

COLOR KEY / TRACK

PLENARY
MATERIALS
STRUCTURES (Buildings & Bridges)
PAVEMENTS
LUNCH, BREAK, or RECEPTION



Schedule At-A-Glance

Monday, July 22, 2019

8:00 AM		
9:00 AM	Welcome, Intros, and Overview	
10:00 AM	Introduction to Concrete	
10:20 AM	BREAK	
11:10 AM	Resources for Teaching	
12:00 PM	Association Student Competitions	
1:00 PM	LUNCH	
2:00 PM	Mix Design	Effective Teaching of RC Design
3:00 PM		Models for Teaching Structural Concrete
3:20 PM	NETWORKING BREAK	
4:10 PM	Cement and Hydration	CRSI Capstone Course
5:00 PM	SCMs	Steel Reinforced Concrete Essentials
6:00 PM	WELCOME RECEPTION	
7:00 PM		
8:00 PM		

Tuesday, July 23, 2019

Curing	
ACI 318-19 CH 19 and 26	
BREAK	
Resources for Teaching	
Student Competitions as Course Material	
LUNCH	
Aggregates	Economical Concrete Structures
Chemical Admixtures	Preparing Students for Today's Engineering Office
NETWORKING BREAK	
Fresh Concrete Properties	Software Modeling, Analysis, and Design
Placing and Finishing Concrete	

Wednesday, July 24, 2019

Durability	
3-D Printing	
BREAK	
Resources for Teaching	
Tour of ACI Headquarters	
LUNCH	
Hardened Concrete Properties	Refined Analysis Methods to Design Bridges
Performance-Based Design	100-Year Service Life
NETWORKING BREAK	
Integrated Pavement Solutions	Segmental Concrete Bridges
Concrete Pavement Overview	Masonry

DINNER - Genji Japanese Steakhouse

Thursday, July 25, 2019

Sustainability	
Repair	
BREAK	
Navigating ACI 318-19	
Roundtable Discussion- Effective Teaching Methods	
LUNCH	
Joint Layout & Design	The PCI Design Handbook, 8th Edition
Pavement Thickness Design	Teaching Prestressed Concrete Design
NETWORKING BREAK	
Mixture Design for Pavements	PCI Design / Precast Plants
Construction Methods	Post-Tensioning

Friday, July 26

8:00 AM	
9:00 AM	Maintenance & Preservation
10:00 AM	Concrete Pavers
10:20 AM	BREAK
11:10 AM	Concrete Overlays
12:00 PM	Roller-Compacted Concrete
1:00 PM	
2:00 PM	
3:00 PM	
3:20 PM	
4:10 PM	
5:00 PM	
6:00 PM	
7:00 PM	
8:00 PM	



PLENARY PROGRAM

(Multipurpose Room)

ACI World Headquarters, Farmington Hills, MI
July 22-26, 2019

Monday, July 22, 2019

8:00 – 9:00	Welcome, Introductions, and Overview	ACI/PCA
9:00 – 10:00	Introduction to Concrete	Ken Hover
10:00 – 10:20	Break	
10:20 – 11:10	Association Resources for Teaching	ACI and PCA
11:10 – 12:00	Association Student Competitions	Mike Tholen
12:00 – 1:00	Lunch	
1:00 – 5:00	Dual Tracks: Materials and Structures	

Tuesday, July 23, 2019

8:00 – 9:00	Curing	Anton Schindler
9:00 – 10:00	ACI 318-19, Chapters 19 and 26	Colin Lobo
10:00 – 10:20	Break	
10:20 – 11:10	Association Resources for Teaching	NCBC and FHWA
11:10 – 12:00	Student Competitions as Course Material	Chris Carroll
12:00 – 1:00	Lunch	
1:00 – 5:00	Dual Tracks: Materials and Structures	

Wednesday, July 24, 2019

8:00 – 9:00	Durability	Jason Ideker
9:00 – 10:00	3-D Printing	Eric Kreiger
10:00 – 10:20	Break	
10:20 – 11:15	Resources for Teaching	Cosponsoring Associations
11:15 – 12:00	Tour of ACI Headquarters	ACI Staff
12:00 – 1:00	Lunch	
1:00 – 5:00	Dual Tracks: Materials/Paving and Structures	

Thursday, July 25, 2019

8:00 – 9:00	Sustainability	Jeremy Gregory
9:00 – 10:00	Repair	David Scott
10:00 – 10:20	Break	
10:20 – 11:15	Navigating ACI 318-19	Mike Tholen
11:15 – 12:00	Roundtable Discussion/Effective Teaching Methods	Chris Carroll
12:00 – 1:00	Lunch	
1:00 – 5:00	Dual Tracks: Pavements and Structures	



MATERIALS TRACK

(Meeting Room A)

