

Meeting Agenda
ACI Committee 236: Material Science of Concrete
Monday, October 22, 2012 4:30-5:30pm
Sheraton Centre: City Hall Room
Toronto, ON Canada

1. Introductions
2. Purpose of meeting and review of agenda
3. Membership update
4. Review and approval of meeting minutes from Spring 2012
5. Report from TAC contact Clarissa Ferraris
6. Sub-Committee and Task Group Reports

Sub-committee/Task Group	Chair	Meeting time	Location
236-D Nanotechnology of Concrete	Sobolev	Sun 3:30pm-5:00pm Tue 1:00pm-3:00pm	Ice Palace Peel
236-TG1 Advanced Analysis Techniques for Concrete	Shao	Tue 3:00pm-4:00pm	Peel
236-TG2 Sustainability Engineered by Materials Science	Rajabipour	Tue 11:30am-12:30pm	Grand East
236-TG4 Modeling and Simulation Methods	Sant	Tue 10:30am-12:30pm	Gingersnap

Update on 236.YR: Report on Nanotechnology and Nanoscience of Cement-based Materials

7. Liaison with other Committees

236 Member	Liaison to:
Kim Kurtis	EAC
Jan Olek	123, 211, 234
Farshad Rajabipour	130
Tyler Ley	130A
Jason Ideker	201
Christopher Ferraro	207, 224
David McDonald/Mahmoud Reda Taha	209
Prasad Rangaraju	221, 232, 233
Andrew Boyd	228
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 since the last convention

September 2012: "Virtual Testing in a Cement Plant " by P. Sahachaiyunta, K. Pongpaisanseree, J.W. Bullard, P.E. Stutzman, E.J. Garboczi, and W. Vichit-Vadakan

Abstracts submitted to R. Donahey

- Calcium aluminate cements – J. Ideker and C. Gosselin

Papers suggested but not (yet) submitted

- Structural concrete with lightweight synthetic particles – M. D’Ambrosia
- Classification of Fly Ash with new characterization techniques – T. Ley
- Methods for testing concrete for permeability on site – M. Basheer and M. Nokken
- Self-healing and bio-inspired materials – Mondal and Ferron
- Alternative cements from a materials science perspective – M. Juenger
- Alkali-activated slags – S. Peethamparan and A. Radlinska

9. Sessions at this convention:

“Teaching Sustainability to Current and Future Engineers”

F. Rajabipour and L. Rowland (with 130G)

Sunday, October 21, 3:30PM – 5:30PM, Dominion South

10. Future sessions:

Spring 2013 – Minneapolis - Responsibility in Concrete

(Sessions with preliminary approval – submit final session request by October 26, 2012)

- Green Cement Technology – with SP under development (Neithalath, Obla, Hicks, and Meyers with 232 and 130)
- Early age properties of repair binders (Ideker, Radlinska and Riding with 231)

Fall 2013 – Phoenix: Innovation in Conservation

(Submit preliminary session request by October 26, 2012)

- Self-Healing and Bio-Mimetic Materials (Mondal and Wang) - already have preliminary approval
- Nano-based Cementitious and Polymeric Composites for Construction, Parts 1 & 2 (Taha and Nemunaitis with 548) - already have preliminary approval
- Cementitious Materials for Waste Containment (Kurtis, Sanchez, Juenger with Cozzi)

Spring 2014 – Reno, NV

(Submit prelim. session request by April 19, 2013 and SP request by September 21, 2012)

- Hydration and Property Evolution of Concretes with Low Portland Cement Content (Bullard and Sant)

Suggestions with unspecified future dates

F 2014 Washington, D.C. - Sp 2015 Kansas City – F 2015 Denver - Sp 2016 Milwaukee

- Inorganic mineral replacements in concrete (with an interest in high volume replacements >50%) (Sant) perhaps with 231 and 130
- Modeling and Simulation of Fluid and Ion Transport in Cementitious Materials (Sant, Isgor, Shamsavari)
- By-product utilization center started by Naik would be good for Milwaukee in Spring 2016. Perhaps session in honor of Naik with 232 and 130 (Sobolev)

11. New Business and Announcements

12. Next meeting – Monday afternoon at ACI Spring 2013 in Minneapolis

13. Adjourn