



# INTERNATIONAL SOCIETY FOR CONCRETE PAVEMENTS

ISCP e-NEWSLETTER  
VOLUME 11 • NUMBER 8  
AUGUST 2014

TITLE	PAGE
Conferences & Workshops	1-2
Industry Publications, News & Resources	3
Webinars	4-5
Thesis Abstract	5
Call for Abstracts Digest	5-6
Calendar	6

## ORGANIZATIONAL MEMBERS & MAJOR EVENT SPONSORS:



## CONFERENCES & WORKSHOPS

### ASOCRETO Concrete Meeting "EXPO RC 2014" & Specialized Pre-Events to be Held September, 2014 in Colombia, South America



The Asociación Colombiana de Produraares de Cncreto (ASOCRETO) is hosting the one of the biggest events in construction: Expo Reunión Concreto 2014 (EXPO RC 2014) with the theme "Competitiveness Without Borders". The EXPO RC 2014 will be held September 24-26 in the Convention Center of Cartagena, Colombia with Specialized Pre-Events on September 23 and 24 at the Hotel Las Américas and Cartagena de Indias Convention Center, Cartagena, Colombia, South America.



This is the 50<sup>th</sup> Concrete Meeting and will be the venue designed specifically for colleagues and professionals of engineering and architecture from over 20 nationalities. Attendees will learn about the newest equipment and products, the latest trends, and the latest technologies and advances. They will have the opportunity to socialize and make contacts, and attend extra-curricular activities, special exhibitions, and product and equipment demonstrations.

There will be 140 national and international exhibitors from more than 25 companies in the construction industry. EXPO RC 2014 will host 2,300 attendees from 20 countries including civil engineers, architects, construction directors, resident officers, inspectors, consultants, builders, businessmen, technical personnel of construction, and many others.

- More than 90 meetings will simultaneously occur in 5 conference rooms
- 16 Topics related to the construction of cement and concrete
- Speakers from 14 countries—Germany, Brazil, Canada, Chile, Colombia, Spain, USA, France, Italy, Mexico, Norway, Panama, Switzerland and Venezuela

#### 4 Specialized Pre-events September 23-24:

- Convention Center of the Hotel Las Américas and Convention Center of Cartagena De Indias
- 1) Concrete Structures Inspection—How to avoid mistakes.
  - 2) Seismic design of precast concrete structures: buildings and bridges  
ASOGRAVAS. 2º National Meeting of Aggregates  
Women in Concrete Alliance - WICA
  - 3) Live demonstrations
  - 4) Social activities of integration and meeting

#### Registration deadline is September 15, 2014.

For the Specialized Pre-Events, please go to:  
[http://www.asocreto.org.co/programa\\_rc2014/pre-eventos\\_en.html](http://www.asocreto.org.co/programa_rc2014/pre-eventos_en.html).  
 For the home page of the conference, please go to:  
[http://www.asocreto.org.co/principal\\_rc2014/index\\_en.html](http://www.asocreto.org.co/principal_rc2014/index_en.html).  
 For the program, please go to: [http://www.asocreto.org.co/principal\\_rc2014/tarifas\\_en.html](http://www.asocreto.org.co/principal_rc2014/tarifas_en.html).

### Reminder: 12<sup>th</sup> Symposium in Prague, Czech Republic September 23-26, 2014



The 12<sup>th</sup> International Symposium on Concrete Roads will be held September 23-26, 2014 in Prague, Czech Republic. Late registration began August 1, 2014. To read the ISCP article on the Symposium, please go to page 4 of the ISCP April 2013 Newsletter: <http://www.concretepavements.org/Membership/Newsletter/ISCPAPRIL13Newsletter.pdf>.



To register online, please go to: [www.concreteroads2014.org/en/registration](http://www.concreteroads2014.org/en/registration).  
 To download a conference flyer, please go to: <http://www.eupave.eu/documents/graphics/12thinternational Symposium2014-prague/flyer-symposium-final.pdf>.

For questions, please contact: Symposium Secretariat: E-mail: [isrc2014@guarant.cz](mailto:isrc2014@guarant.cz).

