

Spring 2021 Meeting

Monday, March 29, 2021 12:00

Location: GoToMeeting Teleconference (<https://global.gotomeeting.com/join/130387149>)

Time: 12:00 pm - 3:00 pm (Eastern Daylight Time, UTC-4)

- 1) **Call to Order and Welcome**
- 2) **Review and Approval of Agenda**
Motion to approve: 1st - Rob Lewis; 2nd - MZ Naser
- 3) **Review and Approval of Minutes of the Previous Meeting (Virtual)**
Motion to approve: 1st - Nick Lang; 2nd - Patrick Bamonte
- 4) **Education Sessions**
 - a. AI for Fire/Concrete - MZ Naser (Today, 16:00-18:30 EST)
 - b. ASCE Manual of Practice No. 138 - Kevin LaMalva (Proposed Spring 2022)
- 5) **Research Efforts – ACI CRC Proposals**
 - a. Update from Thomas Gernay and Patrick Bamonte
 1. "Behavior and Design of Concrete Structures under Natural Fires"
 - 1) Establish a design method for structural members to full burnout
 - 2) Simple tool development
 - 3) 30 specimens for compressive strength
 - 4) 4 specimens for thermal diffusivity
 - 5) 4 specimens for thermal dilation
- 6) **Membership Update**
 - a. Honorary Members
 1. Bill Gamble*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) **ACI Convention Meeting Time Slots**
 - a. ACI 216 Main Committee Meeting (this one)
 - b. ACI 216 Rational Design Document Working Session (Sunday, 12-2pm EST)
- 8) **Industry/Research Discussions**
 - a. Kenton McBride (10-min)
- 9) **Rational Design Document Update**
- 10) **216.1 Standard Update**
 - a. Revision to 216.1-14(19) new topics
 - b. Other general updates:
 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 to provide update.
 3. Pre-stressed/post-stressed/precast concrete
Ventakesh Kodur, Anuj Shakya, Matt Huslig, Siva Munuswamy
 4. Autoclaved Aerated Concrete
Check with Venkatesh Kodur, someone from UK has experience with this.
 5. Concrete spalling causes and mitigation
Stephen Stacey to provide update.
 6. High strength rebar
Checked with M. Mota at CRSI for assistance, waiting for response.
 7. Anchors
Kenton McBride to provide update.
 - c. Create appendices to ACI 216 for new topics (future topic)
 1. Concrete Spalling
 2. Rational Design Approach
 - d. Monthly meeting for those working on standard (plan on June)
 1. Chapter 1,2,3 - Wait until end (Kevin Mueller)
 2. Chapter 4 - New Materials Chapter (Anuj Shakya)
 3. Chapter 5 - Concrete (Stephen Stacey)
 4. Chapter 6 - Concrete Masonry (Nick Lang)
 5. Chapter 7 - Clay brick and tile masonry (Nick Lang will help find someone)
 6. Chapter 8 - Effects of finish materials on fire resistance (Kevin Mueller will help)
 7. Chapter 9 - Performance-based fire design (Kevin LaMalva)
- 11) **Other Fire Related Activities**
 - a. Grenfell Tower Update, Rob Lewis
 1. Ongoing criminal case
 2. UK to spend £2b on renovation to ~100 towers with similar cladding
- 12) **Other Business**
 - a. ACI 562, new Chapter on Fire
 - b. Update on SP "The Concrete Industry in the Era of AI"
- 13) **Adjourn – Next Meeting - October 2021 Atlanta, GA (hopefully)**
Motion to approve: 1st - Rob Lewis; 2nd - Stephen Stacey

Voting Members

- | | |
|---|---|
| <input checked="" type="checkbox"/> Kevin Mueller | <input type="checkbox"/> Venkatesh Kodur |
| <input checked="" type="checkbox"/> Anuj Shakya | <input checked="" type="checkbox"/> Bill Gamble |
| <input type="checkbox"/> Amit Varma | <input type="checkbox"/> Amal Jayapalan |
| <input type="checkbox"/> Erica Fischer | <input type="checkbox"/> Hamzeh Hajjiloo |
| <input checked="" type="checkbox"/> Kamran Nemati | <input checked="" 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 checked="" type="checkbox"/> Mark Green | <input type="checkbox"/> Chip Clark |
| <input checked="" type="checkbox"/> Matt Huslig | <input checked="" type="checkbox"/> Jeff Speck |
| <input checked="" type="checkbox"/> Maged Youssef | <input checked="" type="checkbox"/> Hossein Mostafaei |
| <input checked="" type="checkbox"/> Nick Lang | <input type="checkbox"/> John Perry |
| <input checked="" type="checkbox"/> Rob Lewis | <input type="checkbox"/> Long Phan |
| <input type="checkbox"/> Stephen Pessiki | <input type="checkbox"/> John Ries |
| <input type="checkbox"/> Thomas Rowe | <input checked="" type="checkbox"/> Tarek Alkhrdaji |
| <input checked="" type="checkbox"/> Kenton McBride | <input checked="" type="checkbox"/> Akanshu Sharma |

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 |
| <input checked="" type="checkbox"/> Shamin Rashid-Sumar |
| <input checked="" type="checkbox"/> Vitaliy Degtyarev |

Consulting Members

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

Visitors

- | | |
|--|---|
| <input checked="" type="checkbox"/> Nicolas Pinoteau | <input type="checkbox"/> Jason Thompson |
| <input checked="" type="checkbox"/> Michael Lee | <input type="checkbox"/> Peter Schillinger |
| <input type="checkbox"/> Alex Meucci | <input type="checkbox"/> Rajiv Pathak |
| <input type="checkbox"/> Wayne Wilson | <input type="checkbox"/> Samhar Hoz |
| <input type="checkbox"/> Daniel Furr | <input type="checkbox"/> Sioban Sawyer |
| <input type="checkbox"/> Jamie Farny | <input type="checkbox"/> Vinh Dao |
| <input type="checkbox"/> Martin Cuadra | <input type="checkbox"/> Kevin Kavanagh |
| <input type="checkbox"/> Dennis Wittry | <input type="checkbox"/> Andreia Fanton |
| <input type="checkbox"/> Siva Munuswamy | <input type="checkbox"/> Daron Brown |
| <input type="checkbox"/> Ray Leonhard | <input checked="" type="checkbox"/> Ken Harmon |
| <input type="checkbox"/> Anna Birely | <input type="checkbox"/> Jacques Bertrand |
| <input type="checkbox"/> Peter Schillinger | <input type="checkbox"/> Jason Wagner |
| <input type="checkbox"/> Marco Battistessa | <input type="checkbox"/> Kadir Sener |
| <input type="checkbox"/> Fariborz Tehrani | <input type="checkbox"/> Sean Agresta |
| <input type="checkbox"/> Foyzal Ahmed | <input type="checkbox"/> Matthew Hoehler |
| <input checked="" type="checkbox"/> Hitesh Lakhani | <input type="checkbox"/> SH Chu |
| <input checked="" type="checkbox"/> Maria Chiara | <input checked="" type="checkbox"/> Danny Perez |
| <input type="checkbox"/> Giangregorio | <input checked="" type="checkbox"/> Richard Allen |
| <input checked="" type="checkbox"/> Rajiv Pathak | <input checked="" type="checkbox"/> Yorneli Sic |
| <input checked="" type="checkbox"/> Jennifer Ruiz | <input checked="" type="checkbox"/> Fray Tejada |
| <input checked="" type="checkbox"/> Anna Landreville | <input checked="" type="checkbox"/> Fritz Wall |