

ACI COMMITTEE 239: ULTRA-HIGH PERFORMANCE CONCRETE

2020 ACI Spring Convention, Web Meeting

Monday, March 30, 2020 3:30 pm – 6:00 pm (Central Time)

Link: global.gotomeeting.com/join/828989445

Conference Call: (224) 501-3412, Access Code 828-989-445

MEETING AGENDA

1. Welcome and Attendee Introductions
2. Approval of Agenda
3. Approval of Fall 2019 meeting minutes from Cincinnati
4. TAC Report – Michael Brown
5. Spark Session – 5 presentations in 25 minutes
 - a. *Local Non-Proprietary UHPC Mix Designs* – Kay Wille
 - b. *Carbon Nanotubes in UHPC* – Vic Perry
 - c. *Multiscale Fiber Reinforcement in UHPC* – Ravi Ranade
 - d. *Alternative Methods to Characterize Material Properties and Optimize Mix Designs* – Cesario Tavares
 - e. *UHPC Link Slabs* – Andy Foden
6. Membership update – Kennan Crane
7. Upcoming symposia and conferences
 - a. *3rd ACF International Conference on UHPC Materials and Structures*, Nanjing, China, Oct 29 – Nov 1, 2020
 - b. *BEI International Symposium on UHPC and Emerging Concrete (BEI-UHPC)*, Singapore, Dec 9-11, 2020
8. CRC Research – Carin Roberts-Wollmann
 - a. 2019 CRC Research Proposals – Status Update
 - b. 2020 CRC Research Proposal Process
 - c. CRC Funded Project – Structural Response & Buckling Behavior of Slender UHPC Columns – Moustafa
9. Committee Priorities / Reports
 - a. 239-C ETR on the Structural Design of UHPC – Vic Perry
 - b. 239-D Materials & Methods of Construction with UHPC – Dominique Corvez
 - c. 239-E Educational Outreach – Tess Ahlborn
 - d. 239 UHPC Strategic Direction – Jimm Milligan
10. Test Methods for UHPC - Vic Perry
11. Presentation Sessions: Current and Future – Kay Wille
 - a. Spring 2020 Rosemont – *Unlocking UHPC Workability*
 - b. Fall 2020 Raleigh – *UHPC: Making Connections*
 - c. Spring 2021 Baltimore
12. Key External UHPC-related Efforts
 - a. CSA Bridge Design Standard – Katrin Habel and Vic Perry
 - b. FHWA Development of Guide Specification for AASHTO – Ben Graybeal
 - c. Other...
13. Collaborations
 - a. International updates
 - b. ACI Committee Liaison Reports
14. New business – (please inform chair prior to start of the meeting if you wish to add new business)
15. Adjourn – next meeting October 26, 2020 @ 3:30 pm in Raleigh, North Carolina

PARKING LOT: Student Competition (Milligan), Compilation of Research (El Helou), 239-A ETR (Crane)

**Events Associated with ACI COMMITTEE 239
ULTRA-HIGH PERFORMANCE CONCRETE
at the 2020 ACI Spring Convention in Cyberspace**

Committee Meetings:

239	Ultra-High Performance Concrete	Monday	3:30p - 6:00p	Web Meeting
239-C	Structural Design on UHPC	Monday	10:30a - 12:30p	Web Meeting
239-D	Materials & Methods of Construction with UHPC	Monday	1:00p - 3:00p	Web Meeting
239-E	Educational Outreach	Sunday	1:00p - 3:00p	CANCELED

Sessions:

Unlocking Workability Issues of UHPC, Part 1 of 2

MON, 8:30a to 10:30p

Grand H

- *Rheological Properties of Ultra-high-performance Concrete – Weina Meng*
- *Correlation Between “Very Early” Age Fracture Performance and Evolution of Rheological Properties of High Performance Fiber Reinforced Cementitious Composites with Adapted Rheology – Liberato Ferrara*
- *Mixture Proportion, Workability, and Performance Evaluation of UHPC – Marllon Cook*
- *Rheological Properties of Ultra-High-Performance Concrete and its Viscosity Control for Application – [Name]*
- *Rheological Evaluation for Slope Casting of Ultra-High-Performance Concrete – [Name]*
- *Using Resonant Acoustic Method to Improve UHPC Workability – Kay V [Name]*

Unlocking Workability Issues of UHPC, Part 2 of 2

MON, 1:00 to 1:30p

Grand H

- *Particle-Size and Rheological Response of Ultra-High-Performance Concrete – Na [Name]*
- *Achieving Higher Flowability for Ultra-High-Performance Concrete – [Name]*
- *Evaluation of Static and Dynamic Flow of UHPC Prepared with Different Mix Proportions and Mixers – Jiong Hu*
- *Flowability of UHPC mixtures Made with and Without Vacuuming Mixing – Kejin Wang*
- *Effect of Ground Glass Particles on Rheological Behavior of Ultra-High-Performance Concrete (UHPC) – Aghiles Begriche*