Meeting Agenda
ACI Committee 236: Material Science of Concrete
Monday, April 4, 2011, 4:30-5:30 pm
Marriott Grand I&J
Tampa, Florida

1. Introductions
2. Purpose of meeting and review of agenda
3. Membership update
4. Review and approval of meeting minutes for Fall 2011
5. Report from TAC liaison Clarissa Ferraris
6. Sub-Committee and Task Group Reports
   - 236-B Transport Mechanisms (Nokken)
   - 236-D Nanotechnology of Concrete (Sobolev)
   - 236-TG1 Advanced Analysis Techniques for Concrete (Boyd)
   - 236-TG2 Sustainability Engineered by Material Science (Rajabipour)
7. Liaison with other Committees

<table>
<thead>
<tr>
<th>236 Member</th>
<th>Liaison to:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kim Kurtis</td>
<td>EAC</td>
</tr>
<tr>
<td>Jan Olek</td>
<td>123, 211, 234, PUBC</td>
</tr>
<tr>
<td>Farshad Rajabipour</td>
<td>130</td>
</tr>
<tr>
<td>Tyler Ley</td>
<td>130A</td>
</tr>
<tr>
<td>Jason Ideker</td>
<td>201</td>
</tr>
<tr>
<td>Christopher Ferraro</td>
<td>207, 224, 228</td>
</tr>
<tr>
<td>David McDonald</td>
<td>209</td>
</tr>
<tr>
<td>Maria Juenger/Zach Grasley</td>
<td>231</td>
</tr>
<tr>
<td>Clarissa Ferraris</td>
<td>238, 552</td>
</tr>
<tr>
<td>Dale Bentz</td>
<td>308</td>
</tr>
<tr>
<td>Jason Weiss</td>
<td>365</td>
</tr>
<tr>
<td>Narayanan Neithalath</td>
<td>522</td>
</tr>
<tr>
<td>Mahmoud Taha</td>
<td>548</td>
</tr>
<tr>
<td>Other?</td>
<td>Other?</td>
</tr>
</tbody>
</table>

8. Update on publications in Concrete International

Papers published:

Papers in press:
- Early Age Carbonation Curing of Concrete Using Recovered CO$_2$: For performance enhancement, energy efficiency and carbon storage – X. Shao and Y. Lin – to be published in ???

Papers submitted:
- Revealing Concrete Quality by Surface Probing – Taha and Al-Haik – reviewed by 236 – with authors in revision
- Wood pulp fibers – B. Mohr – with authors in revision
Papers suggested but not (yet) submitted
- Structural concrete with lightweight synthetic particles – M. D’Ambrosia – agreed to send abstract
- Air void shells in air-entrained systems – T. Ley – will talk to Donahey before submitting abstract
- Methods for testing concrete for permeability on site – M. Basheer – agreed to send abstract
- Calcium aluminate cements – J. Ideker – agreed to send abstract
- Self-healing and bio-inspired materials – Mondal – agreed to send abstract

9. Sessions at this convention:
Performance-Based Specifications and Testing: Parts I, II and III - Basheer and Ferraro with Obla and Neithalath (201)
   Part I: Monday 9am-12, Marriott Salon 4
   Part II: Tuesday 2pm-5, Marriott Salon 4
   Part III: Wednesday 9am-12, Marriott Salon 4

10. Future sessions

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

Spring 2012 – Dallas
- Kinetics of Hydration (and Durability Reactions) – Biernacki and Grasley with 231 (Early Age)
- Transport Properties – Claisse
- Alkali Silica Reaction – Ideker and Rajabipour with 201 (Durability) and 221 (Aggregates)

Fall 2012 – Toronto – Forming our Future
- Nano-materials in Concrete – Taha
- Self-healing and bio-mimetic materials – Mondal and Wang

Suggestions with unspecified dates
- Smart materials and Sensors – Popovics and Shah
- Alternative binders for repair materials – Ideker

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