



I STRUCTURAL ENGINEERING CONFERENCE

Thursday, March 23, 2023

I Hotel and Conference Center

1900 South First Street, Champaign, Illinois 61820

Plenary Session-Illinois Ballroom

Presiding: *Bassem Andrawes*, Professor, CEE at Illinois (Urbana, IL)

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| 8:00am | Check-in/Breakfast
Corridor - Illinois Ballroom |
| 8:50am | Welcome |
| 9:00am | SpeedCore: Need For Speed: Research and Practice
<i>Amit Varma</i> , Karl H. Kettelhut Professor, Director, Bowen Laboratory of Large-Scale CE Research, Lyles School of Civil Engineering, Purdue University, (West Lafayette, IN) |
| 9:40am | Champlain Towers South Collapse – WJE Investigation
<i>Matthew Fadden</i> , Associate Principal, WJE (Ft. Lauderdale, FL) |
| 10:20am | BREAK |
| 10:40am | Earth Retention and Structure Interaction
<i>Justin Lewis</i> , Branch Manager, Keller North America, Inc. (Chicago, IL)
<i>Joel Dellaria</i> , Chief Engineer, Keller North America, Inc. (Chicago, IL)
<i>Darren Diehm</i> , Senior Professional, GEI Consultants, Inc. (Chicago, IL) |
| 11:20 am | Structural Engineering for Aerospace
<i>Michael Kendrick</i> , Structural Engineer, RS&H, Inc. (Merritt Island, FL) |
| 12:00pm | Lunch and Poster Session
Heritage Hall 2/5 |

Afternoon Concurrent Sessions-Heritage Hall

Concurrent Session 1 – Building Structures-Heritage Hall 3/6

Session Moderator: *Jim Pawlikowski*, Principal, Datum Engineers | Adjunct Instructor, CEE at Illinois (Chicago, IL)

- 1:00pm Intuit Dome, Inglewood CA
Susendar Muthukumar, Principal, Walter P Moore (Los Angeles, CA)
- 1:40pm Hexa-grid Frames with Friction Links of SANY IROOTECH Project
Xuemei Li, Associate Principle, Skidmore Owings and Merrill (Chicago, IL)
- 2:20pm BREAK
- 2:40pm Dallas County Records Building Complex
Michael Brack, President, Datum Engineers, Inc. (Austin, TX)
Dave Thomas, Associate Principal, Datum Engineers, Inc. (Dallas, TX)
- 3:20pm Shoring + Shortening + Sloshing = Success at One Chicago
Adam Theiss, Principal, MKA (Chicago, IL)
- 4:00pm ADJOURN

Concurrent Session 2 – Bridge Structures-Heritage Hall 1/4

Session Moderator: *Todd Ude*, Sr. Engineering Manager, Parsons (Chicago, IL)

- 1:00pm Innovative Technology: I-494 Existing Pier Evaluation with VecTor2
Tony Shkurti, Vice President, HNTB Corporation (Chicago, IL)
Ines Torra-Bilal, Consulting Engineer, Exponent Inc. (Chicago, IL)
- 1:40pm Laying Steel Across the Border - Baudette/Rainey River International Crossing
Vince Gastoni, Principal Engineer, Parsons (Minneapolis, MN)
- 2:20pm BREAK
- 2:40pm Remove, Re-Use and Re-Construct - I-74 over the CN + Oak St
Kamlesh Kumar, Senior Structural Engineer, EXP US Services Inc. (Chicago, IL)
- 3:20pm Risk-targeted Design Spectra for the 2023 AASHTO Bridge Specifications
Nico Luco, Research Civil Engineer, U.S. Geological Survey (Denver, CO)
- 4:00pm ADJOURN

Post Conference Social

Please join us for light refreshments served in Heritage Hall 2/5.