# IMCYC to Hold Training Courses on Concrete Pavements



The Instituto Mexicano del Cemento y del Concreto, A.C. (IMCYC) (Mexican Institute of Cement and Concrete, AC) will be holding three (3) training courses on concrete pavements at the IMCYC Headquarters, located in the Federal District of Mexico City, Mexico. They will be held in three consecutive months of 2014:

- September 11** Construction of Concrete Pavements
- October 9** Evaluation of Concrete Pavements
- November 13** Repair, Rehabilitation and Preservation of Concrete Pavements

For registration and information, please contact: Veronica Andrade: E-mail: [cursos@mail.imcyc.com](mailto:cursos@mail.imcyc.com)  
Martha Velazquez: E-mail: [mvelazquez@mail.imcyc.com](mailto:mvelazquez@mail.imcyc.com)

To purchase teaching materials, please contact:

Michael Lopez Villanueva: E-mail: [mlopez@mail.imcyc.com](mailto:mlopez@mail.imcyc.com)

For the website and calendar, please go to: <http://imcyc.com/>: Click on "CURSOS 2014" (Courses 2014)

# Best Practices in Airfield Concrete Pavement Construction Workshop to be Held October 14-16 in Illinois, USA



The American Concrete Pavement Association (ACPA) will hold a comprehensive, three-day workshop titled: "Best Practices in Airfield Concrete Pavement Construction" October 14-16, 2014 at the ACPA Headquarters, 3<sup>rd</sup> floor conference room, in Rosemont, Illinois.

The curriculum is well-suited for:

- contractors
- consultants
- inspectors
- military engineers
- airport owners and owners' representatives
- engineers
- Federal Aviation Administration (FAA) personnel
- others with an interest in designing, constructing and maintaining quality concrete pavements for commercial airports and military airfield applications.

Leading experts from the ACPA, the FAA, and other companies in the airport construction community will present information and lead discussions. In addition to providing comprehensive information about airport pavement design and construction, the Workshop will cover various specifications (i.e., P-501, Unified Facilities Guide Specifications, etc.), advisory circulars, engineering briefs, and other resources.

Reference materials will be provided and topics include:

- |                                  |   |                           |
|----------------------------------|---|---------------------------|
| Pavement Design                  | Foundation Support  | Jointing                  |
| Concrete Mixtures                | Stockpiling   | Concrete Plant Management |
| Placing & Consolidating Concrete | Finishing & Curing  | Acceptance Criteria       |
| Smoothness                       | Department of Defense & Federal Aviation Guide Specifications |                           |

Registration fees: \$750 for ACPA members | \$900 for non-members | \$500 for government employees.

For more information, registration, hotels, and other details, please go to:

<http://www.acpa.org/workshop-best-practices-in-airfield-concrete-pavement-construction/>.

# ACPA's Concrete Pavement University to be Held at 51<sup>st</sup> Annual Meeting in December



ACPA's Concrete Pavement University (CPU) will be held during the final two days of ACPA's 51<sup>st</sup> Annual Meeting in Scottsdale, Arizona, USA—on Thursday, December 4 and Friday, December 5, 2014. CPU is one of the

popular features of the ACPA Annual Meeting, and this year's lineup aims to provide useful information on timely topics of relevance to contractors, promoters and others in the concrete pavement industry.

The topics include:

## Thursday, December 4

### CPU track 1: Opening Keynote Session:

- *Implications of the Elections on the Highway Bill and Funding Future Directions of Technology Implementation and Performance Measures*

### CPU track 2: Quality in the Paving Process: Part A:

- *Quality assurance concepts*

### CPU track 3: Project Stories Session

- *I-480 Turbine Interchange Project, North Carolina*
- *Whitertopping the French Quarter, New Orleans*
- *Kansas Whitertopping on Full-Depth Reclamation*
- *Other topics may be included or substituted*

## Friday, December 5

### CPU track 4: Quality in the Paving Process: Part B

- *Concrete Materials, Properties and Testing*
- *Pre-Paving and Mixture Production*

### CPU track 5: Policy Concepts

- *The Ideal Pavement Type Selection Process*
- *Life-Cycle Assessment Concepts and Tool Development*
- *An Alternative Cost Analysis Parameter for Pavements*

### CPU track 6: Quality in the Paving Process: Part C

- *Paving w/ Quality in Mind*
- *Quality Control Plans Used Effectively*

### CPU track 7: Innovations & Applications

- *Kansas Internal Curing Test Section*
- *Traffic Management and the New Overlay Guide*
- *Other topics may be included or substituted*

### CPU track 8: Quality in the Paving Process: Part D

- *Applying Quality Concepts*
- *Quality Paving: Contractor Panel Discussion*

### CPU track 9 – MIT Training

- *Insights into the MIT Concrete Sustainability Hub and cement/concrete industries collaborative efforts, including discussion & question-and-answer opportunities.*

(The program is subject to change without notice)

For more information, please go to: <http://www.acpa.org/cpuprogram/>.



