

## AGENDA

### ACI COMMITTEE 221 – AGGREGATES

ACI Fall Convention 2018 - 10/16/2018 (Tuesday), 11:00 AM-1:30 PM, Rio All-Suites Hotel,  
Brasilia 7, Las Vegas, NV

1. Call to order and introductions
2. Review and approval of Spring 2018 meeting minutes
3. Membership – 23 Voting Members, 4 Consulting Members, 27 Associate Members
4. Report from TAC contact Michael Brown
  
5. Discussion on ballot results for the revised outline for "Report on Alkali-Aggregate Reactivity" (ACI 221.1R) – Item meets both the ½ and 2/3 rules and passes. The discussion in the following aspects to have a resolution of the two negative votes.
  - a. Revisiting the scope of Chapter 6 (Evaluation and Repair for AAR Affected Structures) – Repair may not be the scope of the 221 document. However, AAR evaluation (i.e., aggregate evaluation, damage estimation and identification and quantification of SCMs) by petrographic examination (ASTM C 856) and other methods of field cores in accordance with ASTM C 1778 can still be covered in this chapter.
  - b. Reducing the duplication of coverages and elimination of conflicts (201 AAR sub-committee vs 221) in Chapters 4 (Methods to Evaluate Potential for Expansive AAR) and 5 (Measures to Prevent AAR)
  - c. Assigning the responsibility to the interested and committed volunteers to update the chapters in accordance with the revised outline – Some volunteers are identified and the revision of ASR portions in chapters 1, 2 and 3 is under progress. Looking for more volunteers to revise the remaining ASR chapters. The volunteers to revise the ACR chapters are also identified.
  
6. A presentation on “current understanding and practice, and updates in knowledge on ACR” by Mengesha Beyene, SES Group and Associates, LLC Turner Fairbank Highway Research Center
  
7. Efforts to revise the main Document - The 221R-96 document is over 20 years old. Based on the suggestions received from our TAC contact, the main emphasis should be given to (a) identify the items that are out of date (old information not relevant), (b) identify new information (supported by identifying important / relevant recent references) not included, and (c) create a roadmap - prepare recommendations for what would need to be done to bring it up to date (generate a work list). A chapter-wise short discussion to go through what has been achieved till date
  - a. Chapter 1- INTRODUCTION: Revision of Table 1 was made by John Perry and reviewed by Mark Lukkarila, Alfred Gardiner, and Jim Casilio – need to decide whether the document in its revised form is ready to ballot
  - b. Chapter 2: PROPERTIES OF HARDENED CONCRETE INFLUENCED BY AGGREGATE PROPERTIES – A preliminary revision was done by Larry Shutter – need further thorough revision to cover the above 3 aspects of current emphasis
  - c. Chapter 3—PROPERTIES OF FRESHLY MIXED CONCRETE INFLUENCED BY AGGREGATE PROPERTIES: Identify volunteer(s)

- d. Chapter 4—EFFECTS OF PROCESSING AND HANDLING OF AGGREGATES ON PROPERTIES OF FRESHLY MIXED AND HARDENED CONCRETE: Jim Casilio reviewed two times and covered most of the above aspects – need to decide whether the document in its revised form is ready to ballot
- e. Chapter 5: QUALITY ASSURANCE – A preliminary revision was done by Mark Lukkarila – need further thorough revision to cover the above 3 aspects of current emphasis
- 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”
  - 1. A draft RCA chapter was prepared by Xijun Shi and Anol Mukhopadhyay and currently under revision (Leandro F. M. Sanchez)
  - 2. John Perry volunteered to write a chapter for Beneficiated Aggregates
- g. Chapter 7—Heavyweight aggregates: A preliminary revision was done by Mark Lukkarila – need further thorough revision to cover the above 3 aspects of current emphasis

8. Other Business

9. Adjournment