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Meeting Agenda
ACI Committee 236: Material Science of Concrete
Monday, March 25, 2019 4:30-5:30pm
H-Palais
Quebec City, QC, Canada

1. Introductions
2. Purpose of meeting and review of agenda
3. Membership update
4. Review and approval of meeting minutes from Fall 2018
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	Amazon L

SC/TG Documents

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

7. Liaison with other Committees

236 Member	Liaison to:
Sulapha Peethamparan	123
Jan Olek	211, 234, 552
Tyler Ley	130A
Jason Ideker	201
Christopher Ferraro	207, 224
Matthew D'Ambrosia/Mahmoud Reda Taha	209
Prasad Rangaraju	221, 233
Andrew Boyd	228
Maria Juenger/Zach Grasley	231
Farshad Rajabipour	232, 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
 - Innovative Approach for Formulating ASR-Resistant Mixtures – AK Mukhopadhyay, K-W Liu, Concrete International, 40(12) (Dec. 2018) 39-45.

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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.)
- 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 (morphed into an ACI webinar offered on Nov. 13, 2018, but we will also keep it on the list of CI prospective papers).
- Recent advanced in X-Ray CT (J Clark, T Deboodt, J Ideker, B Isgor, D Lange)

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

9. Sessions at this convention:

Challenges and Opportunities for Scaling Additively Manufactured Concrete from Lab to the Field (N. Neithalath and S. Jones)

Sun. March 24, 8-10am, C-303A

MINI SESSION: Nondestructive Testing and Characterization of AAR (J. Popovics)

Sun. March 24, 9:30-10:30am, C-200A

Early-Age Response of Concretes and the Influence of Binder Composition (N. Neithalath and G. Sant)

Sun. March 24, 10:30am-12:30pm, C-303A

New Experience with Testing and Application of Concrete Pozzolans, Parts 1 and 2 (F. Rajabipour and K. Kurtis)

Sun. March 24, 1-3pm and 3:30-5:30pm, C-301A

Alkali-Activated Binders, Parts 1 and 2 (S. Peethamparan and P. Mondal)

Mon. March 25, 11am-1pm and 1:30-3:30pm, C-301B

Nanoparticle Dispersion and Applications in Concrete (S. Kawashima and J. Betts)

Tue. March 26, 11am-1pm, C-301A

Phase Change Materials in Concrete (H. Ma and G. Sant)

Tue. March 26, 1:30-3:30pm, C-301A

10. Future sessions:

SP and session deadlines:

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

Fall 2019 Cincinnati

(Submit prelim. session request by October 19, 2018; Submit final session request by March 29, 2019)

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- Recent Developments in Bio-inspired Cementitious Materials (W. Srubar and A. Ghahremaninezhad)

Suggestions with unspecified future dates

Spring 2020 Chicago/Rosemont – Fall 2020 Raleigh

- Alternative cements (P. Stynoski). Co-sponsor with 242. Chicago 2020.
- Is industry ready for alkali activation? (K. Wang, P. Mondal). Chicago 2020 or later.
- Simulation of flow of concrete (K. Khayat).
- Natural pozzolans for Chicago or Raleigh (F. Ataie)

11. New business and announcements

12. Next meeting – Monday afternoon at ACI Fall 2019 in Cincinnati, OH

13. Adjourn

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SP and Technical Session Deadlines

	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	Baltimore, MD Spring 2021 March 28-April 1, 2021	Atlanta, GA Fall 2021 October 17-21, 2021	Orlando, FL Spring 2022 March 27-31, 2022	Dallas, TX Fall 2022 October 23-27, 2022	Deadline Requirements
Convention Theme	Nordique Concrete	A River of Knowledge	Concrete in the Windy City	TBD	TBD	TBD	TBD	TBD	Please contact staff if the deadlines cannot be met
Preliminary Session Request	March 30, 2018	October 19, 2018	March 29, 2019	October 25, 2019	April 3, 2020	October 30, 2020	April 2, 2021	October 22, 2021	Friday after the Convention one year before the Session
Call for Papers in Concrete International requested	November 22, 2017	June 20, 2018	November 28, 2018	June 26, 2019	November 27, 2019	June 17, 2020	November 25, 2020	June 23, 2021	16 Months before the Session
All Abstracts received by Moderator	July 23, 2018	February 18, 2019	July 29, 2019	February 24, 2020	July 27, 2020	February 15, 2021	July 26, 2021	February 21, 2022	8 Months before the Session
(Co)Moderator Training completed	October 14, 2018	March 24, 2019	October 20, 2019	March 29, 2020	October 25, 2020	March 28, 2021	October 17, 2021	March 27, 2022	At least one Convention before the Session
Final Session Request	October 19, 2018	March 29, 2019	October 25, 2019	April 3, 2020	October 30, 2020	April 2, 2021	October 22, 2021	April 1, 2022	Friday after the preceding Convention (late submissions cannot be accepted)
SP Preliminary Request if it is to be available at Session	September 22, 2017	April 20, 2018	September 28, 2018	April 26, 2019	September 27, 2019	April 17, 2020	September 25, 2020	April 23, 2021	18 Months before the Session
SP Final Material if it is to be available at Session	December 22, 2018	July 20, 2019	December 28, 2019	July 25, 2020	December 26, 2020	July 17, 2021	December 25, 2021	July 23, 2022	3 Months before the Session
SP Final Material if produced after Session	March 23, 2021	October 19, 2021	March 29, 2022	October 25, 2022	March 28, 2023	October 17, 2023	March 26, 2024	October 22, 2024	2 Years after the Session at the latest

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Other upcoming conferences of interest:

- Inaugural Natural Pozzolan Symposium, Rancho de los Caballeros resort in Wickenburg, Arizona, AZ, May 16-17, 2019. <http://pozzolan.org/events.html>
- ACI co-sponsored Second International Interactive Symposium on UHPC, June 2-5, 2019, Albany, NY <https://register.extension.iastate.edu/uhpc2019>
- 10th Advances in Cements Based Materials (American Ceramic Society Cements Division Meeting), Champaign, Illinois, June 16-18, 2019. <https://ceramics.org/event/10th-advances-in-cement-based-materials>
- First International Conference on Sustainable Production and Use of Cement and Concrete, 23-30, June 2019, Cayo Santa Maria, Villa Clara. Cuba
- 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.
- 73rd RILEM WEEK and International Conference on Innovative Materials for Sustainable Civil Engineering (IMSCE2019), 26-30 August 2019, Nanjing, China, www.rilemweek2019.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.
- 15th International Congress on the Chemistry of Cement, Prague, September 16-20, 2019 www.iccc2019.org
- 3rd International Conference on Calcined Clays for Sustainable Concrete, 15-17 October 2019, New Delhi, India <http://lc3.cimglobal.net/>
- 5th International Symposium on Ultra-High-Performance Concrete and High-Performance Construction Materials (HiPerMat 2020), March 10 – 12, 2020, Kassel, Germany
- 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 23-25, 2020
- 16th International Conference on Alkali Aggregate Reaction in Concrete, Lisboa, Portugal, June 16-18, 2020, <http://icaar2020.lnec.pt/>

Websites listing additional relevant conferences:

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

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