ACI World Headquarters, Farmington Hills, MI

July 22-26, 2019

Monday, July 22, 2019

8:00 – 12:00	Plenary Sessions (Multipurpose Room)	
12:00 – 1:00	Lunch	
1:00 – 3:00	Mix Design	Ken Hover
3:00 – 3:20	Break	
3:20 – 4:10	Cement and Hydration	Anton Schindler
4:10 – 5:00	Supplementary Cementitious Materials	Anton Schindler

Tuesday, July 23, 2019

8:00 – 12:00	Plenary Sessions (Multipurpose Room)	
12:00 – 1:00	Lunch	
1:00 – 2:00	Aggregates	Jason Ideker
2:00 – 3:00	Chemical Admixtures	Anton Schindler
3:00 – 3:20	Break	
3:20 – 4:10	Fresh Concrete Properties	Ken Hover
4:10 – 5:00	Placing and Finishing Concrete	Ken Hover

Wednesday, July 24, 2019

8:00 – 12:00	Plenary Sessions (Multipurpose Room)	
12:00 – 1:00	Lunch	
1:00 – 2:00	Hardened Concrete Properties	Jason Ideker
2:00 – 3:00	Performance-Based Specifications	Colin Lobo
3:00 – 3:20	Break	
3:20 – 5:00	Dual Tracks: Pavements and Structures	



STRUCTURES TRACK (*Buildings and Bridges*)

(Multipurpose Room)

ACI World Headquarters, Farmington Hills, MI

July 22-26, 2019

Monday, July 22, 2019

8:00 – 12:00	Plenary Sessions	
12:00 – 1:00		Lunch
1:00 – 2:00	Effective Teaching of Reinforced Concrete Design	Jim Wight
2:00 – 3:00	Models for Teaching Structural Concrete	Chris Carroll
3:00 – 3:20		Break
3:20 – 4:10	CRSI Capstone Course	David Fanella
4:10 – 5:00	Steel Reinforced Concrete Essentials	David Fanella

Tuesday, July 23, 2019

8:00 – 12:00	Plenary Sessions	
12:00 – 1:00		Lunch
1:00 – 2:00	Economical Concrete Structures – Selection, Design, and Construction	Jamie Farny
2:00 – 3:00	Preparing Students for Today's Engineering Office	Ed Alsamsam/Dan Popp/ Jamie Farny
3:00 – 3:20		Break
3:20 – 5:00	Software Modeling, Analysis, and Design	Ed Alsamsam

Wednesday, July 24, 2019

8:00 – 12:00	Plenary Sessions	
12:00 – 1:00		Lunch
1:00 – 2:00	Refined Analysis Methods to Design Bridges	Thomas Murphy
2:00 – 3:00	100-Year Service Life	NCBC
3:00 – 3:20		Break
3:20 – 4:10	Segmental Concrete Bridges	Gregg Freeby
4:10 – 5:00	Masonry	Ece Erdogmus

Thursday, July 25, 2019

8:00 – 12:00	Plenary Sessions	
12:00 – 1:00		Lunch
1:00 – 2:00	PCI Design Handbook, 8th Edition	Richard Miller
2:00 – 3:00	Teaching Prestressed Concrete Design	Richard Miller
3:00 – 3:20		Break
3:20 – 4:10	PCI Design / Precast Plants	Richard Miller
4:10 – 5:00	Post-Tensioning	Miroslav Vejvoda



PAVEMENTS TRACK

(Meeting Room A)

ACI World Headquarters, Farmington Hills, MI

July 22-26, 2019

Wednesday, July 24, 2019

8:00 – 12:00	Plenary Sessions (Multipurpose Room)	
12:00 – 1:00	Lunch	
1:00 – 3:00	Dual Tracks: Materials and Structures	
3:00 – 3:20	Break	
3:20 – 4:10	Integrated Pavement Solutions	Wayne Adaska
4:10 – 5:00	Concrete Pavement Overview	Norb Delatte

Thursday, July 25, 2019

8:00 – 12:00	Plenary Sessions (Multipurpose Room)	
12:00 – 1:00	Lunch	
1:00 – 2:00	Joint Layout & Design	Eric Ferrebee
2:00 – 3:00	Pavement Thickness Design	Eric Ferrebee
3:00 – 3:20	Break	
3:20 – 4:10	Mix Design for Pavements	Hamed Sadati
4:10 – 5:00	Construction Methods	Mike Ayers

Friday, July 26, 2019

8:00 – 9:00	Maintenance & Preservation	Mike Ayers
9:00 – 10:00	Concrete Pavers	Robert Bowers
10:00 – 10:20	Break	
10:20 – 11:10	Concrete Overlays	Hamed Sadati
11:10 – 12:00	Roller-Compacted Concrete	Wayne Adaska