## Professional Development Hours (PDH):

Participants will have the opportunity to earn up to **20 PDH's** for the successful completion of the course.

ACPA encourages participants to confirm the acceptance of ACPA-issued PDH's with licensing organizations in their state/province.



CPU offers an opportunity to earn up to

## 8.5 PDH's

toward continuing education requirements.



## ACPA Offers LCCA Publication in Spanish



ACPA and the Cement and Concrete Institute (CCI) of Chili have collaborated to create the Spanish Life-Cycle Cost Analysis (LCCA) publication titled, "Análisis del costo del ciclo de Vida: Una herramienta para evaluar mejor las inversiones y decisiones técnicas en pavimentación" (Life Cycle Cost Analysis: A tool to better evaluate the investments and decisions paving techniques). The publication begins by discussing LCCA in general terms and then providing detailed steps for conducting a single-project LCCA. The document also covers some applications and extensions of LCCA, such as the "mix of fixes" concept, sustainability in the context of LCCA, the role of LCCA in pavement type selection, the impact of material quantity specifications on LCCA results, and total ownership costs. To order a copy of the Spanish LCCA (EB011S | PDF), and for more information, please go to: <http://www.acpa.org/publications-for-purchase/>.

## CP Road Map E-News



### New MAP Brief

Moving Advancements into Practice (MAP) Briefs describe promising research and technologies that can be used now to enhance concrete paving practices. The August 2014 MAP Brief "Deicing Salts and Concrete Pavements" describes different deicing chemical alternatives, the potential impact of each chemical on concrete pavements, and recommendations to minimize damage from deicing salts on new pavements. To download the August 2014 MAP Brief PDF, "Deicing Salts and Concrete Pavements" please go to: <http://www.cproadmap.org/publications/MAPbriefAugust2014.pdf>.

### News from the Road

News from the Road highlights research, studies, projects and news from around the United States that helps the concrete pavement community meet the research objectives outlined in the CP Road Map. The August 2014 CP Road Map E-News headlines are below, with a brief overview and a link to continue reading each of the articles. To read the August issue in its entirety, please go to: [http://www.cproadmap.org/publications/e-news\\_Aug2014.cfm](http://www.cproadmap.org/publications/e-news_Aug2014.cfm).

### MnROAD Celebrates 20 Years of Success

The Minnesota Department of Transportation (MnDOT) owns and operates MnROAD—a unique cold-weather pavement research facility located near Albertville, Minnesota, USA. MnROAD celebrated its 20<sup>th</sup> Anniversary this summer on August 6, 2014. MnROAD has been very successful in producing implementable research and now has formed three (3) subcommittees to help in the future development of prioritized ideas that will be marketed to fund the research and required test sections. To continue reading this article, please go to: [www.cproadmap.org/publications/e-news\\_Aug2014.cfm](http://www.cproadmap.org/publications/e-news_Aug2014.cfm). To become involved with MnROAD, please contact: Ben Worel, *MnROAD Operations Engineer*: E-mail: [ben.worel@state.mn.us](mailto:ben.worel@state.mn.us) | Telephone: 651-366-5522 | Website: <http://www.dot.state.mn.us/mnroad/>.

### Kansas Evaluates the Benefits of Internal Curing for Highway Pavements

The Kansas DOT (KDOT) is in the process of evaluating the properties of internally cured concrete pavement. KDOT's contractor placed concrete containing lightweight aggregate for internal curing on US-54 near Iola, Kansas in early May 2014. Heavily instrumented with moisture sensors, vibrating wire strain gauges, and a weather station, the pavement will monitor vertical strain data and moisture at three levels in the concrete slabs for evaluation of shrinkage and curling. To continue reading this article, please go to: [http://www.cproadmap.org/publications/e-news\\_Aug2014.cfm](http://www.cproadmap.org/publications/e-news_Aug2014.cfm). To read about this project's contribution to research objectives identified in "CP Road Map Track 1: Materials and Mixes for Concrete Pavements", please go to: <http://www.cproadmap.org/research/Track1.cfm>.

