

Teaching: Materials, Structures, Pavements
July 20–24

COLOR KEY / TRACK VENUE

PLENARY at CTLGroup

MATERIALS in PCA East Classroom M-W, West Classroom TH

STRUCTURES in PCA West Classroom

PAVEMENTS in PCA East Classroom

LUNCH, BREAK, or RECEPTION (Venue as noted)

Schedule At-A-Glance

Monday, July 20, 2015

8:00 AM			
8:30 AM	Welcome, Intros, and Overview		
9:00 AM			
	Introduction to Concrete		
10:00 AM			
10:20 AM	BREAK		
	Market Intelligence		
11:20 AM	market intelligence		
	Codes and Standards		
12:00 PM			
	LUNCH (at CTLGroup)		
1:00 PM	(
0.00 514		Effective Teaching of RC Design	
2:00 PM	Mix Design		
3:00 PM		Models for Teaching Structural Concrete	
3:20 PM	NETWORKING BREAK (Library)		
4:10 PM	Cement and Hydration	RC Teaching Aids	
	SCMs	Economical Design of	
5:00 PM	SCIVIS	Structures	
6:00 PM			
7:00 PM	RECEPTION (at the	DECEDTION (at the Hilton DoubleTree)	
	RECEPTION (at the Hilton DoubleTree)		
8:00 PM			

Tuesday, July 21, 2015

Aggregates Lightweight Aggregate	Steel Reinforced Concrete Essentials: Part 1		
Chemical Admixtures	Structural Integrity		
BREAK			
Sustainability			
Resiliency			
BBQ LUNCH (Courtyard)			
Fresh Concrete Properties	Strut-and-Tie Method Design by ACI 318-14		
Hardened Concrete Properties	Steel Reinforced Concrete Essentials: Part 2		
NETWORKING BREAK (StucturePoint)			
Placing and Finishing Concrete	Seismic Design Loads		
Curing	Seismic Detailing		

Dinner on your own

Wednesday, July 22, 2015

Fibers	Modern Concretes		
Shotcrete	Teaching Prestressed Concrete Design		
BREAK			
The Reorganized ACI 318-14 Code			
Philosophy of Engineering for the Burj Khalifa, the World's Tallest Tower			
LUNCH (at CTLGroup)			
TOUR OF CTLGroup LABS			
Integrated Pavement Solutions	PCI Design Handbook & PCI Bridge Design Manual		
NETWORKING BREAK (Library)			
Concrete Pavement	PCI Big Beam		
Overview	Virtual Precast Plant Tour		

RECEPTION & GROUP DINNER (at Maggiano's Restaurant)

Thursday, July 23, 2015

AASHTO Pavement ME Overview	ACI 318-14 CH 19 and 26		
Joint Layout & Design	Performance-Based Specifications		
BREAK			
Durability			
Ultra High Performance Concrete			
LUNCH (at CTLGroup)			
Mixtures for Pavements	Structural Design by ACI 318-14		
Construction Methods	.,		
Construction Methods	Masonry Design		
NETWORKING BREAK (Library)			
Construction Methods	Masonry Design (cont.)		
Maintenance & Preservation	Teaching - Open Discussion		

Dinner on your own

Friday, July 24, 2015

8:00 AM 8:30 AM 9:00 AM

10:00 AM 10:20 AM

11:20 AM

12:00 PM

1:00 PM

2:00 PM

3:20 PM

4:10 PM

5:00 PM

6:00 PM

7:00 PM

Sustainable Pavements
Concrete Pavers
BREAK
Concrete Overlays
Paving Tools
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Updated: 4/20/15 8:00 PM