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# RESILIENCY IN ENGINEERING

2017 Texas Civil Engineering Conference (CECON)

September 20 - 22, 2017 | Embassy Suites San Marcos Hotel, Spa and Conference Center

## Tuesday, September 19, 2017

Schedule Time	Topic	Speaker	Meeting Room
2:00 pm - 4:00 pm	Texas Concrete Pipe Association Quarterly Meeting		Veramendi B
4:30 pm - 6:00 pm	Registration Opens		Veramendi Foyer
4:00 pm - 6:00 pm	ASCE Governance Committee Meeting		Private Dining Room 1
6:30 pm - 8:00 pm	ASCE Texas President's Welcome Reception		Spring Lake C

## Wednesday, September 20, 2017

Schedule Time	Topic	Speaker	Meeting Room
7:00 am - 7:25 am	Texas Section Board of Direction Breakfast		San Marcos River A/B
7:30 am - 10:00 am	Texas Section Outgoing Board		San Marcos River A/B
8:00 am - 9:00 pm	Speaker Ready Room		Placido Board Room
9:00 am - 5:00 pm	Registration		Veramendi Foyer
2:00 pm - 4:00 pm	Editorial Committee		San Marcos River A/B
<b>10:00 am - 10:30 am</b>	<b>Break (Veramendi E&amp;F and Foyer)</b>		
<b>P1</b> 10:30 am - 11:45 am	Welcome Opening Remarks Texas Infrastructure Report Card Release	Craig Thompson - Texas Section President Honorable Jan Hughson - Mayor Pro Tem, City of San Marcos Kristina Swallow - ASCE 2018 President Travis Attanasio - Texas Section VP Professional	Veramendi E/F
<b>KN1</b> 11:45 am - 1:00 pm	Integration of Resiliency in Military & Civil Works (Luncheon Presentation)	Pete Perez - US Army Corps of Engineers, SW Division Director of Regional Business	Veramendi E/F
<b>1:00 pm - 1:15 pm</b>	<b>Break (Veramendi E&amp;F and Foyer)</b>		
<b>BO1</b> 1:15 pm - 2:15 pm	Next Generation Smart Roadways Using Energy Harvesting and Self-Powered Monitoring Technology	Samer Dessouky - UT San Antonio	Veramendi A
<b>BO2.1</b> 1:15 pm - 1:45 pm	Permeable Concrete In Low Impact Development	Ben Reese & Amy Jimenez - Raba Kistner	Veramendi B
<b>BO2.2</b> 1:45 pm - 2:15 pm	Resiliency Through Material Selection: Geogrid in Pavement Applications	Ben Reese & Sepehr Rezaeimalek - Raba Kistner	Veramendi B
<b>BO3</b> 1:15 pm - 2:15 pm	Houston Astrodome: Resilient Design Before It's Time and Richard P. Doss, Harris County Engineer	Narendra Gosain - Walter P Moore Jerry Rogers - University of Houston (Retired)	Veramendi C
<b>BO4</b> 1:15 pm - 2:15 pm	One Small City's Big Green Dream - (EWRI)	Ruth Ayn Hocker - City of Lancaster, PA	Veramendi D
<b>P2</b> 2:15 pm - 3:15 pm	Cross-Generational Leadership & the Future of Business - A Panel Discussion	Jake Fears - Wier & Associates Bob McDermott - Huitt Zollars Pete Perez - USACE, SW Division Brian Manning - mc <sup>2</sup> civil	Veramendi E/F
<b>3:15 pm - 3:45 pm</b>	<b>Exhibit Hall Break (Veramendi E&amp;F and Foyer)</b>		
<b>BO5</b> 3:45 pm - 4:45 pm	A Descriptive Look at Today's Asphalt Pavement Mix Types used in Texas	Larry Welch - Texas Asphalt Pavement Association	Veramendi A
<b>BO6</b> 3:45 pm - 4:45 pm	Flood Impact Recovery: Developing An Action Plan	Rachel Herr - Tetra Tech Inc.	Veramendi B
<b>BO7</b> 3:45 pm - 4:45 pm	Four Years After the West, Texas Explosion	Melinda Luna - NTT Data Services	Veramendi C
<b>BO8.1</b> 3:45 pm - 4:15 pm	Assess and Prioritize: The Key to Managing Aging Concrete Infrastructure - (SEI)	Chuck Larosche - Wiss, Janney, Elstner & Associates	Veramendi D
<b>BO8.2</b> 4:15 pm - 4:45 pm	Structural Design & Construction of Klyde Warren Park (SEI)	Brian Kuehl - Jacobs	Veramendi D
6:00 pm - 9:30 pm	CECON Kickoff Barbecue hosted by Texas Concrete Pipe Association Location: Commemorative Air Force Hanger and Museum ( <i>Transportation will be provided</i> )		



