

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. Fianmofrad 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, backcalculation 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