

Fall 2019 Meeting

Monday, October 21, 2019 10:00 AM

Location: Duke Energy Convention Center, C-202 - Cincinnati, OH
Time: 10:00 am - 12:00 pm

- 1) **Call to Order and Welcome**
- 2) **Review and Approval of Agenda**
Motion to approve: Jeff Speck, 2nd: Matt Huslig
- 3) **Review and Approval of Minutes of the Previous Meeting (Quebec City, QC)**
Motion to approve: Steven Rowe, 2nd: Matt Huslig
- 4) **Education Sessions**
 - a. Today, 4:00-6:00pm, Duke Energy Convention Center, Junior Ballroom B
Fire and Floor Design, Performance, Mitigation, and Strengthening for Concrete Bridges
- 5) **Research Efforts – ACI CRC Proposals**
 - a. Behavior and Design of Reinforced Concrete Structures under Natural Fires
Patrick Bamonte & Thomas Gernay
 - b. Autonomous Vision-based Assessment of Fire-damaged Concrete Structures
M.Z. Naser, PhD, PE & P.R. Rangaraju, PhD, PE, FACI

Administrative ballot sent to active voting members (pre-October 2019 additions). Research proposal from Bamonte and Gernay was selected for support.
- 6) **Membership Update**
Several new voting members, associate members, and changes to existing members. See attachment for updated committee list. Remember, all voting members are expected to attend the bi-annual meetings in person and be actively involved in committee business. Please notify the chair should you need to miss a meeting.
- 7) **Rational Design Document**
The rational design document is coming along, albeit slowly. Tarek Alkhrdaji provided update.
- 8) **216.1 Standard**
 - a. Ballot reapproval of 216.1-14(19) complete and published
 - b. Revision to 216.1-14(19) possible new topics
 1. High strength concrete performance in members other than columns
Not currently in standard. If included, need someone to lead this effort.
 2. High strength concrete definition inconsistent between ACI 318 and 216.1
Stephen Stacey will take lead on this.
 3. Pre-stressed/post-stressed/precast concrete
Venkatesh Kodur, Anuj Shakya, Matt Huslig, Siva Munuswamy will take lead on this.
 4. Hollow clay brick considerations
Chip Clark will take lead on this.
 5. Autoclaved Aerated Concrete
Check with Venkatesh Kodur, someone from UK has experience with this.
 6. Concrete spalling causes and mitigation
Stephen Stacey will take lead on this.
 7. High strength rebar
Check with M. Mota at CRSI for assistance.
 8. Anchors
Kenton McBride will take lead on this.
 9. Statistical approach for load combinations
Kevin Mueller will take lead on this.
 10. Design fire (cooling, moving, hydrocarbon) vs ASTM E119 fire
Kevin Mueller will take lead on this.
 - c. Create appendices to ACI 216 for new topics
 1. Concrete Spalling
 2. Rational Design Approach [pending other document]
- 9) **Other Fire Related Activities**
 - a. Preliminary findings from Camp Fire reconnaissance (Erica Fischer, Kevin Mueller)
Did not have time for this presentation. Will reschedule, if possible, to a later meeting.
- 10) **Other Business**
 - a. ACI 440 tech note, "Performance of FRP Strengthened Members subject to Elevated Temperatures"
 1. Will need group of ACI 216 members to do a courtesy review.
- 11) **Adjourn – Next Meeting - March 2019 Chicago (Rosemont), IL**
Motion to approve: Jeff Peck, 2nd: Venkatesh Kodur

Voting Members

- | | |
|---|---|
| <input checked="" type="checkbox"/> Kevin Mueller | <input checked="" type="checkbox"/> Venkatesh Kodur |
| <input checked="" type="checkbox"/> Anuj Shakya | <input type="checkbox"/> Bill Gamble |
| <input type="checkbox"/> Amit Varma | <input type="checkbox"/> Amal Jayapalan |
| <input checked="" type="checkbox"/> Erica Fischer | <input type="checkbox"/> Hamzeh Hajiloo |
| <input checked="" type="checkbox"/> Kamran Nemati | <input type="checkbox"/> Kevin LaMalva |
| <input checked="" type="checkbox"/> Patrick Bamonte | <input checked="" type="checkbox"/> M Z Naser |
| <input checked="" type="checkbox"/> Jim Pawlikowski | <input checked="" type="checkbox"/> Stephen Stacey |
| <input type="checkbox"/> Luke Bisby | <input type="checkbox"/> Don Dusenberry |
| <input type="checkbox"/> Mark Green | <input checked="" type="checkbox"/> Chip Clark |
| <input checked="" type="checkbox"/> Matt Huslig | <input checked="" type="checkbox"/> Jeff Speck |
| <input type="checkbox"/> Maged Youssef | <input type="checkbox"/> Richard McGrath |
| <input type="checkbox"/> Nick Lang | <input type="checkbox"/> Hossein Mostafaei |
| <input checked="" type="checkbox"/> Rob Lewis | <input type="checkbox"/> John Perry |
| <input type="checkbox"/> Stephen Pessiki | <input type="checkbox"/> Long Phan |
| <input type="checkbox"/> Thomas Rowe | <input type="checkbox"/> John Ries |

Associate Members

- | |
|---|
| <input type="checkbox"/> Aya Aboelmagd |
| <input type="checkbox"/> David Bilow |
| <input type="checkbox"/> Louis-Samuel Bolduc |
| <input checked="" type="checkbox"/> Thomas Gernay |
| <input type="checkbox"/> James Getaz |
| <input type="checkbox"/> Jason Krohn |
| <input type="checkbox"/> Byoungjun Lee |
| <input type="checkbox"/> Sobhy Masoud |
| <input type="checkbox"/> Umesh Sharma |
| <input type="checkbox"/> Bhupinder Singh |
| <input type="checkbox"/> Martha VanGeem |
| <input type="checkbox"/> Ehab Zalok |

Consulting Members

- | |
|---|
| <input type="checkbox"/> Max Kalafat |
| <input type="checkbox"/> Waseem Khan |
| <input checked="" type="checkbox"/> Steven Rowe |
| <input type="checkbox"/> Philip Samblanet |

Visitors

- | |
|---|
| <input checked="" type="checkbox"/> Tarek Alkhrdaji |
| <input checked="" type="checkbox"/> Nicolas Pinoteau |
| <input checked="" type="checkbox"/> Kenton McBride |
| <input checked="" type="checkbox"/> Michael Lee |
| <input checked="" type="checkbox"/> Alex Meucci |
| <input checked="" type="checkbox"/> Wayne Wilson |
| <input checked="" type="checkbox"/> Vitaliy Deytyarev |
| <input checked="" type="checkbox"/> Daniel Furr |
| <input checked="" type="checkbox"/> Jamie Farny |
| <input checked="" type="checkbox"/> Martin Cuadra |
| <input checked="" type="checkbox"/> Dennis Witty |
| <input checked="" type="checkbox"/> Siva Munuswamy |