<b>Thursday, September 21, 2017</b>			
<b>Schedule Time</b>	<b>Topic</b>	<b>Speaker</b>	<b>Meeting Room</b>
6:30 am - 6:30 pm	Registration		Veramendi Foyer
7:00 am - 8:00 am	Breakfast (Networking)	Embassy Suites Restaurant. If not a Hotel Guest, you may purchase a breakfast ticket at Cafeina's Internet Café.	
8:00 am - 9:00 pm	Speaker Ready Room		Placido Board Room
8:00 am - 9:00 am	History & Heritage Committee Meeting		Private Dining Room 1
8:00 am - 9:00 am	Region 6 Governor Committee Meeting		Private Dining Room 2
8:00 am - 9:30 am	TxSEI Membership Meeting		San Marcos River A
9:00 am - 10:00 am	Texas Civil Engineering Foundation (TCEF) Committee Meeting		Private Dining Room 1
9:00 am - 3:00 pm	Texas Council of Engineering Laboratories (TCEL)		Private Dining Room 2
10:00 am - 11:00 am	Past Presidents Council Committee Meeting		Private Dining Room 1
8:00 am - 9:30 am	LIGHTNING ROUNDS 1		Veramendi A
8:00 am - 9:30 am	LIGHTNING ROUNDS 2		Veramendi B
8:00 am - 9:30 am	LIGHTNING ROUNDS 3		Veramendi C
<b>9:30 am - 10:00 am Exhibit Hall Break (Veramendi E&amp;F and Foyer)</b>			
<b>BO9.1</b> 10:00 am - 10:30 am	Resilience of Texas Rail History: Dallas to/from Houston	Jerry Rogers - University of Houston (Retired)	Veramendi A
<b>BO9.2</b> 10:30 am - 11:00 am	The Texas Bullet Train - Accelerating the Texas Economy	Alan D. Greer - Texas Central	Veramendi A
<b>BO10</b> 10:00 am - 11:00 am	Building Resilient Communities with Concrete	Larry Novak - Portland Cement Association and Amy Trygestad, Concrete Reinforcing Steel Institute	Veramendi B
<b>BO11</b> 10:00 am - 11:00 am	Pavement Design: Critical Stress Analysis	Rich Rogers - Cement Council of Texas	Veramendi C
<b>BO12.1</b> 10:00 am - 10:30 am	Blast & Progressive Collapse-Resistant Design of Buildings - (SEI)	Marlon Bazan - Protection Engineering Consultants	Veramendi D
<b>BO12.2</b> 10:30 am - 11:00 am	Designing Steel Twin Tub Girders to be Non-Fracture Critical - (SEI)	Greg Turco - TxDOT Bridge Division	Veramendi D
<b>11:00 am - 11:30 am Exhibit Hall Break (Veramendi E&amp;F and Foyer)</b>			
<b>KN2</b> 11:30 am - 12:45 pm	Flood Resilience and Building Public Trust (Luncheon Presentation)	Stephen C. Costello - City of Houston	Veramendi E/F
<b>P3</b> 12:45 pm - 2:00 pm	Panel - The Resilient Vision & How We Get There	1) Stephen C. Costello - City of Houston 2) Michael Rimoldi - Federal Alliance For Safe Homes	Veramendi E/F
2:00 pm - 2:30 pm	Tx T&DI Membership Meeting		Private Dining Room 1
<b>2:00 pm - 2:30 pm Exhibit Hall Break (Veramendi E&amp;F and Foyer)</b>			
<b>BO13</b> 2:30 pm - 3:30 pm	New Developments in Texas Transportation (TD&I)	Lauren D. Garduno - TxDOT Project Planning & Development	Veramendi A
<b>BO14</b> 2:30 pm - 3:30 pm	The Status of Residential Building Codes in the State of Texas	Michael Rimoldi - Federal Alliance For Safe Homes	Veramendi B
<b>BO15</b> 2:30 pm - 3:30 pm	Upper Texas Coast Storm Surge Suppression Study	Chris Sallèse - Dannenbaum Engineering Corporation	Veramendi C
<b>BO16</b> 2:30 pm - 3:30 pm	What is the difference in SUE, Utility Coordination, and Utility Engineering? - (UESI)	1) Jesse Cooper - HDR Inc. 2) Renee Mayer - HDR Inc. 3) Travis Isaacson - Rios Group	Veramendi D
<b>3:30 pm - 3:45 pm Break (Veramendi E&amp;F and Foyer)</b>			
<b>P4</b> 3:45 pm - 5:00 pm	Legislative Panel - Infrastructure as an Asset	State & Local Elected Officials	Veramendi E/F
5:00 pm - 6:15 pm	Legislative Reception		Veramendi E/F
<b>6:00 pm - 6:15 pm Break (Veramendi E&amp;F and Foyer)</b>			
6:30 pm - 10:00 pm	Texas Section Awards Banquet	Presented By: ASCE Texas Section Young Member Committee	Spring Lake Ballroom



