

AGENDA
CONCRETE INNOVATION FORUM
Hotel Clio - Denver, Colorado
August 12-14, 2025
Schedule is in Mountain Daylight Time.

Tuesday – August 12, 2025

1:00 pm – 4:30 pm **National Renewable Energy Laboratories Tour** *(Tour is Full)*
5:30 pm – 7:00 pm **Welcome Reception at the Fireside Restaurant & West Patio**

Wednesday – August 13, 2025

7:00 am – 8:00 am **Registration & Breakfast**

8:00 am – 8:05 am **Welcoming Address**
Speaker: **Ann M. Masek**, CAE, Executive Director
Company: ACI Foundation

8:05 am – 8:10 am **CIC Overview & Meeting Logistics**
Speaker: **Lesley Ko**, PhD, Director (Cementitious & Sustainability Materials) & **CIC Chair**
Company: Structural Technologies

8:10 am – 8:50 am **Case Study: Moving an Invention from the Lab to the Market**
Speaker: **Luna Lu**, Vice President of Industry Partnerships & Reilly Professor of Civil Engineering with courtesy appointment in Materials Engineering
Company: Purdue University

8:50 am – 9:30 am **Technology Showcase: Early Application of Biochar in Concrete through Stakeholder Education and Buy-in**
Speakers: **David Shook**, PE, LEED, Associate Principal and Structural Engineer of Skidmore, Owings & Merrill and **Garrett Benisch**, Director of Development for Bioforcetech Corporation

9:30 am – 10:10 am **Technology Showcase: Bioinspired Material Innovations**
Speaker: **Wil V. Srubar III**, PhD, Deming Associate Dean for Innovation & Entrepreneurship, and Charles Victor Schelke Endowed Professor
Company: University of Colorado - Boulder

10:10 am – 10:25 am *****Break*****

10:25 am – 11:05 am **Presentation: Use Your Imagination to Start a Fire**
Speaker: **John R. Hillman**, PE, SE, M.ASCE, Structural Engineer
Company: Kiewit Engineering Group

- 11:05 am – 11:45 am **Presentation: Using Activity Index of SCMs to Innovate**
 Speaker: **W. Jason Weiss**, PhD, Edwards Distinguished Chair in Engineering
 Company: Oregon State University
- 11:45 am – 11:50 am **Address from ACI**
 Speaker: **Frederick H. Grubbe**, MBA, CAE, Executive Vice President
 Company: American Concrete Institute
- 12:00 pm – 1:00 pm *****Lunch*****
- 1:00 pm – 3:00 pm **Panel Presentation hosted by NEx: An ACI Center of Excellence for Nonmetallic Building Materials, moderated by Celeste M. Stawiarska**, Marketing Manager of Nex
- Four technology owners will provide highlights of innovations or opportunities/needs related to the use of non-metallics in concrete. Following the individual presentations we will have a moderated discussion/Q&A between the panel and Forum attendees.
- Technology Snapshots (15 minutes each)**
- **Advances with Couplers for Fiber-Reinforced Polymer Bars** by **Alvin C. Ericson**, FACI, FPCI, Technical Consultant
 - **Current Sustainability Efforts in the Composites Industry** by **Danielle Kleinhans**, PhD, PE, FACI, Director of Engineering & Business Development for Mateenbar
 - **Siletie: Polymer Concrete Railroad Ties** by **Marco Antonio Kruger**, MBA, Precast Specialist & Project Engineer for Siletio
 - **PROXXIMA™ Polyolefin Thermoset Resin Systems: Enabling Breakthrough Performance in Composites for the Built Environment** by **Paul Taylor** of ExxonMobil
- 3:00 pm – 3:15 pm *****Break*****
- 3:15 pm – 3:55 pm **Presentation: Structural Innovation – the Story of the Populus Hotel**
 Speaker(s): **Mere Hall, et. al.**
 Company: City of Denver
- 3:55 pm – 4:35 pm **Technology Showcase: Reducing Clinker Content using Blended Type 1L Cements & Calcined Clays**
 Speaker: **Maria G. Juenger**, PhD, Professor and current ACI Vice President
 Company: University of Texas at Austin
- 5:30 pm – 8:30 pm **On-site Cocktail Hour & Dinner**
Fireside Restaurant & Patio

Thursday – August 14, 2025

- 7:00 am – 8:00 am **Registration & Breakfast**
- 8:00 am – 8:40 am **Technology Showcase: Using Life Cycle Analysis to Compare Global Warming Potential of Low Carbon Mixes**
Speaker: **Jack Cove**, Founding Go-to-Market
Company: Pathways
- 8:40 am – 10:10 am **Panel Presentation: Project Success Starts with Design Phase Collaboration**
Moderated by: **Patrick Frawley**, PE, Director of Quality Assurance for Central Concrete Supply Co., Inc.
 - Designer: **Matt Hopper**, Managing Principal, Chicago Office for Cary Kopczynski & Company, Inc.
 - Developer/Owner: **Ken Leeds**, Director of Construction for BMC Investments
 - Contractor: **CJ Harvey**, Vice President, Operations for Haseldon Construction
- 10:10 am – 10:20 am *****Break*****
- 10:20 am – 11:00 am **Presentation: Leveraging the National Laboratories for Innovation of the Cement and Concrete Industry**
Speakers: **John T. Kevern**, PhD, PE, F.ASCE, FACI, LEED AP, Senior Researcher for Cement and Concrete Resilience and **Ana Aday**, Research Engineer for Material Science.
Company: National Renewable Energy Laboratory
- 11:00 am – 11:40 am **Technology Showcase: The Partanna Story - Development & Use of MgO Activated Slag Concrete**
Speaker: **Kevin MacDonald**, PE, PhD, FACI
Company: Beton Consulting Engineers LLC
- 11:40 am – 12:00 pm **Presentation: Current Outlook for the Advancement of Reduced-Carbon Technologies: Public vs. Private and Domestic vs. International Perspectives**
Speaker: **Charles K. Nmai**, PE, M.ASCE, FACI, NEU Board President & Past ACI President
Company: NEU – An ACI Center of Excellence for Carbon Neutral Technologies
- 12:00 pm **Adjourn**