ACI COMMITTEE 552 CEMENTITIOUS GROUTING
2018 Fall Convention, Las Vegas, NV
Tuesday, October 16, 2018, 4:00 – 5:30 pm

AGENDA

1.0 Call to Order

2.0 Welcome, Self-Introductions of those in Attendance

3.0 Review and Approval of Minutes from Spring 2018 Minutes

4.0 Membership List Update

5.0 TAC and ACI Updates from Committee Chair Breakfast – Ferraris and TAC Contact Goodwin

6.0 Presentations: “Technical Introduction to Low Density Cellular Concrete and Advanced Engineered Backfill Grout” by Milton Gomez, Aerix Industries

7.0 Committee Documents
   7.1 Technote “How-To Enhance Durability of Grout Elements in Marine Environments?” - Jon Belkowitz – Help by Ferron and Lewis
   7.2 Report on Grouting Guide for MCP – Status (see table below)
   7.3 Other Tech Notes

8.0 Technical Sessions
   8.1 “Grouting for a Sustainable Future” – moderator Jon Belkowitz – Postponed
      8.1.1 Have 3 speakers. J. Warmer, I. de la Varga, M. Gomez
   8.2 Materials Science Aspects Related to Digital Manufacturing (3D Printing) of Cementitious Materials – moderator Narayanan Neithalath - Fall 2018 - Las Vegas, NV (Monday 8:30 AM)
   8.3 Student Workability competition will be in Quebec. Judges needed.
   8.4 Other sessions for future conventions

9.0 Additive manufacturing of grout – Committee 564 – meeting on Monday 1:30PM

10.0 Old Business

11.0 New Business

12.0 Adjourn
# Project Plan for Guide to Cementitious Grouting Materials

Updated in October 5, 2018 - before convention

<table>
<thead>
<tr>
<th>CHAPTER</th>
<th>OWNERS</th>
<th>Completion status</th>
<th>Status</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Introduction</td>
<td>Green, Skaggs, Yen</td>
<td>Ballot completed 8/20/2018 - 2Neg</td>
<td>Revised and submitted for ballot</td>
<td>Revision of Neg by 9/20/2018</td>
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<tr>
<td>2. Constituent Materials</td>
<td>Khayat, DeLa Varga, Nathan Tregger, Zemei Wu</td>
<td>1st draft posted March 16-2018</td>
<td>Team needs help in several areas: some text on ultrafine cement and rapid set cement.</td>
<td>4 neg - under review</td>
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<td>3. Fresh Properties</td>
<td>Sonebi, Khayat, Ferraris, Ouellet-Plamondon</td>
<td>Ballot Oct 2014 (2 neg and 1 comment) - Completely revised chapter; Ballot 2017 - 2 neg and several comments</td>
<td>May 1st resolve the information</td>
<td>Passed with comments</td>
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<td>4. Hardened Properties</td>
<td>Ammar Yahia + Claudiane Ouellet-Plamondon</td>
<td>Half Completed by DiStefano (not available); we do not have contact information for this person</td>
<td>July 2018 draft.</td>
<td></td>
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<td>5. Durability</td>
<td>Al-Manaseer, Valadez</td>
<td>In progress</td>
<td>Ballot failed May 2014 (3 neg and 3 comments); Revised and ballot March 2017 (8 neg, 5 comments) - A. Al-Manaseer will continue to work on it and then send it back for comments.</td>
<td>Raissa 1st - Kamal, Nate, Igor for overlap- May 1st - June 1st - ballot in August</td>
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<td>6. Mixture Proportioning</td>
<td>Yahia Ammar, Jon Belkowitz, B. Green,</td>
<td>More than outline sent by Ammar - Aug22, 2017 Posted with Ferraris comments</td>
<td>(Ballot of outline failed 2011 (lack of participation) no negatives) - Chapter co-owners (A. Yahia, J. Belkowitz, B. Green and K. Foody) will review and update (if necessary) outline.</td>
<td>Jon call Ammar</td>
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- A. Performance requirements and Life Cycle Costs
- B. Qualification of constituent materials
- C. Design methodology
<table>
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<tr>
<th>7. Production and Placement</th>
<th>Brian Green, Jon Belkowitz, Pedro</th>
<th>nothing available</th>
<th>C. Ferrari will send out an email to the committee that we need a chapter leader. She will also encourage committee members contribute to this chapter. § M. Gomez will reach out to people at the grouting conference at UT Austin in May (see New Business for more details on conference) to see if he can find a leader.</th>
<th>Aug-18</th>
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<tbody>
<tr>
<td>A. Mixing</td>
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<td>B. Pumping</td>
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<td>C. Dispersion</td>
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<td>D. Batching Sequence</td>
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<td>E. Certification and Insitu Verification: did the material do what it is supposed to do.</td>
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<td>8. Case Studies</td>
<td>Igor De La Varga - Coordinator; Al-Manasser</td>
<td>Special form posted - &quot;Case studies layout&quot;</td>
<td>2 case studies received - More needed? Pedro Medes will submit a case study. Trey Hamilton mentioned that he is working on post-tensioning grout. Pedro Mendes will reach out to see if he can find someone to submit a case study. It was mentioned that we should see if we can get a case study from someone working on 3D printing.</td>
<td>Call for Case study was sent out by Igor on 11/4/2016 with several reminders after</td>
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<td>A. Geotechnical</td>
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<td>B. Tendon</td>
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<td>C. Masonry</td>
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<td>9. Material Performance</td>
<td>Need-volunteer</td>
<td>Nothing-done</td>
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<td>Appropriateness of the Mixture used</td>
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<td>10. Sustainability/Lifecycle</td>
<td>Ferraris</td>
<td>Completed</td>
<td>Ballot-failed-2014; 2-neg-and-3 comments</td>
<td>No-longer required by ACI-DELETED</td>
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