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Meeting Agenda
ACI Committee 236: Material Science of Concrete
Monday, March 26, 2017 4:30-5:30pm
GA-Imperial Ballroom B
Salt Lake City, UT USA

1. Introductions
2. Purpose of meeting and review of agenda
3. Membership update
4. Review and approval of meeting minutes from Fall 2017
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	LA-Wasatch

SC/TG Documents

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

7. Liaison with other Committees

236 Member	Liaison to:
--	EAC
Jan Olek	123, 211, 234
--	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
John Provis	RILEM
	Other?

New Committee 242: Alternative Cements will have its first meeting Tuesday, March 27, 12-2pm, LA-Grand Ballroom B

8. Update on publications in *Concrete International*

Papers published since the last convention

Shah, S.P., Konsta-Gdoutos, M.S., Uncoupling modulus of elasticity and strength, *Concrete International*, V 39, N 11, pg. 37-42.

Papers suggested but not (yet) submitted

- Methods for testing concrete for permeability on site – M Basheer and M Nokken

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- Self-healing and bio-inspired materials – P Mondal, R Ferron, and S Williams
- Aggregate optimization for SCC - K Sobolev
- Effect of magnesium chloride deicer on concrete – X Shi
- Nanoparticle dispersion – S Kawashima, M Konsta-Gdoutos, K Wang
- 3d printing and reinforcing barracks site – P Stynoski

Currently one abstract approved by CI; awaiting manuscript.
Email 236 Chair if you have an idea for a paper.

9. Sessions at this convention:

Chemical Admixture Compatibility

Sun, March 25, 2018 3:30 PM - 5:30 PM, GA-Milano

Concrete Modulus of Elasticity—How High is High?

Mon, March 26, 2018 1:30 PM - 3:30 PM, GA-Riviera

10. Future sessions:

SP and session deadlines:

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

Fall 2018 Las Vegas

(Submit prelim. session request by October 20, 2017; Submit final session request by March 30, 2018)

- Analytical Techniques Bringing the Nanoscale to the Bigger World (S Monkman, P Stynoski). Co-sponsored with 241.
- Materials science of aggregates and their role in concrete performance (J Ideker) Co-sponsored with 221 (D Rothstein).
- Phase Change Materials in Concrete (H Ma).
- Digital manufacturing: materials science aspects (N Neithalath, R Ferron).
- Bio-Based Cementitious Materials (A Ghahremaninezhad).

Spring 2019 Quebec City

(Submit prelim. session request by March 30, 2018; Submit final session request by October 19, 2018)

- Nothing works for ASR (J Ideker, F Rajabipour).
- New experience with testing and application of concrete pozzolans (F Rajabipour, K Kurtis, M Niemuth)

Suggestions with unspecified future dates

S 2019 Quebec City – Fall 2019 Cincinnati

- Nanoceramics (M Nokken)
- Taskgroup session on analytical methods (J Hartell)
- Alternative cements (P Stynoski).

11. New business and announcements

12. Next meeting – Monday afternoon at ACI Fall 2018 in Las Vegas, NV

13. Adjourn

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	Salt Lake City, UT Spring 2018 March 25-29, 2018	Las Vegas, NV Fall 2018 October 14-18, 2018	Quebec City, Quebec Canada Spring 2019 March 24-28, 2019	Cincinnati, Oh Fall 2019 October 20-24, 2019	Rosemont, IL Spring 2020 March 29-April 2, 2020	Raleigh, NC Fall 2020 October 25-29, 2020	Deadline Requirements
<i>Convention Theme</i>	<i>Concrete Elevated</i>	<i>Dream Big, Build Bigger</i>	<i>TBD</i>	<i>TBD</i>	<i>TBD</i>	<i>TBD</i>	<i>Please contact staff if the deadlines cannot be met</i>
Preliminary Session Request	March 31, 2017	October 20, 2017	March 30, 2018	October 19, 2018	March 29, 2019	October 25, 2019	Friday after the Convention one year before the Session
Call for Papers in <i>Concrete International</i> requested	November 23, 2016	June 14, 2017	November 22, 2017	June 20, 2018	November 28, 2018	June 26, 2019	16 Months before the Session
All Abstracts received by Moderator	July 24, 2017	February 12, 2018	July 23, 2018	February 18, 2019	July 29, 2019	February 24, 2020	8 Months before the Session
(Co)Moderator Training completed	October 15, 2017	March 25, 2018	October 14, 2018	March 24, 2019	October 20, 2019	March 29, 2020	At least one Convention before the Session
Final Session Request	October 20, 2017	March 30, 2018	October 19, 2018	March 29, 2019	October 25, 2019	April 3, 2020	Friday after the preceding Convention (late submissions cannot be accepted)
SP Preliminary Request if it is to be available at Session	September 23, 2016	April 14, 2017	September 22, 2017	April 20, 2018	September 28, 2018	April 26, 2019	18 Months before the Session
SP Final Material if it is to be available at Session	December 23, 2017	July 14, 2018	December 22, 2018	July 20, 2019	December 28, 2019	July 25, 2020	3 Months before the Session
SP Final Material if produced after Session	March 24, 2020	October 13, 2020	March 23, 2021	October 19, 2021	March 29, 2022	October 25, 2022	2 Years after the Session at the latest

