

Meeting Agenda
ACI Committee 236: Material Science of Concrete
Monday, October 17, 2011, 4:30-5:30 pm
Duke Energy Center 204
Cincinnati, Ohio

1. Introductions
2. Purpose of meeting and review of agenda
3. Membership update
4. Review and approval of meeting minutes for Spring 2011
5. Report from TAC liaison Clarissa Ferraris
6. Sub-Committee and Task Group Reports

Sub-committee/Task Group		Chair	Meeting time	Location
236-B	Transport Mechanisms	Nokken	Sun 2:00pm-3:30pm	C-261
236-D	Nanotechnology of Concrete	Sobolev	Sun 3:30pm-5:00pm Tue 1:00pm-3:00pm	C-261 C-234
236-TG1	Advanced Analysis Techniques for Concrete	Boyd	Tue 3:00pm-4:00pm	M-464 Board Room
236-TG2	Sustainability Engineered by Materials Science	Rajabipour	Tue 11:30am-12:30pm	C-263
236-TG4	Modeling and Simulation Methods	Sant	Tue 10:30am-12:30pm	C-251

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/Mahmoud Reda Taha	209
Maria Juenger/Zach Grasley	231
Clarissa Ferraris	238, 552
Dale Bentz	308
Jason Weiss	365
Narayanan Neithalath	522
Mahmoud Reda Taha	548
Other?	Other?

8. Update on publications in *Concrete International*

Papers published:

- Early-Age Carbonation Curing of Concrete Using Recovered CO₂, Yixin Shao and Xiaolu Lin, *Concrete International*, Vol. 33 [9], pp. 50-56, Sept. 2011.

Papers suggested but not (yet) submitted

- Structural concrete with lightweight synthetic particles – M. D’Ambrosia
- Fly Ash – T. Ley
- Methods for testing concrete for permeability on site – M. Basheer and M. Nokken
- Calcium aluminate cements – J. Ideker
- Self-healing and bio-inspired materials – Mondal and Ferron

9. Sessions at this convention:

Fiber Reinforced Concrete – Smart Materials and Sensors: K. Sobolev and C. Aldea (544)
Monday, October 17, 9:00 AM - 12:00 PM, C-JUNIOR D

Multiple-Type Durability Attack: T.Ley, S. Peethamparan, and D. Janssen (201)
Part I: Wednesday, October 19, 9:00 AM - 12:00 PM, C-JUNIOR B
Part II: Wednesday, October 19, 2:00 PM - 5:00 PM, C-JUNIOR B

10. Future sessions:

Spring 2012 – Dallas - The Art of Concrete (submit final approval form by Friday, Oct. 21)

- Energy Modeling of Concrete and Masonry Buildings – Olek and Rowland (130)
- Early Age Hydration Kinetics and Temperature Effects on Concrete Durability - co-sponsored with 231 – Biernacki, Grasley, and Sant.
- Transport Properties – Claisse
- ASR Test Methods, Recent Developments – Ideker and Rajabipour with 201, 221, and E701

Fall 2012 – Toronto – Forming our Future

- Nano-materials in Concrete – Taha –548 may co-sponsor
- Self-healing and bio-mimetic materials – Mondal and Wang
- Teaching Sustainability to Current and Future Engineers – Rajabipour and Rowland (130G)

Suggestions with unspecified dates

- Alternative Binders for Repair Materials – Ideker and Radlinska

11. New Business and Announcements

12. Next meeting – Monday afternoon at ACI Spring 2012 in Dallas

13. Adjourn