

# The Concrete Convention and Exposition ACI Spring 2017 | Detroit March 26-30, 2017

## Session & Events Schedule

✓= Separate fee required

### Sunday, March 26, 2017

- 8:00 am – 9:00 am** Convention Orientation  
Guest Overview
- 9:00 am – 4:00 pm** Student FRP Composites Competition
- 10:00 am – 11:30 am** ACI International Forum
- 10:00 am – 12:00 pm** *Session*
- Undergraduate Research on Concrete Materials, Structural Design, or Construction
- 11:30 am – 1:30 pm** ✓International Lunch – Speaker: Dr. Oussama Baalbaki
- 1:00 pm – 3:00 pm** *Sessions*
- Historical Aspects of Concrete
  - Troubleshooting Concrete Pavements
  - Innovations in SCC Rheology, Part 1 of 2
- 3:30 pm – 5:30 pm** *Sessions*
- Electrical Methods for Evaluating Mass Transport Properties of Concrete
  - Innovations in SCC Rheology, Part 2 of 2
  - Load Testing of Existing Structures, Test Methods, Research and Applications
- 5:45 pm – 7:00 pm** Opening Session & Keynote Presentation
- Approx. 7:00 pm** Opening Reception & Awards Recognition
- 8:00 pm – 10:00 pm** Hot Topic Session
- 9:00 pm – 10:30 pm** Student & Young Professional Networking Event

### Monday, March 27, 2017

- 6:30 am – 8:15 am** Workshop for Technical Committee Chairs (*by invitation only*)
- 7:00 am – 8:30 am** Speaker Development Breakfast
- 8:30 am – 10:30 am** **Sessions**
- Research in Progress, Part 1 of 2
  - Durability of Concrete Members Incorporated with Conventional and Advanced Materials, Part 1 of 3
  - Dispersion of Nanoparticles in Cement-Based Materials: Can We Stay Apart?
- 10:30 am – 12:00 pm** Research in Progress Poster Session
- 11:00 am – 1:00 pm** **Sessions**
- Research in Progress, Part 2 of 2
  - Durability of Concrete Members Incorporated with Conventional and Advanced Materials, Part 2 of 3
  - Bond in Concrete, Part 1 of 3
- 11:30 am – 1:30 pm** ✓Student Lunch – Speaker: Lance J. Richards
- 1:30 pm – 3:30 pm** **Sessions**
- Durability of Concrete Members Incorporated with Conventional and Advanced Materials, Part 3 of 3
  - Bond in Concrete, Part 2 of 3
  - Classroom Demonstrations Demonstrated
- 4:00 pm – 6:00 pm** **Sessions**
- Bond in Concrete, Part 3 of 3
  - Beyond Chain Dragging – Nondestructive Evaluation of Bridge and Parking Decks and NDE Data Fusion
  - How to Design and Construct Concrete Masonry to Comply with the New Energy Codes
- 5:30 pm – 7:00 pm** ✓An Evening with Mete: Celebrating the Educator, Mentor, and Researcher
- 6:00 pm – 7:00 pm** Women in ACI Reception
- 6:30 pm – 8:30 pm** 123 Forum

**Tuesday, March 28, 2017**

- 8:00 am – 10:00 am** **Sessions**
- Beneficiation of Fly Ash for Use in Concrete Mixtures
  - Case Studies of Performance Based on Specifications, Part 1 of 2
  - Self-Consolidating Concrete Using Recycled Materials

**10:30 am – 12:30 pm Sessions**

- New Innovations in Admixtures
- Rehabilitation TechNotes, Part 2
- Case Studies of Performance Based on Specifications, Part 2 of 2

**11:30 am – 1:30 pm** ✓Contractors' Day Lunch – Speaker: Sandy K. Baruah

**1:00 pm – 3:00 pm Sessions**

- Open Topic Session, Part 1 of 2
- Connecting Materials Science and Durability Prediction

**1:30 pm – 3:00 pm** Contractors' Day Session: Performance Mix Designs

**3:30 pm – 5:15 pm** Contractors' Day Session: Project Overviews

**3:30 pm – 5:30 pm Sessions**

- Open Topic Session, Part 2 of 2
- The Role of Time and Temperature in Hot Weather Concreting

**5:00 pm – 6:00 pm** Faculty Network Reception

**6:30 pm – 8:00 pm** Concrete Mixer

**Wednesday, March 29, 2017**

**8:30 am – 10:30 am Sessions**

- Fire Resistance and Resiliency – Threats to Use of Concrete and Masonry Construction
- Steel Reinforced Grout (SRG) – A New Tool in the Repair Toolbox

**11:00 am – 1:00 pm Sessions**

- Textile Reinforced Mortar (FRCM) for Repair of Concrete and Masonry Structures
- Shotcrete: New 506 Guide and Recent Developments
- UHPC-Innovations for Broad Application

**6:30 pm – 8:00 pm** President's Reception