



2024 Forensics Engineering Conference: Buildings and Infrastructure

February 8-9, 2024 - EN24004

Agenda Subject To Change

Thursday, February 8, 2024			
TIME	SESSION	LECTURE TITLE	PRESENTER
8:00 AM - 8:05 AM	MORNING	Welcome and Introduction/Moderator	David W. Fowler, Ph.D., PE Professor Emeritus Cockrell School of Engineering
8:05 AM - 9:00 AM	Session 1a	3 Garages, 3 Repairs – How Stakeholders Influence Repair Design	Joseph Klein, PE Senior Engineer Pivot Engineers
9:00 AM - 10:00 AM	Session 1b	Forensic Engineering in the Northeast	Christopher Trask, PE Technical Director Nelson Forensics, LLC
10:00 AM - 10:20 AM		Break	
10:20 AM - 11:20 AM	Session 2a	The Crucial Role of Forensic Engineering in Subrogation Litigation	Juan Carlos Araiza, Ph.D., PE Senior Vice President EFI Global, Inc. David H. Fisk Partner Grotefeld Hoffman
11:20 AM - 12:20 PM	Session 2b	The Minnesota I-35 Bridge Collapse	Mohamed M Talaat, Ph.D., PE, SE Senior Project Manager Simpson Gumpertz & Heger
12:20 PM - 1:00 PM		Lunch	
1:00 PM - 1:05 PM	AFTERNOON	Welcome and Introduction/Moderator	Stewart Verhulst, MS, PE Senior Vice President & Executive Technical Director Nelson Forensics, LLC
1:00 PM - 2:00 PM	Session 3a	Sampling Methodologies for Forensic Investigations	Jason Gregorie, PE, CFM, REWC, RRC Civil/Structural Engineer Applied Building Sciences, Inc. Juan Carlos Araiza, Ph.D., PE, M.ASCE Senior Vice President EFI Global, Inc.
2:00 PM - 3:00 PM	Session 3b	Just Add Water: A Concept & Case Study Exploration of Water in the Built Environment	Michael J. Drerup, PE, F.ASCE Principal Engineer Drerup Building Performance Engineering, PLLC
3:00 PM - 3:20 PM		Break	
3:20 PM - 5:20 PM	Session 4	Duty to Warn	Moderator: Derrick S. Hancock, PE Senior Structural Engineer NV5 Panelists: Lloyd M. Sonenthal, PE, Esq., M.ASCE Leonard J. Morse-Fortier, Ph.D., PE, M.ASCE Technical Director Simpson Gumpertz & Heger Joshua B. Kardon, PhD, SE, F.ASCE Founder Joshua B. Kardon + Company Structural Engineers Michael J. Drerup, PE, F.ASCE Principal Engineer Drerup Building Performance Engineering, PLLC
Friday, February 9, 2024			
8:00 AM - 8:05 AM	MORNING	Welcome and Introduction/Moderator	Jim D. Wiethorn, Ph.D., PE Founder & Chairman International Crane & Construction Safety Solutions, LLC
8:05 AM - 9:00 AM	Session 5a	Predicting the Future: How Fitness for Service Evaluation was Used to Determine the Fate of Damaged Industrial Equipment	Zachary D. Kates, PE, SE, LEED AP Senior Principal and Texas Forensics Practice Leader Thornton Tomasetti

9:00 AM - 10:00 AM	Session 5b	A Legal Perspective for Forensic Engineers: Case Studies in Contracts and Negligence	Travis D. Wells, PE, Esq., CFEI Regional Engineering Manager, Forensic Engineer Haag Engineering
10:00 AM - 10:20 AM		Break	
10:20 AM - 11:20 AM	Session 6a	ANO-Slight Change-Big Disaster: Arkansas Nuclear One	Jim D. Wiethorn, Ph.D., PE Founder & Chairman International Crane & Construction Safety Solutions, LLC
11:20 AM - 12:20 PM	Session 6b	CROSS-US – Opportunities to Warn	Norbert "Norb" J. Delatte, Jr., Ph.D. PE Head, School of Civil and Environmental Engineering Oklahoma State University Michael J. Drerup, PE, F.ASCE Principal Engineer Drerup Building Performance Engineering, PLLC Norma Jean Mattei, Ph.D., PE, F.SEI, F.ASCE Professor Emeritus The University of New Orleans
12:20 PM - 1:00 PM		Lunch	
1:00 PM - 1:05 PM	AFTERNOON	Welcome and Introduction/Moderator	Juan Carlos Araiza, Ph.D., PE Senior Vice President EFI Global, Inc.
1:05 PM - 2:00 PM	Session 7a	Hurricane Harvey Flood Damage to Corporate Campus	David Peraza, PE Principal Engineer Exponent
2:00 PM - 3:00 PM	Session 7b	The Practice of Forensic Engineering in Academia	Ryan Kalina, Ph.D., PE Vice President Forensix Consulting Lecturer Cockrell School of Engineering
3:00 PM - 3:20 PM		Break	
3:20 PM - 4:20 PM	Session 8a	Evaluation of a Reinforced Concrete Cooling Tower	Jeremiah Fasl, Ph.D., PE, SE Associate Principal Wiss, Janney, Elstner Associates, Inc.