**Friday, September 22, 2017**

Schedule Time	Topic	Speaker	Meeting Room
6:30 am - 10:00 am	Registration		Veramendi Foyer
<b>Ethics Breakfast</b>			
7:00 am - 8:00 am	Engineering Ethics - Breakfast	Rick Valdes - Texas Board of Professional Engineers	Veramendi E/F
8:00 am - 2:00 pm	Speaker Ready Room		Placido Board Room
<b>BO17</b>	Construction With Fiber Reinforced Polymer Rebar	Matt Kero - Neuvokas Corporation	Veramendi A
8:00 am - 9:00 am	Standing Strong Through the Storm and Keeping You Connected	Jerry I. Gainer - BHA Engineers Liza Kirk - Forterra	Veramendi B
<b>BO19</b>	TxDOT's Transportation Program: Now & in the Future - (T&DI)	Brian Barth - TxDOT Transportation Program Officer	Veramendi C
8:00 am - 9:00 am	The Expanding Role of Unmanned Aircraft Systems: Event Assessment, Construction & Security Monitoring and Surveying.	Paul Beckett - TTL/Drash Consultants	Veramendi D
<b>9:00 am - 9:30 am</b>	<b>Exhibit Hall Break (Veramendi E&amp;F and Foyer)</b>		
<b>BO21</b>	Water, Wastewater, Waste, and Walls: Collaborative Solutions for U.S.- Mexico Border Environmental Challenges	Stephen M. Niemeyer - Texas Commission on Environmental Quality - Intergovernmental Relations Division	Veramendi A
9:30 am - 10:30 am	Natural and Cultural Resources Due Diligence (UESI)	Carland G. Holstead - Kimley-Horn and Associates, Inc.	Veramendi B
<b>BO23</b>	Road Network Resilience: Risks and Solutions	Jan Prusinski - Cement Council of Texas	Veramendi C
9:30 am - 10:30 am	Increasing Resilience In The Built Environment: Strategic Look Beyond the Minimum Criteria	John Turner - Wiss Janney Elstner Associates	Veramendi D
<b>BO25</b>	Miles & Miles of Texas: 100 Years of the Texas Highway Department	Roger Allen Polson - Author	Veramendi A
10:30 am - 11:30 am	Improved Resiliency Along the Brazos River - (GI)	Holly Saez - Freese and Nichols	Veramendi B
<b>BO27</b>	DFW Planning Future Needs	Nate Smith - DFW Airport	Veramendi C
10:30 am - 11:30 am	TX UESI Membership Meeting		Private Dining Room 1
<b>BO28.1</b>	Incorporating Climate Change Information into Probable Maximum Precipitation - (EWRI)	John Nielsen-Gammon - Texas A&M University, Department of Atmospheric Sciences	Veramendi D
10:30 am - 11:00 am	Developing Near-Real-Time Flood Impact Mapping in Texas - (EWRI)	David K. Arctur - University of Texas at Austin, Center for Water and the Environment	Veramendi D
<b>11:30 am - 11:45 am</b>	<b>Break (Veramendi E&amp;F and Foyer)</b>		
<b>KN3</b>	Lunch Keynote and Texas Section Business Meeting	Kathleen Jackson- Texas Water Development Board and Kristina Swallow, 2018 ASCE National President, City of Las Vegas	Spring Lake B/C
11:45 am - 1:00 pm	TxEWRI Membership Meeting		Veramendi G/H
1:15 pm - 2:15 pm	TxGI Membership Meeting		Private Dining Room 2
1:15 pm - 2:15 pm	"Dream Big" Showing		Spring Lake A
1:30 pm - 4:00 pm	Texas Section Incoming Board Meeting		San Marcos River A/B
2:00 pm - 3:00 pm	TxCI Membership Meeting		Private Dining Room 1