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 defined inconsistent between ACI 318 and 216.1
         Stephen Stacey will take lead on this.
      3. Pre-stressed/post-stressed/precast concrete
         Ventakesh Kodur, Anuj Sharya, 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 Ventakesh 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

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