

All times listed are U.S. eastern standard time.

Day 1 - Tuesday - February 9, 2021

- 10:00 am – 10:30 am Morning Networking
- 10:30 am – 10:45 am Opening Remarks – Charles S. Hanskat (SDC Chair)
- 10:45 am - 11:30 am **Presentation: A Case Study on Constructability Economics – Why Constructability Is Important**
Phil Diekemper, Sr. Vice President
Ceco Concrete Construction LLC
- 11:30 am – 12:15 pm **Presentation: Unified Durability Guidance in ACI Documents**
Jason H. Ideker, PhD, Professor
Oregon State University
- 12:15 pm – 1:00 pm **Technology Showcase: Utilization of Conventional and Off-Spec Ashes to mitigate ASR through an Innovative Performance-Based Approach**
Anol K Mukhopadhyay, PhD, P.G., Research Scientist (TTI)
Texas A&M Transportation Institute (TTI) at Texas A&M University
- 1:00 pm – 1:45 pm Mid-Day Break
- 1:45 pm – 2:30 pm **Technology Showcase: Lidar and Drones for Concrete Floor Waviness / Flatness Measurements**
Yelda Turkan, PhD, Assistant Professor
Oregon State University
- 2:30 pm – 3:15 pm **Presentation: Non-proprietary Ultra-High-Performance Concrete (UHPC) for Precast Applications**
John Lawler, PE, PhD, Principal
Wiss, Janney, Elstner Associates, Inc.
- 3:15 pm – 4:00 pm **Presentation: Recommendations for Horizontal Shear Provisions for Concrete Repair**
Jeffrey S. West, PhD, PE, Associate Principal for Wiss, Janney, Elstner Associates, Inc.
Carl J. Larosche, Senior Principal for Wiss, Janney, Elstner Associates, Inc.
- 4:00 pm – 5:00 pm Networking/Social

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Day 2 - Wednesday - February 10, 2021

- 10:00 am – 10:30 am Morning Networking
- 10:30 am – 11:15 am **Technology Showcase: Load Transfer Construction Method (LTCM)**
Campbell Smith, Commercial Director
Ian Jackson, Director
LTCM Australia
- 11:15 am – 12:00 pm **Presentation: Research Needs of Performance-Based Wind Design**
John W. Wallace, Professor
University of California - Los Angeles
- 12:00 pm – 12:45 pm **Technology Showcase: Concrete MUSCLED**
Victor Li, Professor
University of Michigan
- 12:45 pm – 1:45 pm Mid-Day Break
- 1:45 pm – 2:30 pm **Presentation: Improving the Design and Construction Process: 6 Potential Pathways for Action**
Michelle L. Wilson, Senior Director, Portland Cement Association
John L. Hausfeld, Director of Quality, Baker Concrete Construction
- 2:30 pm – 3:15 pm **Presentation: Detecting Damage from Building Images with Artificial Intelligence**
Shirley J. Dyke, PhD, Director of the Resilient Extraterrestrial Habitats Institute & the
Intelligent Infrastructure Systems Lab
Purdue University
- 3:15 pm – 4:00 pm **Presentation: Concrete 3D Printing Cooperative Network**
Narayanan Neithalath, Professor
Arizona State University
- 4:00 pm – 5:00 pm Networking/Social

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Day 3 - Thursday - February 11, 2021

- 10:00 am – 10:30 am Morning networking
- 10:30 am – 11:15 am **Presentation: Unlikely Green Champions: How Concrete Suppliers and Structural Engineers Can Lead the AEC Industry to Lower Carbon Emissions - Today**
Emma Reif, Project Director for Thornton Tomasetti
Patrick Kenny, Associate for Thornton Tomasetti
- 11:15 am – 12:00 pm **Technology Showcase: Monitoring the State & Quality of Concrete using Ultrasonic Sensors**
Dmitry Gordienko, CEO
Algibit Technologies
- 12:00 pm – 12:45 pm **Presentation: Constructability for the Post-Tensioned Industry**
Bryan Allred, S.E., Vice President
Seneca Structural Engineering, Inc.
- 12:45 pm – 1:30 pm **Presentation: ACI 318 PLUS**
Michael L. Tholen, Managing Director of Engineering & Professional Development
American Concrete Institute
- 1:30 pm – 1:45 pm Closing Remarks