### Research Finds Environmental Factors Impact Loss of Support and Load Transfer Efficiency

Research by the New York State DOT (NYDOT) and the Ohio DOT (ODOT) on Interstate 490 near Rochester, New York investigated two areas: 1) Loss of support from environmental factors including curling and warping during curing and early use; and 2) Pavement performance with varying diameters and spacing of load transfer devices. To continue reading this article, please go to: [http://www.cproadmap.org/publications/e-news\\_Aug2014.cfm](http://www.cproadmap.org/publications/e-news_Aug2014.cfm). To read the PDF on this research titled "Monitoring and Modeling of Pavement Response and Performance, Task B: New York. Volume 1: I490, RT9A and I86 AC Pavement", please go to: <http://trid.trb.org/view/1144249>.

### Toronto Evaluates Long-Term Performance of Unbonded Concrete Overlay

The T-intersection of Bloor Street and Aukland Road in Toronto, Canada has been subjected to a heavy volume of slow-moving traffic—in excess of 30,000 Annual Average Daily Traffic (AADT)—extremely damaging the asphalt pavement. Traffic volume, vehicle type, and traffic movements caused severe rutting and shoving of the asphalt pavement—requiring the City of Toronto to intervene with frequent "mill and overlay" treatments. The City of Toronto and the Cement Association of Canada, addressed safety concern by rehabilitating the intersection with the City's first unbonded concrete overlay. To continue reading this article, please go to: [http://www.cproadmap.org/publications/e-news\\_Aug2014.cfm](http://www.cproadmap.org/publications/e-news_Aug2014.cfm). To read the full report, "Ten-Year Performance Evaluation of Unbonded Concrete Overlay and Jointed Plain Concrete Pavement: A Toronto Case Study", please go to: <http://trid.trb.org/view/1301851>. To read this project's research objectives in CP Road Map: "Track 8: Concrete Pavement Construction, Reconstruction and Overlays", please go to: <http://www.cproadmap.org/research/Track8.cfm>.

### Updates from the States: Federal Highway Administration (FHWA)

The FHWA's Office of Research, Development and Technology (RD&T) is located at the Turner-Fairbank Highway Research Center (TFHRC), a federally owned and operated national research facility in McLean, Virginia. This world-class facility houses more than 20 labs, data centers and support facilities; and conducts applied and exploratory advanced research in vehicle-highway interaction, nanotechnology, transportation safety research, pavements, structures, human-centered systems, operations and intelligent transportation systems, and materials. To continue reading this article, please go to: [http://www.cproadmap.org/publications/e-news\\_Aug2014.cfm](http://www.cproadmap.org/publications/e-news_Aug2014.cfm). To read more about the FHWA, in "Updates from the States: FHWA (2014)", please go to: [http://www.cproadmap.org/publications/e-news\\_2014\\_August-FHWA.cfm](http://www.cproadmap.org/publications/e-news_2014_August-FHWA.cfm).

**BOLETÍN TÉCNICO**

Análisis del costo del ciclo de vida: Una herramienta para evaluar mejor las inversiones y decisiones técnicas en pavimentación

**ACPA**

---

**CP ROAD MAP**

**Moving Advancements into Practice**

**MAP Brief August 2014**

**Deicing Salts and Concrete Pavements**

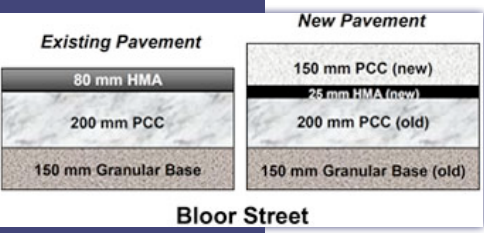
**Introduction**

Deicing salts are a common method for melting snow and ice on roadways. However, these salts can cause significant damage to concrete pavements. This brief discusses different deicing chemical alternatives, the potential impact of each chemical on concrete pavements, and recommendations to minimize damage from deicing salts on new pavements.

**Deicing Products**

Deicing products are used to melt snow and ice on roadways. However, these products can cause significant damage to concrete pavements. This brief discusses different deicing chemical alternatives, the potential impact of each chemical on concrete pavements, and recommendations to minimize damage from deicing salts on new pavements.

CP Road Map Brief 8, August 2014





ACPA and CP Tech Center will award

**2 PDH's** to those who complete this live, web-based training program, as well as the optional "evidence of learning exam" following the webinar.



