1er PRIMER

Seminario Internacional de Pisos y Pavimentos de Hormigón 2016

LIMA - PERÚ

DCS DURABLE CONCRETE SOLUTIONS

June 9th / Los Delfines Hotel / Lima-Perú

General Entrance: 300 USD

50% DISCOUNT BEFORE MAY 20th
50% DISCOUNT ACI PERÚ MEMBERS

COMPANY PACK: 5 TICKETS FOR THE PRICE OF 3 (NOT ACCUMULATIVE)

PARKING AVALIABLE

CONTENT

DCS invites you to the third version of the International Concrete flatwork seminar in Lima, Peru on June 9th and 10th 2016. This seminar would again focus on concrete flatwork but would be split with 1 day on interior slabs and 1 day in exterior paving. Once again, this event would be designed to present the best practices of the concrete industry for quality slab-on-ground and pavement construction. The seminar will feature both design and construction practices and wil present the latest innovations and technologies of the industry in a technical format.

TARGET ATTENDEES

The seminar would be of interest to all parties involved in the construction of concrete slabs and pavements including engineers, architects, general contractors, concrete contractors, building owners, government agencies, and all others seeking the most up-to-date information.

SPEAKERS INVITED

Dr. Lev Khazanovich
Professor at the University of Minnesota
ICSP Director
Member TRB.

Dr. Jeffery Roesler
Professor University of Illinois
President of ICSP
Member ACI, AFD50, TRB

Nigel Parkes
Director of Business Development for PNA
Member ACI 302,325,330,360,223
Former Director ASCC

Robert Rodden
Lead Engineer PNA
Member ACI 302,325,330,360,TRB, ACPA,NCHRP,CPTech.

Jeromy Craig
Regional Director Metzger Mcguire Co.
Member ACI 360, 302, 310

Paul Blasdel
President Stego Industries
Member ACI, CSI, ASCC

Juan Pablo Covarrubias
President TCPavements
ICSP Director
Professor Universidad de Los Andes

Alfredo Grez
President Katemu
Member ICH

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SEMINAR AGENDA

1er PRIMER Seminario Internacional de Pisos y Pavimentos de Hormigón 2016 — LIMA - PERÚ

DAY 1: JUNE 8.

FOCUS ON CONCRETE FLOORS **FOR INDUSTRIAL FACILITIES**

	Topic	
8:30am	Seminar registration */ DCS*	
8:45am	Welcome to the attendees, seminar objectives & introductions of the speakers */ Luis Hinrichs*	
9:00am	**DESIGN OF INDUSTRIAL CONCRETE FLOORS (PART 1).** The importance of considering all the required inputs; expected loads, subgrade support, magnitude of curling/warping, joint spacing and joint stability when determining an appropriate slab design and thickness. New research and information regarding the optimization of load transfer devices to provide serviceability and reduced joint spalling with also be presented.	*Robert Rodden*
9:45am	DESIGN OF INDUSTRIAL CONCRETE FLOORS (PART 2). Designing of floors in South America. The importance of considering the local environment, climate, materials, and construction practices when designing a slab will be presented. The suitability of following both the American Concrete Institute and the British TR34 design recommendations for slab designs in Peru will be discussed with recommendations for floor designs to support rack loads in seismic areas. How to properly specify and measure floor tolerances will also be addressed.	*Juan Pablo Covarrubias*
10:30am	*Coffee break – sponsors booths*	
11:00am	DESIGN OF INDUSTRIAL CONCRETE FLOORS (PART 3). Numerous slab systems including post-tensioned, shrinkage-compensating concrete, fiber reinforced, and strategically-reinforced designs will be discussed along with recommendations for the appropriate use of reinforcement and jointing for each design. The need for unrestrained joint activation and lateral movement of adjacent slab panels to reduce random cracking will be highlighted along with recommendations for the detailing and installation of construction, contraction and isolation joints.	*Nigel Parkes*
11:45am	Construction of industrial floors. Best practices for the placing, finishing & curing of concrete floors to achieve the most durable surface will be presented in detail. The importance of using the appropriate concrete materials and developing suitable mixture proportions for Industrial concrete floors will also be discussed. Methods of placement and finishing to achieve the designed floor tolerances and abrasion resistance will be covered with examples of the construction methods required for specialty floors such as narrow aisle, racked warehouses and freezer / cold storage facilities.	*Alfredo Grez*
12:30pm	Sponsors commercial presentations (10 mins each)	*Sponsors*
1:00pm	*Lunch*	
2:00pm	The maintenance and repair of concrete floors. The required quality of joint filling (and re-filling if required) to provide long term serviceability will be presented. The treatment of joints and surface defects in new and damaged floors will be discussed focusing on both aesthetics and durability. Topics will include joint stabilization, slab patching and crack and joint repair. Recommended practices for owners and tenants will be discussed for the ongoing maintenance of concrete floors.	*Jeromy Craig*
2:45pm	DESIGN OF CONCRETE SLABS FOR COMMERCIAL BUILDINGS (PART 1). The reinforcement & jointing of floors designed for floor coverings and coatings will be discussed in detail. Designs suited to exposed floors without wheeled traffic, floor coverings or both will be addressed including recommendations for the elimination of joints.	*Nigel Parkes*
3:30pm	*Coffee break – sponsors booths*	
4:00pm	Vapor transmission control. The elimination of issues due to mold & mildew, poor indoor air quality, soil gasses and the failure of surface treatments will be discussed in detail. Methods of testing the slabs moisture emission prior to the installation of a floor covering will be discussed. The environmental effect of design choices will also be covered.	*Paul Blasdel*
4:45pm	The process of polishing concrete, creating the desired finish with a durable surface will be discussed in detail. Strengthening and dust proofing concrete by densification will covered with the appropriate specification and measurement of gloss factors. Improving aesthetics and creative design with color with project examples will be presented.	*Jon Hughel*
5:30pm	Questions and answers	*Speakers*
6:00pm	*Closing remarks*	*ACI Perú*

