## DRAFT Schedule At-A-Glance

### Monday, July 23, 2018
- **8:00 AM** Welcome, Intros, and Overview
- **8:30 AM** Break
- **9:00 AM** Introduction to Concrete
- **9:30 AM** Chemical Admixtures
- **10:00 AM** Market Intelligence
- **10:45 AM** ACI Resources for the Classroom
- **11:10 AM** ACI 318-14
- **11:40 AM** 3D Printing
- **12:10 PM** LUNCH (at CTLGroup)
- **1:00 PM** Mix Design
- **2:00 PM** Effective Teaching of RC Design
- **3:00 PM** Mix Design Models for Teaching Structural Concrete
- **3:20 PM** NETWORKING BREAK (Library)
- **4:10 PM** Cement and Hydration
- **4:40 PM** Strut-and-Tie Method Design by ACI 318-14
- **5:10 PM** SCM's
- **6:00 PM** RECEPTION (at the Hampton Inn)
- **7:00 PM** NETWORKING BREAK (StructurePoint)

### Tuesday, July 24, 2018
- **8:00 AM** Welcome, Intros, and Overview
- **8:30 AM** Break
- **9:00 AM** Introduction to Concrete
- **9:30 AM** Chemical Admixtures
- **10:00 AM** Market Intelligence
- **10:45 AM** ACI Resources for the Classroom
- **11:10 AM** ACI 318-14
- **11:40 AM** 3D Printing
- **12:10 PM** LUNCH (at CTLGroup)
- **1:00 PM** Mix Design
- **2:00 PM** Effective Teaching of RC Design
- **3:00 PM** Mix Design Models for Teaching Structural Concrete
- **3:20 PM** NETWORKING BREAK (Library)
- **4:10 PM** Cement and Hydration
- **4:40 PM** Strut-and-Tie Method Design by ACI 318-14
- **5:10 PM** SCM's
- **6:00 PM** RECEPTION (at CTLGroup)
- **7:00 PM** NETWORKING BREAK (StructurePoint)

### Wednesday, July 25, 2018
- **8:00 AM** Welcome, Intros, and Overview
- **8:30 AM** Break
- **9:00 AM** Introduction to Concrete
- **9:30 AM** Chemical Admixtures
- **10:00 AM** Project Management
- **10:45 AM** CRM's
- **11:10 AM** CRM's
- **11:40 AM** CRM's
- **12:10 PM** LUNCH (at CTLGroup)
- **1:00 PM** Mix Design
- **2:00 PM** Effective Teaching of RC Design
- **3:00 PM** Mix Design Models for Teaching Structural Concrete
- **3:20 PM** NETWORKING BREAK (Library)
- **4:10 PM** Cement and Hydration
- **4:40 PM** Strut-and-Tie Method Design by ACI 318-14
- **5:10 PM** SCM's
- **6:00 PM** RECEPTION (at CTLGroup)
- **7:00 PM** DINNER & RECEPTION (Maglanno's)

### Thursday, July 26, 2018
- **8:00 AM** Welcome, Intros, and Overview
- **8:30 AM** Break
- **9:00 AM** Introduction to Concrete
- **9:30 AM** Chemical Admixtures
- **10:00 AM** Project Management
- **10:45 AM** CRM's
- **11:10 AM** CRM's
- **11:40 AM** CRM's
- **12:10 PM** LUNCH (at CTLGroup)
- **1:00 PM** Mix Design
- **2:00 PM** Effective Teaching of RC Design
- **3:00 PM** Mix Design Models for Teaching Structural Concrete
- **3:20 PM** NETWORKING BREAK (Library)
- **4:10 PM** Cement and Hydration
- **4:40 PM** Strut-and-Tie Method Design by ACI 318-14
- **5:10 PM** SCM's
- **6:00 PM** RECEPTION (at CTLGroup)
- **7:00 PM** DINNER & RECEPTION (Maglanno's)

### Friday, July 27
- **8:00 AM** Welcome, Intros, and Overview
- **8:30 AM** Break
- **9:00 AM** Introduction to Concrete
- **9:30 AM** Chemical Admixtures
- **10:00 AM** Market Intelligence
- **10:45 AM** ACI Resources for the Classroom
- **11:10 AM** ACI 318-14
- **11:40 AM** 3D Printing
- **12:10 PM** LUNCH (at CTLGroup)
- **1:00 PM** Mix Design
- **2:00 PM** Effective Teaching of RC Design
- **3:00 PM** Mix Design Projects for Teaching Structural Concrete
- **3:20 PM** NETWORKING BREAK (Library)
- **4:10 PM** Cement and Hydration
- **4:40 PM** Strut-and-Tie Method Design by ACI 318-14
- **5:10 PM** SCM's
- **6:00 PM** RECEPTION (at CTLGroup)
- **7:00 PM** DINNER & RECEPTION (Maglanno's)
PAVEMENTS TRACK
PCA, Skokie, IL
July 23-27 2018

