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**Meeting Agenda
ACI Committee 236: Material Science of Concrete
Monday, April 18, 2016 4:30-5:30pm
C-202 C
Milwaukee, WI USA**

1. Introductions
2. Purpose of meeting and review of agenda
3. Membership update
4. Review and approval of meeting minutes from Fall 2016
5. Report from TAC contact Kimberly Kurtis
6. Sub-committee and task group reports

Sub-committee/Task Group	Chair	Meeting time	Location
236-TG1 Advanced Analysis Techniques for Concrete	J. Hartell	Sun 3-4 pm	C-201 B

SC/TG Documents

- 236.XR: Advanced Analysis Techniques for Hardened Concretes (J. Hartell)

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
Matthew D'Ambrosia/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
Konstantin Sobolev	241
Other?	Other?

8. Update on publications in *Concrete International*

Papers published since the last convention

R. J. Thomas, H. Ye, A. Radlinska, S. Peethamparan, "Alkali-Activated Slag Cement Concrete: A closer look at a sustainable alternative to portland cement," *Concrete International*, 38(1) January, 2016, pp. 33-38.

Paper accepted for publication (for May CI)

P. Suraneni, V.J. Azad, O.B. Isgor, W.J. Weiss, "The Role of Deicing Salts on the Durability of Concrete Pavements and Joints," *Concrete International*.

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Papers suggested but not (yet) submitted

- Methods for testing concrete for permeability on site – M. Basheer and M. Nokken
- Self-healing and bio-inspired materials – P. Mondal and R. Ferron
- An innovative approach for formulating ASR resistant mixtures – A. Mukhopadhyay and K.-W. Liu. A. Mukhopadhyay
- Aggregate optimization or SCC - K. Sobolev
- Rheology and its interpretation for cement-based materials – K. Khayat
- Effect of magnesium chloride deicer on concrete – X. Shi

Email M. Juenger if you have an idea for a paper.

9. Sessions at this convention:

Fly Ash in Concrete Tribute to Tarun R. Naik, Part 1 of 2

Tuesday, April 19, 2016 8:30 AM - 10:30 AM, C-202 D

Moderators: Konstantin Sobolev, Bruce W Ramme

Fly Ash in Concrete Tribute to Tarun R. Naik, Part 2 of 2

Tuesday, April 19, 2016 4:00 PM - 6:00 PM, C-202 D

Moderators: Konstantin Sobolev, Bruce W Ramme

Nanoscale Fiber-Reinforced Concrete, Part 1 of 2

Monday, April 18, 2016 8:30 AM - 10:30 AM, C-202 B

Moderators: Konstantin Sobolev, Maria S Konsta

Nanoscale Fiber-Reinforced Concrete, Part 2 of 2

Monday, April 18, 2016 11:00 AM - 1:00 PM, C-202 B

Moderators: Konstantin Sobolev, Surendra P Shah

Further Investigations of Carbon Dioxide Utilization in Concrete

Sunday, April 17, 2016 1:00 PM - 3:00 PM, C-202 B

Moderators: Sean Monkman, Yixin Shao

Advances in the Use of Polymers in Concrete, Part 1 of 2

Wednesday, April 20, 2016 8:30 AM - 10:30 AM, C-202 E

Moderators: Mahmoud M Reda Taha, Michael S Stenko

Advances in the Use of Polymers in Concrete, Part 2 of 2

Wednesday, April 20, 2016 11:00 AM - 1:00 PM, C-202 E

Moderators: Mahmoud M Reda Taha, Jay Lee

10. Future sessions:

SP and session deadlines:

<http://www.concrete.org/Portals/0/Files/PDF/SPandTechnicalSessionDeadlines.pdf>

Fall 2016 – Philadelphia

(Submit prelim. session request by November 13, 2015; Submit final session request by April 16, 2016)

On ACI 236 website

- Chemically-Activated Binders for Concrete, Part 1 of 2 (RILEM Co-sponsorship) ACI Fall Convention 2016 - Philadelphia, PA (M. Juenger, G. Sant, I. Diaz-Loya);
- Chemically-Activated Binders for Concrete, Part 2 of 2 (RILEM Co-sponsorship) ACI Fall Convention 2016 - Philadelphia, PA (M. Juenger, G. Sant, I. Diaz-Loya);
- Nanotechnology for Improved Concrete Performance, Part 1 of 2 ACI Fall Convention 2016 - Philadelphia, PA (M. Reda Taha);

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- Nanotechnology for Improved Concrete Performance, Part 2 of 2
ACI Fall Convention 2016 - Philadelphia, PA (M. Reda Taha);

Not on ACI 236 website

- Materials science and life-cycle analysis co-sponsored by 130. (S. Miller, J. Gregory)
- Do we need a Type 6 cement? (J. Ideker);

Spring 2017 Detroit

(Submit prelim. session request by April 22, 2016; Submit final session request by October 28, 2016)

