

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

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

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:

- Shrinkage and cracking resistance of ternary concrete under various curing conditions – M. Radlinksy, J. Olek, T. Nantung – to be published in January, 2011

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