Architects and engineers earn

**2 PDH's** upon completion of this webinar.

This webinar is registered with the American Institute of Architects Continuing Education Systems.



A certificate for

**2 PDH's** will be provided to Professional Engineers (PEs) who register and attend the webinar as an individual. For groups: Only the person that registers & attends will receive a PDH certificate.



## Overview of Concrete Pavement Overlays

**TUESDAY, SEPTEMBER 4, 2014** (2 hours)

1:00 pm - 3:00 pm (EST) | Noon - 2:00 pm (CST) | 10:00 am - Noon (PST)

**Webinar Presenter:** **Dale Harrington, P.E.**, *Snyder & Associates* for the National Concrete Pavement Technology Center  
**Gary Fick, P.E.**, *Trinity Construction Management Services, Inc.* for the National Concrete Pavement Technology Center

- Webinar Outline:**
- Overview of bonded and unbonded overlays, subset overlay types, and how and when they are used.
  - Brief history of concrete resurfacing, as well as changes in the technology that have occurred in recent years.
  - Brief discussions on evaluating pavements & selecting solutions; various concrete overlay options; overlay design considerations; materials and mixtures; work zone strategies; and construction of concrete overlays.
  - How overlays fit with pavement preservation, rehabilitation and reconstruction strategies.
  - "Lessons learned" from recent overlay projects—relate these experiences to planned future projects
  - Current resources: Overlay design considerations and software solutions offered by the ACPA, University of Pittsburgh, etc.

This webinar (based on the "Guide to Concrete Overlays, 3<sup>rd</sup> Edition") will focus on evaluating pavements and selecting solutions; various concrete overlay options; overlay design considerations; materials and mixtures; work zone strategies; construction of concrete overlays; and much more. It is the first in a series of webinars that will continue in 2015. Contractors, consultants and agencies will all benefit from this program, which is highly recommended for construction managers, project managers, superintendents, foremen, QC/QA personnel, pavement designers, inspectors, procurement personnel, and others who have either direct or indirect responsibility for rehabilitating and preserving pavements.

To register and for more information, please go to: <http://www.acpa.org/overlayguide3/>.

## Designing & Specifying Pervious Concrete: Part 1 & Part 2

**(1) TUESDAY, SEPTEMBER 9, 2014** (1.5 hours)

2:00 pm - 3:00 pm (EST) | 1:00 pm - 2:00 pm (CST) | 11:00 am - Noon (PST)

**(2) TUESDAY, SEPTEMBER 16, 2014** (1.5 hours)

2:00 pm - 3:00 pm (EST) | 1:00 pm - 2:00 pm (CST) | 11:00 am - Noon (PST)

**Webinar Presenter:** Phil Kresge, *Senior Director, National Resources*

This two-part webinar provides an overview on implementing pervious concrete pavements as a solution to reducing stormwater runoff from building sites and other paved areas. Participants will learn about pervious concrete pavement systems, engineering properties, and construction techniques.

**Part 1** discusses hydrologic and structural design of pervious concrete pavements. **Part 2** addresses the specifics that every specifier should consider when drafting pervious concrete specifications, with a focus on American Concrete Institute's (ACI) "Committee 522 Guide to Specification for Pervious Concrete". This webinar will help civil engineers, architects, landscape architects, public works officials, contractors, product suppliers, and land developers understand the principles behind pervious concrete design.

To register and for more information, please go to:  
[http://www.concreteanswers.org/Specifier\\_Webinars/main.html](http://www.concreteanswers.org/Specifier_Webinars/main.html).

For more information or for registration assistance, please contact:  
 Jessica Walgenbach: E-mail: [jwalgenbach@nrmca.org](mailto:jwalgenbach@nrmca.org) | Telephone: (240) 485-1152.

