

AGENDA
ACI COMMITTEE 221 – AGGREGATES
ACI Spring Virtual Convention 2021 – 3/30/2021 (Tuesday), 2:00 - 4:30 PM

1. Call to order and introductions
2. Review and approval of Fall 2020 meeting minutes.
3. Membership – Voting Members (22), Consulting Members (5) and Associate Members (25)
- 4. Mini Session on “Recent Developments on Alkali Carbonate Reaction (ACR)”**
 - a. *“Alkali-Silica Reaction (ASR) as the Primary Cause of Distress in Concrete Pavements Made from Reported Alkali Carbonate Reaction”* by Mengesha & Meininger
 - b. *“Assessing ASR and ACR-induced Damage in Concrete - Are We Talking About the Same Mechanism?”* by Leandro Sanchez
 - c. *Recent Case Studies Presenting Microstructural Characterization of Potential Alkali Carbonate Reaction Damage* by April Snyder
 - d. *When ACR Is Not the Answer* by Jamison Langdon
- 5. Updates on the revision of the main Document (221R-96)**
 - a. Chapters 3, 4, 5 and 7 were revised and approved through multiple ballots.
 - b. **Chapter 1** was revised and approved except Table 1. A small task group was created to rework on Table 1 (e.g., April, Mark, and Randy) followed by balloting.
 - c. **Chapter 2:** Properties of hardened concrete influenced by aggregate properties – need volunteers.
 - d. **Chapter 6:** — Recycled Concrete Aggregates
 - i. A newly developed RCA chapter was balloted (10/13/2020 - 11/13/2020).
Volunteers: Xijun Shi, Gabriella Puente de Andrade, Leandro F. M. Sanchez, and Anol
 - ii. 5 – negative votes
 - iii. Revision of the chapter to address the negatives is under progress.
- 6. Updates on the AAR document** chapters that are closely related to the domain of 221
 - i. Chapter 2: Mechanism of Alkali-Aggregate Reaction (developing a new Chapter)
 1. Volunteers for the ASR portion: Kai-Wei (Victor), April, and Mark
 2. Volunteers for the ACR portion: Mengesha Beyene
 - ii. Chapter 3: Role of Aggregate Minerology (developing a comprehensive new chapter)
 1. Volunteers for the ASR portion: Kai-Wei (Victor), Kristen
 2. Volunteers for the ACR portion: Mengesha Beyene
- 7. Other Business**
- 8. Preparation of Technotes (part of Guide) / Emerging technology report (ETR) part of report, Mini session**
 - a. Potential topic as a Tech Note / report on “The Use of Field Performance History in Accessing ASR Potential” – Jim, Larry, David
9. New Business:

- a. Mini session on how to use ASTM C 1778. Mark Lukkarila indicated that 225 is working on a mini session on this subject and perhaps we can work on it jointly.
- b. A joint-session 201-H and 221 on iron sulfide issues – volunteer from 221.

10. Adjournment