

# Strategic Development Council

## Technology Forum 45 / February 13-15, 2019

### Hilton La Jolla Torrey Pines, CA

*Agenda Subject to Changes*

1/3/2019

#### **Wednesday, February 13, 2019**

- |        |        |  |
|--------|--------|--|
| 8:00a  | 12:00p | <b>Concrete 2029 Workshop on Implementing New Technology / Innovations</b> |
| 12:00p | 1:00p  | <b>Lunch</b>   |
| 1:30p  | 3:30p  | <b>UC San Diego Jacobs School of Engineering - Seismic Lab Tour</b>        |
| 5:00p  | 7:00p  | <b>Welcome Reception</b>   |

#### **Thursday, February 14, 2019**

- |        |        |   |
|--------|--------|---|
| 7:00a  | 8:00a  | Registration  |
| 7:30a  | 8:00a  | Breakfast   |
| 8:00a  | 8:15a  | <b>Welcome/Introduction: SDC Forum 45</b><br>Charles S. Hanskat, SDC Board Chair<br>Executive Director<br>American Shotcrete Association  |
| 8:15a  | 8:45a  | <b>Presentation: New ACI 546 Guide for Prepackaged Powdered Construction Products</b><br>James (Peter) Barlow<br>Chair - ACI 546<br>American Concrete Institute   |
| 8:45a  | 9:15a  | <b>Technology Showcase: Field Experience &amp; Lessons Learned in Bending High Strength Reinforcement</b><br>Neal S. Anderson, S.E., P.E.<br>Staff Consultant<br>Simpson Gumpertz & Heger Inc.  |
| 9:15a  | 9:45a  | <b>Presentation: Concrete Durability &amp; Service Life Requirements in Global Codes and Standards</b><br>Tracy Marcotte<br>Principle<br>CVM Professional   |
| 9:45a  | 10:15a | --- <b>Break</b> ---  |
| 10:15a | 10:45a | <b>Technology Showcase: Concrete Resiliency &amp; Codes/Standards</b><br>Evan Reis<br>Executive Director<br>US Resiliency Council   |
| 10:45a | 11:15a | <b>Presentation: Concrete 2029 Roadmap - Charting the Course to the Industry's Future</b><br>William Palmer<br>Editor at Large<br>Hanley Wood   |
| 11:15a | 11:45a | <b>Technology Showcase: The EC3 Tool - Making Embodied Carbon Data Relevant, Credible and Timely</b><br>Donald Davies, SE and President of Magnusson Klemencic Associates<br>Kate Simonen, AIA, SE and Associate Professor at the University of Washington<br>and Director of the Carbon Leadership Forum   |
| 12:00p | 1:00p  | ---- <b>Lunch</b> ----  |
| 1:00p  | 1:30p  | <b>Presentation: Proposal for a Unified Code – “ACI 880”</b><br>Tracy Marcotte<br>Principal<br>CVM Professional   |
| 1:30p  | 3:30p  | <b>Panel Presentations: Performance Based Concrete Specifications and Embodied Carbon - Getting it right</b><br>Facilitator: Sean Monkman, Vice President Technology Development at CarbonCure Technologies<br>Donald Davies, SE and President of Magnusson Klemencic Associates<br>Kate Simonen, AIA, SE, Assoc. Prof. University of Washington & Director Carbon Leadership Forum<br>Jeremy Gregory, Executive Director Concrete Sustainability Hub and Research Scientist at MIT<br>Alana Guzzetta, P.E. and National Research Lab Manager for US Concrete<br>Q&A with attendees |
| 3:30p  | 4:00p  | --- <b>Break</b> ---  |

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4:00p    4:30p    **Presentation: Wall Innovations utilized in the San Diego Trolley Expansion Project**  
                    Erick J. Aldrich, RCE, GE - Principle Engineer  
                    Jeremy Kirkpatrick, PE - Vice President  
                    SRK Engineering

6:00p    8:30p    **Reception and Dinner**

**Friday, February 15, 2019**

*\*\*Please note the earlier start time\*\**

7:00a    7:30a    Registration and Breakfast

7:30a    7:45a    **TMC Update / Review**  
                    Carl J. Larosche, TMC Chair  
                    Principle  
                    WJE, Inc.

7:45a    8:15a    **Presentation: Implementing Concrete 2029 Goal 6 - Technical Operating System**  
                    James Toscas  
                    Principle Consultant  
                    James Toscas Associates

8:15a    8:45a    **Technology Showcase: The Power of Virtual Reality for the Concrete Industry**  
                    Junfeng Ma  
                    Assistant Professor  
                    Mississippi State University

8:45a    9:15a    --- **Break and Virtual Reality Demo** ---

9:15a    9:45a    **Presentation: Design-Build Case Study for the Carlsbad Desalination Plant**  
                    *To be confirmed*

9:45a    10:15a    **Technology Showcase: Sustainable Concrete Production with Recycled High Solids  
Concrete Wash Water Beneficiated with CO<sub>2</sub>**  
                    Sean Monkman, PhD, P. Eng  
                    Vice President Technology Development  
                    CarbonCure Technologies

10:15a    10:45a    **Presentation: to be confirmed**

10:45a    11:00a    **Wrap-up and review**

11:00a    **Adjourn**