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Other upcoming conferences of interest:

- 3rd International Conference on Civil Engineering and Materials Science (ICCEMS 2018), Chengdu, China, April 13-15 2018
www.iccem.org
- C-A-S-H Calcium Silicate Hydrates Containing Aluminium, April 23-24, 2018, Dubendorf, Switzerland www.empa-akademie.ch/CASH
- 16th International Conference on Polymers in Concrete (ICPIC), Washington DC, May 2018.
- University of Toronto Industry Workshop and Graduate Course CIV 1299S: Chemistry of Cements and Concrete, Toronto, May 14-18, 2018
- Calcium Sulfoaluminate Cements, June 4-6, 2018, Murten, Switzerland www.empa-akademie.ch/csa2018
- 9th Advances in Cements Based Materials (American Ceramic Society Cements Division Meeting), State College, Pennsylvania, June 11-12, 2018.
- 6th International Conference on Durability of Concrete Structures, July 18-20, 2018, Leeds, UK
https://engineering.leeds.ac.uk/info/201479/conferences/270/sixth_international_conference_on_durability_of_concrete_structures_icdcs2018
- ACI co-sponsored 9th International Conference on Material Science & Engineering (IMS2018) – July 23-25, 2018, Toronto, Canada
- Advanced Materials for Sustainable Infrastructure Development (a Gordon Conference), Hong Kong, China, August 5-10, 2018
www.grc.org
- Conference celebrating the Laboratory of Construction Materials (EPFL) Centennial and Karen Scrivener 60th Birthday, 19-22 August 2018, Lausanne, Switzerland <http://lmc.epfl.ch/birthdays2018>
- 1st RILEM International Conference on Concrete and Digital Fabrication, Zurich, Switzerland, September 10-12, 2018
<http://digitalconcrete2018.ethz.ch>
- ACI co-sponsored 6th International Conference on Durability of Concrete Structures (ICDCS 2018), September 17-19, 2018, Belfast, Ireland, UK
- ACI co-sponsored 12th International Conference on Superplasticizers and other Chemical Admixtures in Concrete, and 14th International Conference on Advances in Concrete Technology, Beijing International Convention Center, October 28 – November 1, 2018, Beijing, China.
- NICOM6 in Hong Kong, December 2-5, 2018.
- ACI co-sponsored 3rd R N Raikar Memorial International Conference and “Gettu-Kodur” International Symposium on Advances in Science and Technology of Concrete, December 14 - 15, 2018, Mumbai, India.
- RILEM Spring Convention 2019 and International Conference on Sustainable Materials, Systems, and Structures (SMSS2019), March 18-22, 2019, Rovinj, Croatia. <http://grad.hr/rilem.smss/>
- ACI co-sponsored Second International Interactive Symposium on UHPC, June 2-5, 2019, Albany, NY
<https://register.extension.iastate.edu/uhpc2019>
- ACI co-sponsored 3rd International Conference on Bio-based Building Materials (ICBBM2019) – June 26 – 28, 2019, Belfast (Northern Ireland), UK

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- ACI co-sponsored 5th International Conference on Sustainable Construction Materials and Technologies, Kingston University, Kingston Hill campus, Kingston London UK, July 14 - 17, 2019 ACI co-sponsored 4th International Conference on Structures and Architecture (ICSA2019), July 24-26, 2019, Lisbon, Portugal.
- 15th International Congress on the Chemistry of Cement, Prague, September 16-20, 2019 www.iccc2019.org
- ACI co-sponsored 2nd Int'l Conference Rheology and Processing of Construction Materials (rheocon2) and 9th International RILEM Symposium Self Compacting Concrete (SCC9), Technische Universität Dresden, September 8 – 11, 2019, Dresden, Germany.

Websites listing additional relevant conferences:

<http://www.rilem.org/gene/main.php?base=600040>

<http://www.concrete.org/Events/EventsCalendar.aspx>