

Forensics Engineering Conference

February 11-12, 2021

EN21001

Thursday, February 11, 2021				
TIME	SESSION	LECTURE TITLE	PRESENTER	COMPANY
8:00 AM - 9:00 AM	Session 1a:	First Steps after a Failure	David Peraza, P.E.	Exponent
9:00 AM - 10:00 AM	Session 1b:	The Florida International University Bridge Collapse - <i>A discussion on the NTSB Findings</i>	Juan Carlos Araiza, Ph.D., P.E.	EFI Global
Break				
10:00 AM - 10:15 AM				
10:15 AM - 11:15 AM	Session 2a:	Structural Failures: <i>From Unserviceable Buildings to Ultimate Collapse</i>	Gabriel Polo, Ph.D., P.E.	Walter P. Moore
11:15 AM - 11:45 AM	Session 2b:	Failure Analysis of a Reinforced Concrete Silo	Travis Ebisch, M.S., P.E.	Nelson Forensics
11:45 AM - 12:15 PM	Session 2c:	A Short Saga of the Robust Tension Ring Upgrade: <i>Astrodome</i>	Narenda Gosain, Ph.D., P.E.	Retired (Walter P. Moore)
Lunch				
12:15 PM - 1:15 PM				
1:15 PM - 2:15 PM	Session 3a:	Pathology of Dimension Lumber Framing	Michael Drerup, P.E., F. ASCE	Drerup Building Performance Engineering, PLLC Silver Spring, Maryland
2:15 PM - 3:15 PM	Session 3b:	Professional Practice and the Expert Witness	Andrew Harold, M.S., S.E., P.E.	Nelson Forensics
Break				
3:15 PM - 3:30 PM				
3:30 PM - 4:30 PM	Session 4a:	Forensic Investigation: <i>Repair, Design and Rehabilitation of a Concrete Parking Garage</i>	Andre Garner, P.E.	Garner Consulting Group
4:30 PM - 5:30 PM	Session 4b:	Conveyor Bridge Collapse: <i>Road to Resolution</i>	Zachary Kates, P.E., LEED AP	Thornton Tomasetti
Friday, February 12, 2021				
8:00 AM - 9:00 AM	Session 5a:	Forensic Evaluation of Hydronic Piping Systems: <i>A Case Study</i>	Dean Deschenes, M.S. Carl Larosche, M.S. Michael Uyeda	Wiss, Janney, Elstner Associates, Inc./The University of Texas at Austin
9:00 AM - 10:00 AM	Session 5b:	You Don't See That Everyday: <i>Solving Unique Problems in the Building Enclosure</i>	Jeremy Bridwell, P.E.	Wiss, Janney, Elstner Associates, Inc.
Break				
10:00 AM - 10:15 AM				
10:15 AM - 11:15 AM	Session 6a:	Dramatic Retaining Wall Failures: <i>The Soil Structure-Interaction of Earth Retention Systems and Slope Failures</i>	John Bryant, Ph.D. P.G., P.E., CPG, D.GE	Bryant Consultants
11:15 AM - 12:15 PM	Session 6b:	Wind Damage of Solar Panel Arrays and Required Repairs	Randy Poston, Ph.D., P.E., S.E., NAE & Michael Ahern, P.E.	Pivot Engineers
Lunch				
12:15 PM - 1:15 PM				
1:15 PM - 2:15 PM	Session 7a:	Path Down Memory Lane: <i>Accidents I Won't Forget and What I Learned</i>	Jim Wiethorn, Ph.D., P.E.	International Crane & Construction Safety Solutions, LLC
2:15 PM - 3:15 PM	Session 7b:	Intentional Mechanical Damage to Roofs and Vehicles	Timothy Marshall, P.E.	Haag Engineering Company
Break				
3:15 PM - 3:30 PM				
3:30 PM - 4:00 PM	Session 8a:	Spontaneous Glass Breakage	David Nicastro, P.E.	Building Diagnostics
4:00 PM - 5:00 PM	Session 8b:	Ethics: Beyond Protecting the Public	Robert Gilbert, Ph.D., P.E., D.GE, NAE	The University of Texas at Austin