Meeting Agenda
ACI Committee 236: Material Science of Concrete
Monday, October 25, 2010, 4:30-5:30 pm
David L. Lawrence Convention Center 317
Pittsburgh, Pennsylvania

1. Introductions
2. Purpose of meeting and review of agenda
3. Membership update
4. Review and approval of meeting minutes for Spring 2010
5. Report from TAC liaison Clarissa Ferraris
6. Sub-Committee Reports
   236-B Transport Mechanisms - Nokken
       Sun 2-3: Westin Crawford East
   236-C Computational Materials Science - Tanesi
       Mon 3:30-4:30: Convention Center 317
   236-D Nanotechnology of Concrete – Sobolev
       Sun 3:30-5:00: Convention Center 311
   236-TG1 Advanced Analysis Techniques for Concrete - Boyd
       Tue 3-4: Westin Executive. Boardroom
   236-TG2 Sustainability Engineered by Material Science - Rajabipour
       Tue 11:30-12:30: Convention Center 403
7. Liaison with other Committees
<table>
<thead>
<tr>
<th>236 Member</th>
<th>Liaison to:</th>
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<tbody>
<tr>
<td>Kim Kurtis</td>
<td>EAC</td>
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<tr>
<td>Jan Olek</td>
<td>123, 211, 234, PUBC</td>
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<td>Farshad Rajabipour</td>
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<td>Tyler Ley</td>
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<td>Jason Ideker</td>
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<td>Christopher Ferraro</td>
<td>207, 224, 228</td>
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<td>David McDonald</td>
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<td>Maria Juenger/Zach Grasley</td>
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<td>Clarissa Ferraris</td>
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<td>Dale Bentz</td>
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<td>Jason Weiss</td>
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<td>Narayanan Neithalath</td>
<td>522</td>
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<tr>
<td>Mahmoud Taha</td>
<td>548</td>
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<td>Other?</td>
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8. Update on publications in Concrete International
   Papers published:
   - “Predicting the Permeability of Pervious Concrete,” N. Neithalath, D. Bentz, M. Sumanasooriya – published in May, 2010
   Papers in press:
Papers submitted:
- Revealing Concrete Quality by Surface Probing – Taha and Al-Haik – reviewed by 236 – CI rejected revised version
- Wood pulp fibers – B. Mohr – with authors in revision

Papers suggested but not (yet) submitted
- Carbon uptake capacity by concrete products – Y. Shao
- Structural concrete with lightweight synthetic particles – M. D’Ambrosia
- Methods for testing concrete for permeability on site – M. Basheer
- Air void shells in air-entrained systems – T. Ley
- Calcium aluminate cements – J. Ideker
- Nanoparticles – K. Sobolev (based on Greene’s work)
- Materials Science perspective on SCC - suggested by Lange
- Multi-scale Concrete Performance – Biernacki, Grasley, Sanchez
- Materials Science of Foamed Concrete – Sobolev and Hoff

9. Sessions at this convention:
- Green Binders Technology – Rajabipour and Olek
  Wednesday, October 27, 9-12, David L. Lawrence Convention Center 304

10. Future sessions

Spring 2011 – Tampa – Concrete: The Strength of Florida
- “Performance Testing of Concrete Parts I and II” - Basheer and Ferraro with Obla and Neithalath (201)

Fall 2011 – Cincinnati – Bridging Theory and Practice
- Multiple-Type Durability Attack, Parts I and II – Don Janssen (201) and Peethamparan
- Fiber Reinforced Concrete – Smart Materials and Sensors, Parts I and II – Sobolev with Aldea (544)

Spring 2012 – Dallas (proposed)
- Kinetics of Hydration (and Durability Reactions) – Biernacki and Grasley
- Transport Properties – Claisse
- Alkali Silica Reaction – Ideker and Rajabipour

Fall 2012 – Toronto – Forming our Future (proposed)
- Nano-materials in Concrete – Taha

Suggestions with unspecified dates
- Smart Materials and Sensors – Popovics and Shah

11. New Business and Announcements
12. Next meeting – Monday afternoon at ACI Spring 2011 in Tampa
13. Adjourn