Wednesday, July 25, 2018

8:00 – 9:00 Dual Tracks: Materials and Structures
9:00 – 10:00 Plenary Sessions at CTLGroup
10:00 – 10:20 Coffee Break (CTLGroup)
10:20 – 12:00 Plenary Sessions at CTLGroup
12:00 – 1:00 Lunch (CTL)
1:00 – 2:00 Integrated Pavement Solutions  Wayne Adaska
2:00 – 3:00 Concrete Pavement Overview  Eric Ferrebee
3:00 – 3:20 Networking Break (PCA Library)
3:20 – 4:10 Concrete Pavement Overview (cont.)  Eric Ferrebee
4:10 – 5:00 Joint Layout & Design  Mike Ayers
6:00 – 7:30 Group Dinner (Maggiano’s)

Thursday, July 26, 2018

8:00 – 10:00 Pavement Design Software Tools  Eric Ferrebee
10:00 – 10:20 Coffee Break (CTLGroup)
10:20 – 11:15 Plenary Session at CTLGroup
11:15 – 12:00 Tour of CTLGroup Laboratory Facilities
12:00 – 1:00 Lunch (CTLGroup)
1:00 – 2:00 Mixtures for Pavements  Gordon Smith
2:00 – 3:00 Construction Methods  Mike Ayers
3:00 – 3:20 Networking Break (PCA Library)
3:20 – 4:10 Maintenance & Preservation  Mike Ayers
4:10 – 5:00 Sustainable Pavements  Matt D’Ambrosia

Friday, July 27, 2018

8:00 – 9:00 Concrete Overlays  Gordon Smith
9:00 – 10:00 Concrete Pavers  Robert Bowers
10:00 – 10:20 Coffee Break (PCA Library)
10:20 – 11:10 Roller Compacted Concrete  Wayne Adaska
11:10 – 12:00 Paving Tools  Mike Ayers/Gordon Smith
Monday, July 23, 2018

8:00 – 12:00  Plenary Sessions at CTLGroup
12:00 – 1:00  Lunch (CTLGroup)
1:00 – 2:00  **Effective Teaching of Reinforced Concrete Design**  Richard Miller
2:00 – 3:00  **Models for Teaching Structural Concrete**  Lawrence Novak
3:00 – 3:20  Networking Break (PCA Library)
3:20 – 4:10  **Strut-and-Tie Method Design by ACI 318-14**  Lawrence Novak
4:10 – 5:00  **Controlling Cracking**  Robert Frosch
6:00 – 7:30  Reception at Hampton Inn

Tuesday, July 24, 2018

8:00 – 9:30  **Modern Concretes**  Jack Gibbons
9:30 – 10:00  **Structural Design by ACI 318-14**  Lawrence Novak
10:00 – 10:20  Coffee Break (CTLGroup)
10:20 – 12:00  Plenary Sessions at CTLGroup
12:00 – 1:00  Lunch (CTLGroup)
1:00 – 2:00  **Steel Reinforced Concrete Essentials: Part 1**  David Fanella
2:00 – 3:00  **Steel Reinforced Concrete Essentials: Part 2**  David Fanella
3:00 – 3:20  Networking Break (StructurePoint)
3:20 – 5:00  **Software Modeling, Analysis, and Design (StructurePoint)**  StructurePoint
5:00 – 6:30  Reception at PCA (Courtyard)
Wednesday, July 25, 2018

8:00 – 9:00  **Economical Design of Structures**  
Lawrence Novak

9:00 – 10:00 Plenary Sessions at CTLGroup

10:00 – 10:20  Coffee Break (CTLGroup)

10:20 – 12:00 Plenary Sessions at CTLGroup

12:00 – 1:00 Lunch (CTLGroup)

1:00 – 3:00  **Demonstration of Web-based Prestressed Bridge Design: Part 1**  
Michelle Roddenberry

3:00 – 3:20 Networking Break (PCA Library)

3:20 – 5:00  **Demonstration of Web-based Prestressed Bridge Design: Part 2**  
Michelle Roddenberry

6:00 -8:00 Dinner & Reception at Magianno’s

Thursday, July 26, 2018

8:00 – 10:00 Dual Tracks: Materials and Paving

10:00 – 10:20  Coffee Break (CTLGroup)

10:20 – 11:00 Plenary Sessions at CTLGroup

11:20 – 12:00  **Tour of CTLGroup Laboratory Facilities**

12:00 – 1:00 Lunch (at CTLGroup)

