Meeting Agenda
ACI 544-D Structural Uses Sub-Committee Meeting
Fall Convention 2018, 544-D FRC Structural uses
Tuesday, Oct 16th, AMAZON M12:00 AM - 1:30 PM

1. Call to order and approval of agenda
2. Introductions
3. Remarks from the Chair
4. Sessions at the current ACI convention:
   EMERGING TECHNOLOGIES IN FRC: Wednesday October 17th
   11.00 am – 1.00 pm part 1 AMAZON I-J
   1.30 – 3.30 om part 2 AMAZON I-J
   - S.J. Stephens, S. Jose and R. Gettu Benefits of hybrid combinations of amorphous metallic and steel fibers in structural applications
   - Y. Yao, K. Fiammofrad and B. Mobasher, Serviceability Based Flexural Design of Hybrid FRC Beams
   - G.A. Plizzari and P. Serna, Structural aspects related with FRC creep in tension.
   - M. Colombo, P. Martinelli and M. di Prisco, FRC tunnel segment design in case of internal explosion
   - N. Banthia, S. Soleimani-Dashtaki and C. E. Ventura, Fiber Reinforced Concrete and Earthquake Strengthening: A Match Made in Heaven

5. Status of five major document maintenance under with the current 544-D committee
   - ACI 544-9R Mechanical testing of FRC
   - ACI 544-8R Tensile Design Properties from flexural tests, backcalcuation procedures
   - ACI 544-4R Design
   - ACI 544-6R Elevated slabs (2015)
   - ACI 544-7R Tunnel lining

6. Options: 1) update, rework, rewrite, change ETR to Report
   2) develop additional examples and case studies
   3) develop a compiled set of examples as design Guide
   4) develop a guide, specification
   5) develop interaction with ACI 318, provide documents that can be referenced by them.
   6) develop technote on durability and effect of crack width on long term corrosion

7. Interactions with ACI 318 regarding the review and evaluation of ACI 544-4R, ACI 544-6R document as well as ACI 544-7R documents.

8. Progress report current, ongoing, and proposed documents:
   a) Congratulations to Amir for 544-4R new Design Document
   b) need to promote and reorganize our design packet.
   c) ACI 239: UHPC development of design guides, submitted to the committee
   d) Minimum reinforcement design, Residential, Fibers in Plain Structural Concrete
   e) Long terms Shrinkage, creep, and fatigue of FRC, A design Perspective.

9. Other business / presentations / informal discussion of projects
10. Adjournment