

COLOR KEY / TRACK	VENUE
PLENARY	at CTLGroup
MATERIALS	in PCA East Classroom M-W, West Classroom TH
STRUCTURES (Buildings & Bridges)	in PCA West Classroom
PAVEMENTS	in PCA East Classroom
LUNCH, BREAK, or RECEPTION	(Venue as noted)

### Monday, July 23, 2018

### Tuesday, July 24, 2018

### Wednesday, July 25, 2018

### Thursday, July 26, 2018

### Friday, July 27

8:00 AM		
8:30 AM	<b>Welcome, Intros, and Overview</b>	
9:00 AM		
10:00 AM	<b>Introduction to Concrete</b>	
10:20 AM	<b>BREAK</b>	
10:45 AM	<b>Market Intelligence</b>	
11:10 AM	<b>ACI Resources for the Classroom</b>	
11:20 AM		
12:00 PM	<b>3D Printing</b>	
1:00 PM	<b>LUNCH (at CTLGroup)</b>	
2:00 PM	<b>Mix Design</b>	<b>Effective Teaching of RC Design</b>
3:00 PM		<b>Models for Teaching Structural Concrete</b>
3:20 PM	<b>NETWORKING BREAK (Library)</b>	
4:10 PM	<b>Cement and Hydration</b>	<b>Strut-and-Tie Method Design by ACI 318-14</b>
5:00 PM	<b>SCMs</b>	<b>Controlling Cracking</b>
6:00 PM		
6:30 PM	<b>RECEPTION (at the Hampton Inn)</b>	
7:00 PM		
7:30 PM		

Aggregates	Modern Concretes
Chemical Admixtures	Structural Design by ACI 318-14
<b>BREAK</b>	
<b>Durability</b>	
<b>CRSI Reinforced Concrete Building Capstone Course: An Overview</b>	
<b>LUNCH (at CTLGroup)</b>	
Fresh Concrete Properties	Steel Reinforced Concrete Essentials: Part 1
Placing and Finishing Concrete	Steel Reinforced Concrete Essentials: Part 2
<b>NETWORKING BREAK (StructurePoint)</b>	
Curing	Software Modeling, Analysis, and Design
Hardened Concrete Properties	
<b>RECEPTION (PCA Courtyard)</b>	

Shotcrete	Economical Design of Structures
<b>Bridges: Teaching Resources National Concrete Bridge Council and FHWA Office of Bridges and Structures</b>	
<b>BREAK</b>	
<b>Codes and Standards</b>	
<b>Philosophy of Engineering for the Burj Khalifa, the World's Tallest Tower</b>	
<b>LUNCH (at CTLGroup)</b>	
Integrated Pavement Solutions	Advanced Analysis and Design Concepts of Post-Tensioned Bridge Superstructures: Part 1
Concrete Pavement Overview	
<b>NETWORKING BREAK (Library)</b>	
Concrete Pavement Overview (cont.)	Advanced Analysis and Design Concepts of Post-Tensioned Bridge Superstructures: Part 2
Joint Layout & Design	
<b>DINNER &amp; RECEPTION (Magianno's)</b>	

Pavement Design Software Tools	ACI 318-14 CH 19 and 26
	Performance-Based Specifications
<b>BREAK</b>	
<b>The PCI Design Handbook, 8th Edition</b>	
<b>TOUR OF CTLGroup LABS</b>	
<b>LUNCH (at CTLGroup)</b>	
Mixtures for Pavements	Masonry
Construction Methods	Teaching Prestressed Concrete Design
<b>NETWORKING BREAK (Library)</b>	
Maintenance & Preservation	PCI Design / Precast Plants
Sustainable Pavements	PCI Big Beam

8:00 AM	
8:30 AM	<b>Concrete Overlays</b>
9:00 AM	
10:00 AM	<b>Concrete Pavers</b>
10:20 AM	<b>BREAK (Library)</b>
11:15 AM	<b>Roller Compacted Concrete</b>
12:00 PM	<b>Paving Tools</b>
1:00 PM	
2:00 PM	
3:00 PM	
3:20 PM	
4:10 PM	
5:00 PM	
6:00 PM	
7:00 PM	
7:30 PM	