1:00 – 2:00  **Masonry Design**  
Ece Erdogmus

2:00 – 3:00  **Teaching Prestressed Concrete Design**  
Richard Miller

3:00 – 3:20 Networking Break (Library)

3:20 – 4:10  **PCI Design / Precast Plants**  
Richard Miller

4:10 – 5:00  **PCI Big Beam**  
Richard Miller
CONCRETE MATERIALS TRACK
PCA, Skokie, IL
July 23-27 2018

Monday, July 23, 2018
8:00 – 12:00  Plenary Sessions at CTLGroup
12:00 –1:00  Lunch (CTLGroup)
1:00 – 3:00  Mix Design  Ken Hover
3:00 – 3:20  Networking Break (PCA Library)
3:20 – 4:10  Cement and Hydration  Anton Schindler
4:10 – 5:00  Supplementary Cementing Materials  Anton Schindler
6:00 – 7:30  Reception at Hampton Inn

Tuesday, July 24, 2018
8:00 – 9:00  Aggregates  Jason Ideker
9:00 – 10:00  Chemical Admixtures  Anton Schindler
10:00 – 10:20  Coffee Break (CTLGroup)
10:20 – 12:00  Plenary Sessions at CTLGroup
12:00 –1:00  Lunch (CTLGroup)
1:00 –2:00  Fresh Concrete Properties  Ken Hover
2:00 – 3:00  Placing and Finishing Concrete  Ken Hover
3:00 – 3:20  Networking Break (Structure Point)
3:20 – 4:10  Curing  Jason Ideker
4:10 – 5:00  Hardened Concrete Properties  Jason Ideker
5:00 – 6:30  Reception at PCA (Courtyard)
CONCRETE MATERIALS TRACK
PCA, Skokie, IL
July 23-27 2018

Wednesday, July 25, 2018
8:00 – 9:00 Shotcrete
9:00 – 10:00 Plenary Sessions at CTLGroup
10:00 – 10:20 Coffee Break (CTLGroup)
10:20 – 12:00 Plenary Sessions at CTLGroup
12:00 – 1:00 Lunch (CTLGroup)
1:00 – 5:00 Dual Tracks: Pavements and Structures
6:00 – 8:00 Dinner and Reception at Magianno’s

Charles Hanskat

Thursday, July 26, 2018
8:00 – 9:00 ACI 318-14 Chapters 19 and 26
9:00 – 10:00 Performance-Based Specifications
10:00 – 10:20 Coffee Break (CTLGroup)
10:20 – 11:15 Plenary Session at CTLGroup
11:15 – 12:00 Tour of CTLGroup Laboratory Facilities
12:00 – 1:00 Lunch (CTLGroup)
1:00 – 5:00 Dual Tracks: Pavements and Structures

Colin Lobo

Friday, July 27, 2018
8:00 – 12:00 Pavements Track
PLENARY PROGRAM
PCA, Skokie, IL
July 23-27, 2018

Monday, July 23, 2018
8:00 – 9:00 Welcome, Intros, and Overview
9:00 – 10:00 Introduction to Concrete
10:00 – 10:20 Coffee Break (CTLGroup)
10:20 – 10:45 Market Intelligence
10:45 – 11:20 ACI Resources for the Classroom
11:20 – 12:00 3D Printing
12:00 – 1:00 Lunch (CTLGroup)
1:00 – 5:00 Dual Tracks: Materials and Structures
6:00 – 7:30 Reception at Hampton Inn

Tuesday, July 24, 2018
8:00 – 10:00 Dual Tracks: Materials and Structures
10:00 – 10:20 Coffee Break (CTLGroup)
10:20 – 11:10 Durability
11:10 – 12:00 CRSI Reinforced Concrete Building Capstone Course
12:00 – 1:00 Lunch (CTLGroup)
1:00 – 5:00 Dual Tracks: Materials and Structures
5:00 – 6:30 Reception at PCA (Courtyard)
Wednesday, July 25, 2018
8:00 – 9:00 Dual Tracks: Materials and Structures
9:00 – 10:00 Codes and Standards
10:00 – 10:20 Coffee Break (CTLGroup)
10:20 – 11:15 Bridges: Teaching Resources
11:15 – 12:00 Philosophy of Engineering for the Burj Khalifa
12:00 – 1:00 Lunch (CTLGroup)
1:00 – 5:00 Dual Tracks: Paving and Structures
6:00 – 7:30 Dinner and Reception at Magiano’s

Thursday, July 26, 2018
8:00 – 10:00 Dual Tracks: Materials and Pavements
10:00 – 10:20 Coffee Break (CTL)
11:15-12:00 Tour of CTLGroup Labs
12:00 – 1:00 Lunch (CTLGroup)
1:00 – 5:00 Dual Tracks: Pavements and Structures

Friday, July 27, 2018
8:00 – 12:00 Pavements Track