AGENDA
ACI COMMITTEE 221 – AGGREGATES
ACI Fall Convention 2019 – 10/22/2019 (Tuesday), 11:00 AM-1:30 PM, C-264, Duke Energy Convention Center, Cincinnati

1. Call to order and introductions
2. Review and approval of Fall 2018 meeting minutes
3. Membership – Voting Members (22), Consulting Members (5) and Associate Members (23)
4. Report from the TAC contact – report from the workshop for technical committee chairs

5. ACI research council proposal review and provide recommendations – One proposal submitted - Endorsement requires the TC chair or task group chair to complete the approval form and submit results of an administrative ballot - Deadline to complete a Committee administrative ballot: November 15.

6. Updates on the AAR document
   a. 201/221 joint document development on AAR
      i. An administrative ballot has been initiated on 8/2/2019 on “Should Committee 201 and Committee 221 develop a joint document with the singular focus of providing guidance on alkali-aggregate reactivity (AAR) and its effect on concrete?” – Ballot results: 19 – affirmative, 1 – negative, 0- abstain, 4 – not returned
      ii. It passed 95.0% Aff in 221, 96.7% Aff in 201 with one negative in 201 and one negative in 221.
      iii. Next step: the appropriate information (rationale and negatives) from the committee web sites will be assembled by TAC for a ballot. At this point, this item will possibly be placed as the TAC agenda rather than try to squeeze in a web ballot. We need approval from TAC to proceed with the joint document development. Once we get the approval the next step will be to fill out a document revision plan
      iv. Outline development of the joint document – Earlier a revised outline was balloted in 221 on 8/3/2018 with the ballot results of 13 – affirmative, 4 – affirmative with comments, 2 – negatives, 0 – abstain, 4 – not returned (Item meets the ½ Rule as well as the 2/3 Rule). The negative comments are no longer valid comments as we are now talking about developing a joint document. This outline can serve as a draft outline for the joint document. This will be discussed in subcommittee (201-H).

   b. Updates on developing Chapters 1, 2 and 3 according to the approved revised outline will be provided
      i. Chapter 1: Introduction – after completion of Chapters 2 and 3, a new introduction will be written
      ii. Chapter 2: (i) Mechanism of Alkali-Aggregate Reaction (developing a new Chapter) - Volunteers for the ASR portion: Kai-Wei (Victor), Anol, (ii) Volunteers for the ACR portion: Mengesha Beyene, Pierre Luc Fecteau, Benoit Fournier, Tetsuya Katayama
      iii. Chapter 3: Role of Aggregate Minerology (developing a comprehensive new chapter) - Volunteers for the ASR portion: Kai-Wei (Victor), Kristen, Anol, (ii) Volunteers for the ACR portion: Pierre Luc Fecteau, Mengesha Beyene, Benoit Fournier, Tetsuya Katayama
Updates on the revision of the main Document (221R-96) – A combined approach of (a) identifying the items that are out of date (old information not relevant, deletion), (b) identifying new information (supported by identifying important / relevant recent references) not included, and (c) incorporating changes (addition), was adopted to revise all the chapters. A chapter-wise short discussion to go through what has been achieved and what needs to be done to resolve some of the negatives and improve the revision process, will be conducted

a. Chapter 1 - INTRODUCTION: A letter ballot has been posted on 3/12/2019,
   Volunteers: Mark, Alf, Jim Casilio and Anol; Ballot results (Document meets the ½ Rule as well as the 2/3 Rule): 13-Affirmative, 3 – affirmative with comments, 2 – negatives, 6 – not returned; document has been revised to take care of two negatives, some more discussion is needed in the committee meeting (CM) to make the Table more clear (April Snyder will lead this effort). After that the document will be again balloted to get committee approval.

b. Chapter 2: PROPERTIES OF HARDENED CONCRETE INFLUENCED BY AGGREGATE PROPERTIES – A preliminary revision was done by Larry Shutter – volunteers will be identified in the CM for further thorough revision to cover the above 3 aspects (a, b, and c)

c. Chapter 3—PROPERTIES OF FRESHLY MIXED CONCRETE INFLUENCED BY AGGREGATE PROPERTIES: A significant revision has been made and the revised Chapter has been posted as a letter ballot on 10/3/2019, An update will be provided on “the basis of revision” and ballot results so far, Volunteers: Kristen Freeman, Jim Casilio, Dave Rothstein and Anol

d. Chapter 4—EFFECTS OF PROCESSING AND HANDLING OF AGGREGATES ON PROPERTIES OF FRESHLY MIXED AND HARDENED CONCRETE: Volunteer: Jim Casilio and Anol
   i. A letter ballot has been posted for the revised version on 3/12/2019, ballot results: (Item meets the ½ Rule as well as the 2/3 Rule with 11-Affirmative, 4 – affirmative with comments, 3 – negatives, 6 – not returned)
   ii. The document has been revised (2nd time) to take care of the negative votes and re-balloted on 8/23/2019, Ballot results: (Item meets the ½ Rule as well as the 2/3 Rule with 13-Affirmative, 3 – affirmative with comments, 0 – negatives, 0-abstain, 8 – not returned)
   iii. The Chapter is ready to send to TAC

e. Chapter 5: QUALITY ASSURANCE – A revised version has been developed and balloted on 10/9/2019, Volunteers: Mark Lukkarila, John Fox, and Anol

f. Chapter 6: —MARGINAL AND RECYCLED AGGREGATES - Committee decided in Spring 2018 meeting to produce two separate chapters, i.e., one on “RCA” and another one on “Beneficiated Aggregates” instead of “Marginal Aggregates”
   i. The RCA chapter is under revision (2nd revision) and will be balloted before the Fall 2019 meeting. Volunteers: Xijun Shi, Leandro F. M. Sanchez, and Anol
   ii. John Perry volunteered to write a chapter for Beneficiated Aggregates

g. Chapter 7—Heavyweight aggregates: A revised version has been developed and balloted on 10/9/2019, Volunteers: Mark Lukkarila, John Fox, and Anol

h. Chapter 8: Sustainability Chapter: This Chapter has been approved on 12/10/2015.
i. Chapter 9 – References: while revising each chapter, new references are added. These references will finally be added to the existing reference list in order to revise this Chapter.

8. Other Business – Preparation of Technotes (part of Guide) / Emerging technology report (ETR) part of report, Mini session

9. New Business:

10. Adjournment