Updated:7/16/18



## 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	<b>Integrated Pavement Solutions</b>	Wayne Adaska
2:00 – 3:00	<b>Concrete Pavement Overview</b>	Eric Ferrebee
3:00 – 3:20	Networking Break (PCA Library)	
3:20 – 4:10	<b>Concrete Pavement Overview (cont.)</b>	Eric Ferrebee
4:10 – 5:00	<b>Joint Layout &amp; Design</b>	Mike Ayers
6:00 – 7:30	Group Dinner (Maggiano's)	

### Thursday, July 26, 2018

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

### Friday, July 27, 2018

8:00 – 9:00	<b>Concrete Overlays</b>	Gordon Smith
9:00 – 10:00	<b>Concrete Pavers</b>	Robert Bowers
10:00 – 10:20	Coffee Break (PCA Library)	
10:20 – 11:10	<b>Roller Compacted Concrete</b>	Wayne Adaska
11:10 – 12:00	<b>Paving Tools</b>	Mike Ayers/Gordon Smith



## **STRUCTURES TRACK (*Buildings and Bridges*)**

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

### **Tuesday, July 24, 2018**

8:00 – 9:30	<b>Modern Concretes</b>	Jack Gibbons
9:30 – 10:00	<b>Structural Design by ACI 318-14</b>	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	<b>Steel Reinforced Concrete Essentials: Part 1</b>	David Fanella
2:00 – 3:00	<b>Steel Reinforced Concrete Essentials: Part 2</b>	David Fanella
3:00 – 3:20	Networking Break (StructurePoint)	
3:20 – 5:00	<b>Software Modeling, Analysis, and Design (StructurePoint)</b>	StructurePoint
5:00 – 6:30	Reception at PCA (Courtyard)	



## **STRUCTURES TRACK (Buildings and Bridges)**

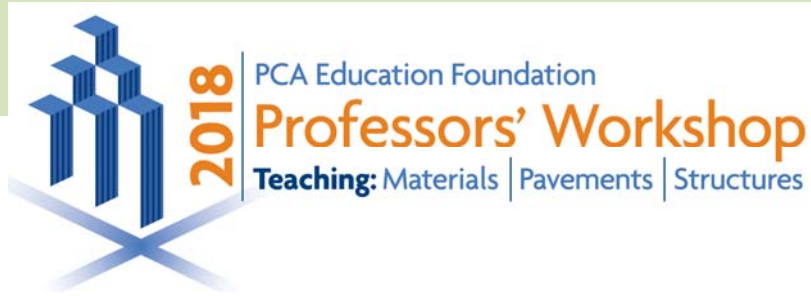
PCA, Skokie, IL  
July 23-27, 2018

### **Wednesday, July 25, 2018**

8:00 – 9:00	<b>Economical Design of Structures</b>	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	<b>Demonstration of Web-based Prestressed Bridge Design: Part 1</b>	Michelle Roddenberry
3:00 – 3:20	Networking Break (PCA Library)	
3:20 – 5:00	<b>Demonstration of Web-based Prestressed Bridge Design: Part 2</b>	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	<b>Tour of CTLGroup Laboratory Facilities</b>	
12:00 – 1:00	Lunch (at CTLGroup)	
1:00 – 2:00	<b>Masonry Design</b>	Ece Erdogmus
2:00 – 3:00	<b>Teaching Prestressed Concrete Design</b>	Richard Miller
3:00 – 3:20	Networking Break (Library)	
3:20 – 4:10	<b>PCI Design / Precast Plants</b>	Richard Miller
4:10 – 5:00	<b>PCI Big Beam</b>	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	<b>Mix Design</b>	Ken Hover
3:00 – 3:20	Networking Break (PCA Library)	
3:20 – 4:10	<b>Cement and Hydration</b>	Anton Schindler
4:10 – 5:00	<b>Supplementary Cementing Materials</b>	Anton Schindler
6:00 – 7:30	Reception at Hampton Inn	

