

Meeting Agenda
ACI Committee 236: Material Science of Concrete
November 3, 2008, 4-5:30 pm
Majestic G, Renaissance Hotel
St. Louis, Missouri

1. Introductions
2. Purpose of meeting and review of agenda
3. Membership update
4. Review and approval of meeting minutes for Spring 2008
5. Report from TAC liaison David Lange
6. Liaison with other Committees
7. Update on publications in *Concrete International*

Papers submitted:

- Solidification, Parts I and II – Sant, Weiss, Bentz, et al. – reviewed by 236 – revised by authors – submitted to CI
- Nanotechnology Revolution in Concrete – Sanchez and Sobolev – reviewed by 236 – with authors in revision
- Revealing Concrete Quality by Surface Probing – Taha and Al-Haik – in review by 236
- Paper linking maturity with conductivity – D. Hooten and M. Nokken – with authors in revision
- Wood pulp fibers – B. Mohr – with authors in revision

Papers suggested but not (yet) submitted

- Methods for testing concrete for permeability on site – M. Basheer
- Cracking mechanisms 101 – P. Taylor
- Effects of curing regimes on ternary mixes – J. Olek
- Effect of liquid nitrogen on hydration and microstructure – M. Juenger
- Pervious concrete – N. Neithalath
- Air void shells in air-entrained systems – T. Ley
- Calcium aluminate cements – J. Ideker
- Nanoparticles – K. Sobolev (based on Greene's work)
- Paper on "heat" from session – compiled from SP papers – K. Wang
- Overview of modeling on cement-based materials – J. Tanesi
- Nano-characterization from Research in Progress session of Spring 2008 session - Taha
- Materials Science perspective on SCC - suggested by Lange.
- Multi-scale Concrete Performance – Biernacki, Grasley, Sanchez

8. Sessions at this convention:
 - Early age test specifications: Part 1 – Z. Grasley, co-sponsored with 231

9. Future sessions

Spring 2009 (San Antonio)

- In-situ techniques for transport – A. Boyd and C. Ferraro - cancelled
- Early age test specifications: Part 2 – Z. Grasley, co-sponsored with 231
- Temperature Effects on Concrete Durability – J. Olek and J. Biernacki?

Fall 2009 (New Orleans)

- Permeation Methods – M. Basheer
- Materials science modeling as a solution to concrete problems - Tanesi and Sobolev – approved
- Nanotechnology of Concrete – Sobolev – preliminary approval

Spring 2010 (Chicago), Others

- Thixotropy – S. Shah and K. Khayat?
 - Two Co-sponsored sessions with ACBM?
10. Report from Sub-Committee 236-B (Transport Mechanisms) Kurtis, Nokken
 - Ballot results (25 A, 4 A with comments, 4 N, 17 not returned)
 - Discussion of options for path forward
 11. Report Sub-Committee 236-C (Computational Materials Science) Tanesi
 12. Report from Sub-Committee 236-D (Nanotechnology of Concrete) Sobolev
 - Bibliography publication at PCA
 - New documents
 13. New Business and Announcements
 14. Next meeting – Monday afternoon at ACI Spring 2009 in San Antonio
 15. Adjourn