## Sustainability Assessment of Pavement Systems

**THURSDAY, SEPTEMBER 18, 2014** (2 hours)

1:00 pm - 3:00 pm (EST) | Noon - 2:00 pm (CST) | 10:00 am - Noon (PST)

**Webinar Moderator:** Kurt Smith, *Applied Pavement Technology*  
**Webinar Moderator:** Tom Van Dam, *NCE* Steve Muench, *University of Washington*  
 John Harvey, *University of California* Amian Mukherjee, *Michigan Tech University*  
 Steve Gillen, *Illinois Tollway*

- Webinar Outline:**
- PART 1: Sustainability state of affairs
  - PART 2: Sustainability rating systems for roads
  - PART 3: Current and future uses of life cycle assessment
  - PART 4: Project Emmissions Estimator (PE-2)—use and application
  - PART 5: Implementing sustainability within the Illinois Tollway
  - PART 6: Question and answer session

- Learning Objective:** At the end of this webinar, participants will be able to:
- Define sustainability as it relates to pavements
  - Describe sustainability rating systems and how they consider pavements
  - Understand life-cycle assessment and its use in providing insight into environmental effects
  - List initiatives being used by highway agencies in implementing more sustainable pavement solutions

The first 90 minutes of the webinar will be for presentations and the final 30 minutes will be reserved for audience questions. For more information and registration, please go to: <http://www.trb.org/main/blurbs/170994.aspx>.  
To register and for questions, please contact: Reggie Guillum: E-mail: [RGillum@nas.edu](mailto:RGillum@nas.edu).  
After registering you will receive a confirmation email containing information about joining the webinar.



## All About Concrete Pavement Joint Design & Construction

FRIDAY, SEPTEMBER 19, 2014 (2.5 hours)

1:00 pm - 3:30 pm (EST) | Noon - 2:30 pm (CST) | 10:00 am - 12:30 am (PST)

**Webinar Presenter:** Eric Ferrebee, EIT, Technical Engineer ACPA

- Webinar Outline:**
- Basic details about the reasons to joint concrete pavements, as well as joint-spacing principles.
  - Basics of saw cutting; proper curing; types of joints; examples of joint locations
  - Dowel bar and tie bar considerations; specialty joints; and the basics of sealing or not sealing joints.
  - Details for construction, including placing steel; locating and identifying dowel locations; joint forming; saw cutting, cleaning, and recommended practices for final preparation of joints (whether sealed or not sealed).
  - Details on proper header construction (formed or sawed)
  - Details on several web-based resources that can be used during the joint design/layout and construction processes.

Proper design and construction of joints are critical to both the short- and long-term quality. With that in mind, ACPA presents this comprehensive Meganar™ to provide essential information about the design and layout of joints, as well as recommended best practices in joint construction. To register, please go to: <http://www.acpa.org/jointdesignconstruction/>.

For details about other upcoming ACPA webinars and events, please follow this link: <http://www.acpa.org/upcoming-webinars-meganars-and-workshops/>.

ACPA will award **2.5 PDHs** to those wishing to complete an optional "evidence of learning exam" following the webinar.

## THESIS ABSTRACT

### Performance-Based Mechanistic-Empirical Approach to Assess Joint Sealant Effectiveness on Sustainability of Concrete Pavement Infrastructure

A Dissertation by: KEIVAN NESHVADIAN BAKHSH, PH.D., Texas A&M University School of Civil Engineering  
Chair of Committee: Dan Zollinger, Ph.D., PE

The primary purpose of sealing joints in rigid pavement is to prevent or reduce the amount of water infiltrating into pavement structure. It is well accepted that the presence of moisture in a pavement structure is a contributor to a variety of governing distress types that eventually deteriorate the pavement structure and decrease the pavement service life. Effectiveness of joint sealants to protect jointed concrete pavement against water-related distresses has been a focus of great interest recently. An experimental program was carried out on the Riverside Campus of Texas A&M University to study the effectiveness of different sealant types—to limit drainage-related infiltration of the joint under different joint openings and bonding conditions. Results confirmed that if joint seals are properly installed, they can be very effective in preventing moisture infiltration. Unsealed joints had significantly higher flow rates compared to joints with damaged sealants. The test results in this study have also demonstrated the effect of sealant proper installation on performance. Using experimental data the actual number of wet days was defined and analyzed.

**The most valuable outcome of this study... demonstration, mechanistically, of the role of joint sealing on the service life of jointed concrete pavements.**

A faulting prediction model was developed. The erosion resistance of materials, number of wet days, and traffic load were precisely defined and considered in this model. The mechanistic empirical model presented in this dissertation can effectively analyze the faulting and erosion in jointed concrete pavements. The model is capable of being calibrated for local conditions as a distinct advantage over other faulting models. The model was successfully implemented and calibrated into a computerized format. Results show that the model fits well with the field data and can be implemented for design and maintenance management purposes.