DAY 2: JUNE 9 AM SESSION

FOCUS ON CONCRETE PAVING **FOR STREETS, ROADS AND HIGHWAYS**

	Topic	
8:30am	Welcome of new attendees joining us & introduction of the speakers	*Luis Hinrichs*
9:00 am	DESIGN OF CONCRETE PAVING FOR INDUSTRIAL FACILITIES (PART 1) – The similarities and differences between concrete paving for industrial facilities and street or highway construction will be discussed with a focus on the need for the design to match the intended construction methods. A focus on the need, or not, for reinforcement will also be discussed.	*Robert Rodden*
10:00 am	Construction of concrete paving for industrial facilities – Concrete placement in both strip-pours and wide bay construction with the 3D Laser Screed will be presented. The importance of following the proper joint layout guidelines and details to reduce out of joint cracking will be discussed.	*Nigel Parkes*
10:30 am	*Coffee break – sponsors booths*	
11:00am	DESIGN OF CONCRETE PAVING FOR INDUSTRIAL FACILITIES (PART 2) – The importance of joint spacing, magnitude of curling / warping and the need for different pavement designs in South America will be discussed.	*Juan Pablo Covarrubias*
11:30pm	Overview of the types of concrete pavement for streets, roads & highways with an introduction to the most recent innovations in concrete pavement materials and design.	*Dr. Jeff Roesler*
12:40pm	Sponsors commercial presentations (10 mins each)	*Sponsors*
1:00pm	*Lunch*	
2:15pm	Structural modeling of concrete pavements with a description of the development and implementation of the first mechanistic-empirical design method for concrete pavements	*Dr. Lev Khazanovich*
3:15pm	Curling of pavement slabs and strategies to reduce curling.	*Dr. Jeff Roesler*
4:00pm	*Coffee break – sponsors booths*	
4:30pm	Concrete pavements in South America. The discussion will focus on which design methods can and should be adopted or adapted to suit the various climates and materials used throughout South America.	*Juan Pablo Covarrubias*
5:00pm	Non-destructive testing; and the importance of proper construction QA/QC	*Dr. Lev Khazanovich*
5:40pm	Sponsors commercial presentations (10 mins each)	*Sponsors*
6:00pm	*Closing remarks*	*DCS / ACI Peru*

9 – 10 JUNIO 2016 / HOTEL LOS DELFINES

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