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**Meeting Agenda**  
**ACI Committee 236: Material Science of Concrete**  
**Monday, October 15, 2018 4:30-5:30pm**  
Rio Pavilion 10-11  
**Las Vegas, NV, USA**

1. Introductions
2. Purpose of meeting and review of agenda
3. Membership update
4. Review and approval of meeting minutes from Spring 2018
5. Report from TAC contact Kimberly Kurtis
6. Sub-committee and task group reports

<b>Sub-committee/Task Group</b>	<b>Chair</b>	<b>Meeting time</b>	<b>Location</b>
236-TG1    Advanced Analysis Techniques for Concrete	J. Hartell	Sun 3-4 pm	Amazon L

SC/TG Documents

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

7. Liaison with other Committees

<b>236 Member</b>	<b>Liaison to:</b>
Jan Olek	123, 211, 234
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
Farshad Rajabipour	240
Konstantin Sobolev	241
Narayanan Neithalath	522
Mahmoud Reda Taha	548
John Provis	RILEM
	Other?

8. Update on publications in *Concrete International*  
Papers published since the last convention

Papers suggested but not (yet) submitted

- Bio concrete and approach to self-heal cracks – P Mondal, R Ferron, and S Williams (abstract has been submitted and approved by the CI; awaiting manuscript.)
- Aggregate optimization for SCC - K Sobolev, S Chidiac
- 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

Email 236 Chair if you have an idea for a paper.

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9. Sessions at this convention:

**Materials Science Aspects Related to Digital Manufacturing (3-D Printing) of Cementitious Materials**

Mon, October 15, 2018, 8:30 - 10:30AM, Amazon Q-R

**Materials Science of Aggregates and Their Role in Concrete Performance**

Mon, October 15, 2018, 11AM - 1PM, Amazon S-T

**Analytical Techniques Bringing the Nanoscale to the Bigger World**

Tue, October 16, 2018, 11AM - 1 PM, Amazon Q-R

10. Future sessions:

SP and session deadlines:

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

Spring 2019 Quebec City

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

- Alkali Activated Binders (2 sessions) (Mondal)
- Early age response of concretes and the influence of binder composition (2 sessions) (Neithalath)
- New experience with testing and application of concrete pozzolans (2 sessions) (Rajabipour and Kurtis)
- Challenges and Opportunities for scaling additively manufactured concrete from lab to the field (Neithalath)
- Nanoparticle Dispersion and Applications in Concrete (Kawashima)

Suggestions with unspecified future dates

**F 2019 Cincinnati – Spring 2020 Chicago/Rosemont**

- Testing, service-life prediction, and mitigation of alkali-aggregate reactions in concrete (J Ideker).
- Alternative cements (P Stynoski).
- Is industry ready for alkali activation? (C Wang, P Mondal).
- Simulation of flow of concrete (K Khayat).

11. New business and announcements

12. Next meeting – Monday afternoon at ACI Spring 2019 in Quebec City, QC

13. Adjourn

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**SP and Technical Session Deadlines**

	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>	<b>Please contact staff if the deadlines cannot be met</b>
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
<b>Final Session Request</b>	<b>October 20, 2017</b>	<b>March 30, 2018</b>	<b>October 19, 2018</b>	<b>March 29, 2019</b>	<b>October 25, 2019</b>	<b>April 3, 2020</b>	<b>Friday after the preceding Convention (late submissions cannot be accepted)</b>
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
<b>SP Final Material if it is to be available at Session</b>	<b>December 23, 2017</b>	<b>July 14, 2018</b>	<b>December 22, 2018</b>	<b>July 20, 2019</b>	<b>December 28, 2019</b>	<b>July 25, 2020</b>	<b>3 Months before the Session</b>
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:

- 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.
- LC3-Information Day, North and Latin America, February 11, 2019, University of Miami <https://www.lc3.ch/lc3-info-day-in-miami/>
- 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 <https://www.qub.ac.uk/sites/ICBBM2019/>
- ACI co-sponsored 5th International Conference on Sustainable Construction Materials and Technologies, Kingston University, Kingston Hill campus, Kingston London UK, July 14 - 17, 2019 <https://www.kingston.ac.uk/events/item/2839/14-jul-2019-fifth-international-conference-on-sustainable-construction-materials-and-technologies-scm5-3rd-call-for-abstracts/>
- ACI co-sponsored 4th International Conference on Structures and Architecture (ICSA2019), July 24-26, 2019, Lisbon, Portugal.
- 15<sup>th</sup> International Congress on the Chemistry of Cement, Prague, September 16-20, 2019 [www.iccc2019.org](http://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.
- 3rd International Conference on Calcined Clays for Sustainable Concrete, 15-17 October 2019, New Delhi, India <http://lc3.cimglobal.net/>
- International Conference on Calcium Aluminates, Cambridge, June 1-3, 2020, <https://cacements.com/>
- 2nd International Conference on Nanotechnology of Cement and Concrete, Irvine, CA, May 20-22, 2020, [www.2NCC20.org](http://www.2NCC20.org)

Websites listing additional relevant conferences:

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

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