shahad Mohammed PMP, City of Dallas

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GeoSolutions

Associate

Globetrotters Engineering HR Green Terracon

Happy Hour

Wafflemat Five Companies

Professional

BGE Ninyo & Moore Pape-Dawson Engineers Stuart Consulting Group The Rios Group

Exhibitor Level-Up

Hanes Geo Components Lime Association of Texas

Coffee Mug

JPH Land Surveying

Associate Lite

Corsair Consulting

Coffee Break

Ferrovial Construction OTHON

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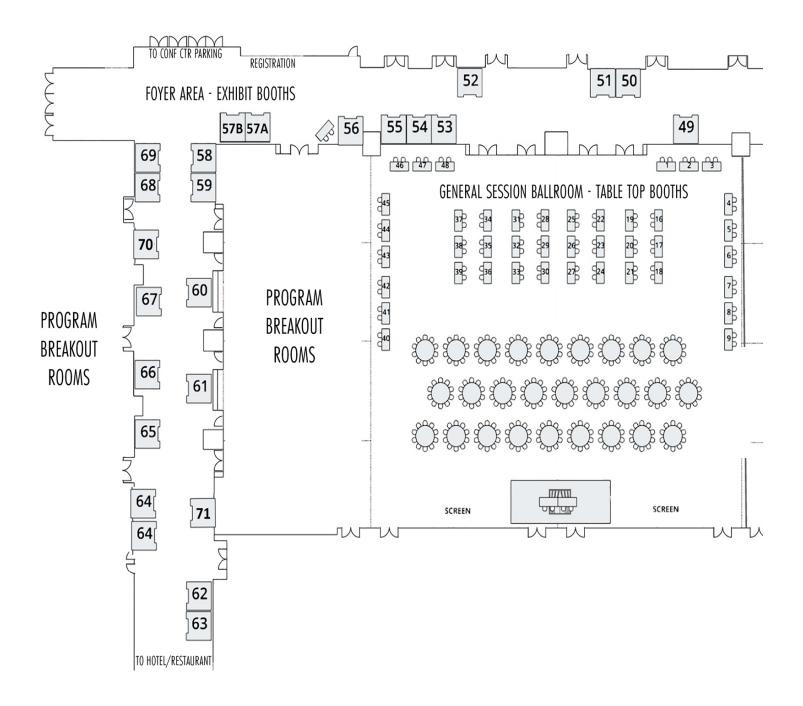
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Locke Solutions	19
American Public Works Association-Texas Chapter	20
Infraday Texas 2024	20
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