

Agenda of ACI 363 – High-Strength Concrete
Sunday, March 25, 2018
GA-Venezia
2:30 PM to 5:00 PM
ACI 2018 Spring Convention – Salt Lake City, UT
Presiding: Micah Hale

1.0 Welcome and Introductions

2.0 Mini-Session – Ensuring a Successful High Strength Concrete Project

2.1 *A Historical Perspective of High-Strength Concrete (HSC) Throughout the Decades*,
Eli Hernandez & John Myers, Missouri Science and Technology

2.2 *An Update on High-Strength Concrete Aspects for the One-Kilometer-Tall Jeddah Tower*, Robert C. Sinn, Thornton Tomasetti Inc.

2.3 *High-Strength Concrete in Practice: In-Situ Strength versus Cylinder Strength*,
Matthew Sherman & R. Brett Holland, Simpson Gumpertz & Heger, Inc.

2.4 *ASTM Static Modulus of Elasticity Round Robin Results Summary: Chicago High-Rise Update*, Walter H. Flood, IV, Flood Testing Lab

3.0 Review and approval of the minutes from Anaheim, CA

4.0 Review and approval of agenda

5.0 Committee membership

5.1 28 Voting members, 4 consulting members, and 24 associate members

5.1.1 Bob Sinn, Thornton Tomasetti

5.1.2 John Peronto, Thornton Tomasetti

5.1.3 Jason Wimberly, GSP Applied Technologies

6.0 Chair TAC Report

6.1 Michael Brown

7.0 ACI 363 Report on Lightweight HSC Document Status - Subcommittee Chair Mauricio Lopez

7.1 Balloted Chapters 2, 5, and 7

7.1.1 Chapter 2, Selection of Materials

7.1.2 Chapter 5, Properties of High Strength, Lightweight Concrete

7.1.3 Chapter 7, Applications

8.0 ACI 211.4R-08: *Guide for Selecting Proportions for High-Strength Concrete Using Portland Cement and Other Cementitious Materials*

8.1 Recommended the existing document to be kept for 2 more years

8.2 Committee revisions needed by 2018

8.3 Volunteers to review chapters

9.0 Upcoming Convention Sessions

9.1 Concrete Modulus of Elasticity – How High is High?

9.1.1 GA – Riviera, Monday, 26 at 1:30 to 3:30 PM

1:35 pm: A Tall Building Engineer’s Perspective on Specifying Modulus of Elasticity
Robert C. Sinn, Thornton Tomasetti Inc.

1:58 pm: An Overview of Factors Influencing on Concrete Modulus of Elasticity Van
K. Bui, BASF Construction Chemicals

2:21 pm: Producing High-Modulus-of-Elasticity Concrete— Meeting Specification
and Contractor Expectations Nicholas J. Beristain, Votorantim Cimentos

2:44 pm: Testing the Limits of Concrete Modulus of Elasticity in Chicago Walter H.
Flood IV, Flood Testing Labs Inc.

3:07 pm: Uncoupling Modulus of Elasticity and Strength— Effect of Small Addition
of Carbon Nanotubes on Concrete Properties Surendra P. Shah, Northwestern
University

10.0 Future Sessions

10.1 Proposed mini-session for Fall 2018

10.1.1 Need two or three speakers

10.1.1.1 Jason Wimberly

11.0 Other Business

11.1 Conferences and Symposiums

11.2 HSC projects

12.0 New Business

13.0 Committee Liaisons

13.1 HSC updates from other ACI Committees

14.0 Next Meeting – Sunday, October 14, 2018 at 2:30 (Las Vegas, NV)

15.0 Adjournment