### **Tuesday, July 24, 2018**

8:00 – 9:00	<b>Aggregates</b>	Jason Ideker
9:00 – 10:00	<b>Chemical Admixtures</b>	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	<b>Fresh Concrete Properties</b>	Ken Hover
2:00 – 3:00	<b>Placing and Finishing Concrete</b>	Ken Hover
3:00 – 3:20	Networking Break (Structure Point)	
3:20 – 4:10	<b>Curing</b>	Jason Ideker
4:10 – 5:00	<b>Hardened Concrete Properties</b>	Jason Ideker
5:00 – 6:30	Reception at PCA (Courtyard)	



## **CONCRETE MATERIALS TRACK**

PCA, Skokie, IL  
July 23-27 2018

### **Wednesday, July 25, 2018**

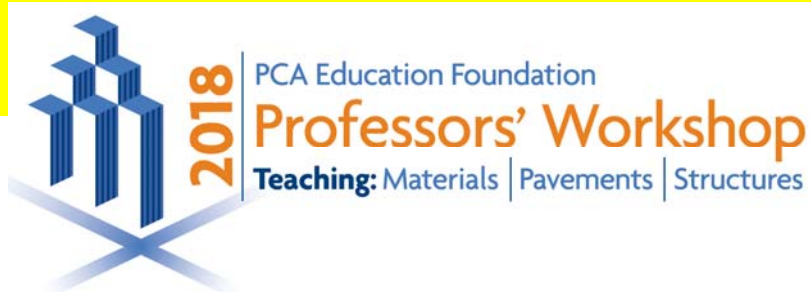
8:00 – 9:00	<b>Shotcrete</b>	Charles Hanskat
9:00 – 10:00	Plenary Sessions at CTLGroup	
10:00 – 10:20	Coffee Break (CTLGroup)	
10:20 – 12:00	Plenary Sessions at CTLGroup	
12:00 – 1:00	Lunch (CTLGroup)	
1:00 – 5:00	Dual Tracks: Pavements and Structures	
6:00 – 8:00	Dinner and Reception at Magianno's	

### **Thursday, July 26, 2018**

8:00 – 9:00	<b>ACI 318-14 Chapters 19 and 26</b>	Colin Lobo
9:00 – 10:00	<b>Performance-Based Specifications</b>	Colin Lobo
10:00 – 10:20	Coffee Break (CTLGroup)	
10:20 – 11:15	Plenary Session at CTLGroup	
11:15 – 12:00	<b>Tour of CTLGroup Laboratory Facilities</b>	
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



## ***PLENARY PROGRAM***

**PCA, Skokie, IL  
July 23-27, 2018**

### **Monday, July 23, 2018**

8:00 – 9:00	Welcome, Intros, and Overview	PCA
9:00 – 10:00	<b>Introduction to Concrete</b>	Ken Hover
10:00 – 10:20	Coffee Break (CTLGroup)	
10:20 – 10:45	<b>Market Intelligence</b>	David Zwicke
10:45 – 11:20	<b>ACI Resources for the Classroom</b>	Michael Tholen
11:20 – 12:00	<b>3D Printing</b>	Ali Memari
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	<b>Durability</b>	Jason Ideker
11:10 – 12:00	<b>CRSI Reinforced Concrete Building Capstone Course</b>	David Fanella
12:00 – 1:00	Lunch (CTLGroup)	
1:00 – 5:00	Dual Tracks: Materials and Structures	
5:00 – 6:30	Reception at PCA (Courtyard)	



## **PLENARY PROGRAM**

PCA, Skokie, IL  
July 24-28, 2017

### **Wednesday, July 25, 2018**

- 8:00 – 9:00 Dual Tracks: Materials and Structures
- 9:00 – 10:00 **Codes and Standards** Marc Nard
- 10:00 – 10:20 Coffee Break (CTLGroup)
- 10:20 – 11:15 **Bridges: Teaching Resources** NCBC and FHWA
- 11:15 – 12:00 **Philosophy of Engineering for the Burj Khalifa** Lawrence Novak
- 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)
- 10:20 – 11:15 **The PCI Design Handbook, 8th Edition** Richard Miller
- 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