- Issue of dispersion of nanomaterials in cement-based materials (S. Kawashima, K. Wang, K. Sobolev);
- Connecting materials science and durability prediction (sponsored by 201, co-sponsored by 236) (P. Tennis);
- Thermal testing and calorimetry applications for concrete QC/QA, and troubleshooting (co-sponsored with 231) (Tim Cost, Anton Schindler, Wayne Wilson);

Fall 2017 Anaheim

(Submit prelim. session request by October 28, 2016; Submit final session request by May 1, 2017)

- Modeling cement hydration (X. Shi, A. Kumar);
- Inorganic mineral replacements in concrete (with an interest in high volume replacements >50%) (G. Sant);

Suggestions with unspecified future dates

Sp 2018 Louisville – F 2018 Las Vegas

- Materials science of aggregates and their role in concrete performance (J. Ideker) Co-sponsor with 221 (Dave Rothstein);
- Nanoceramics (M. Nokken);
- Nothing works for ASR (J. Ideker);

11. New business and announcements

12. Next meeting – Monday afternoon at ACI Fall 2016 in Philadelphia, PA

13. Adjourn

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SP and Technical Session Deadlines

	Denver, CO Fall 2015 November 8-12, 2015	Milwaukee, WI Spring 2016 April 17-21, 2016	Philadelphia, PA Fall 2016 October 23-27, 2016	Detroit, MI Spring 2017 March 26-30, 2017	Anaheim, CA Fall 2017 October 15-19, 2017	Louisville, KY Spring 2018 March 25-29, 2018	Deadline Requirements
<i>Convention Theme</i>	<i>Constructability</i>	<i>TBD</i>	<i>Revolutionary Concrete</i>	<i>TBD</i>	<i>TBD</i>	<i>TBD</i>	<i>Please contact staff if the deadlines cannot be met</i>
Preliminary Session Request	October 31, 2014	April 17, 2015	November 13, 2015	April 22, 2016	October 28, 2016	May 1, 2017	Friday after the Convention one year before the Session
Call for Papers in <i>Concrete International</i> requested	July 9, 2014	December 17, 2014	June 24, 2015	December 26, 2015	June 15, 2016	December 24, 2016	16 Months before the Session but after Preliminary Approval received
All Abstracts received by Moderator	March 9, 2015	August 17, 2015	February 22, 2016	August 25, 2016	February 13, 2017	August 24, 2017	8 Months before the Session
(Co)Moderator Training completed	April 12, 2015	November 8, 2015	April 17, 2016	October 23, 2016	April 26, 2017	October 15, 2017	At least one Convention before the Session
Final Session Request	April 17, 2015	November 13, 2015	April 22, 2016	October 28, 2016	May 1, 2017	October 20, 2017	Friday after the preceding Convention (late submissions cannot be accepted)
SP Preliminary Request if it is to be available at Session	May 9, 2014	October 17, 2014	April 24, 2015	October 26, 2015	April 15, 2016	October 24, 2016	18 Months before the Session
SP Final Material if it is to be available at Session	August 8, 2015	January 16, 2016	July 23, 2016	January 24, 2017	July 15, 2017	January 23, 2018	3 Months before the Session
SP Final Material if produced after Session	November 7, 2017	April 17, 2018	October 23, 2018	April 26, 2019	October 15, 2019	April 24, 2020	2 Years after the Session at the latest

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Other upcoming conferences of interest:

- ACI co-sponsored RILEM SCC 2016, Washington, DC, USA, May 15-18, 2016 <http://www.scc2016.com/>
- EMI 2016 mini symposium: Additive Manufacturing and Advanced Modeling as Tools for Engineering Materials and Interfaces, May 22-25, 2016, Nashville, TN USA <http://www.vanderbilt.edu/emipmc2016/>
- EMI 2016 mini symposium: Multiscale Behavior of Damage and Failure Mechanics, May 22-25, 2016, Nashville, TN USA <http://www.vanderbilt.edu/emipmc2016/>
- Fifth International Conference on Durability of Concrete Structures (ICDS) 2016, Univ. of Shenzhen, China, June 29-July 1, 2016.
- 7th Advances in Cement-Based Materials, Evanston, IL, USA, July 11-13, 2016 <http://ceramics.org/acers-community/division-pages/cements-division>
- First International Interactive Symposium on UHPC, Des Moines, Iowa, USA, July 18-20, 2016 <http://register.extension.iastate.edu/uhpc2016>
- ACI co-sponsored Fourth International Conference on Sustainable Construction Materials and Technologies (SCMT4), Las Vegas, Nevada, USA, August 7-11, 2016 <http://www.scmt.org.uk/SCMT4.htm>
- ACI co-sponsored 3rd International RILEM Conferences on Microstructure Related Durability of Cementitious Composites (Microdurability 2016), October 24-26, 2016, Nanjing, China
- ACI co-sponsored 2nd International Conference on Bio-Based Building Materials (ICBBM 2017), June 21-23, 2017, Aubiere Cedex, France <https://sites.google.com/site/icbbm2015/home>

Websites listing additional relevant conferences:

- <http://www.rilem.org/gene/main.php?base=600040>
- <http://www.concrete.org/Events/EventsCalendar.aspx>