By using the model the effectiveness of sealant in pavement, sustainability can be determined. The most valuable outcome of this study is the demonstration, mechanistically, of the role of joint sealing on the service life of jointed concrete pavements. Sealants, by limiting water infiltration into the pavement sublayers, can greatly improve concrete pavement performance.

For more information, please contact: Keivan Neshvadian, Ph.D., EIT | E-mail: [Keivannb@tamu.edu](mailto:Keivannb@tamu.edu)

## CALL FOR ABSTRACTS/PAPERS DIGEST

**September 15, 2014** Due date for ABSTRACTS for the **2015 AASHTO/TRB Conference on Transportation Infrastructure Maintenance and Operations** to be held July 2015 in Des Moines, Iowa, USA. The 2015 conference will focus on Practical Innovations in Maintenance Operations and Management. Interested practitioners, administrators and researchers are invited to submit abstracts on the subject areas covered by the technical working groups (TWGs) to the Transportation Research Board at [MMC@nas.edu](mailto:MMC@nas.edu). For an article on this Call for Abstracts, please see page 6 of the June Newsletter: <http://www.concretepavements.org/Membership/Newsletter/JUNE2014Newsletter.pdf>.



**September 15, 2014** Due date for PAPERS for **2014 International Conference on Transportation in Africa (ICTA 2014)** to be held December 17-19, 2014 in the capital city Accra, Ghana, Africa. Authors of accepted abstracts should forward full papers with abstract, workshop proposals, and a short biography by e-mail to: "Conference Paper Submission": E-mail: [icta2014articles@gmail.com](mailto:icta2014articles@gmail.com). Please see conference article on page 2 in the July ISCP Newsletter:

<http://www.concretepavements.org/Membership/Newsletter/JULY2014Newsletter.pdf>.

**September 26, 2014** Due date for ABSTRACTS for the **27<sup>th</sup> Biennial National Conference of the Concrete Institute of Australia** in conjunction with the 69<sup>th</sup> RILEM Week conference to be held August 30-September 2, 2015 in Melbourne, Australia. The conference theme is *Research into Practice*. To submit an abstract online, please go to: <http://concrete2015.com.au/call-for-abstracts/>. For the website, please go to: <http://concrete2015.com.au>. Please see the article for Call for Abstracts on pages 5-6 in the July ISCP Newsletter: <http://www.concretepavements.org/Membership/Newsletter/JULY2014Newsletter.pdf>.

## CALENDAR

SEPTEMBER  
2014

### IMCYC "Construction of Concrete Pavements" Training Course

September 11, 2014, at the IMCYC Headquarters in the Federal District of Mexico City, Mexico

<http://imcyc.com/>: Click on "CURSOS 2014" (Courses 2014)

<http://www.google.com/translate?hl=en&ie=UTF8&sl=auto&tl=en&u=http%3A%2F%2Fimcyc.com>

### 8th International DUT-Workshop on Research and Innovations for Design of Sustainable and Durable Concrete Pavements

September 20-21, 2014, in Prague, Czech Republic

<http://www.citg.tudelft.nl/.../road%20and%20railway%20engineering>



### 12<sup>th</sup> International Symposium on Concrete Roads

"Innovative Solutions – Benefiting Society" Organized by EUPAVE

September 23-26, 2014, in Prague, Czech Republic

<http://www.concreteroads2014.org>

### ASOCRETO Concrete Meeting "EXPO RC 2014" & Specialized Pre Events

September 23-26, 2014, in Colombia, South America

Specialized Pre-Events: [http://www.asocreto.org.co/programa\\_rc2014/pre-eventos\\_en.html](http://www.asocreto.org.co/programa_rc2014/pre-eventos_en.html).

Home page of the conference: [http://www.asocreto.org.co/principal\\_rc2014/index\\_en.html](http://www.asocreto.org.co/principal_rc2014/index_en.html).

### IMCYC "Evaluation of Concrete Pavements" Training Course

October 9, 2014 at the IMCYC Headquarters in the Federal District of Mexico City, Mexico

<http://imcyc.com/>: Click on "CURSOS 2014" (Courses 2014)

<http://www.google.com/translate?hl=en&ie=UTF8&sl=auto&tl=en&u=http%3A%2F%2Fimcyc.com>

### One-day Workshop: "2<sup>nd</sup> Workshop on Concrete Pavement Design" AND "5<sup>th</sup> Iberoamerican Congress Concrete Pavement Conference"

October 21-24, 2014 in Cancun, Mexico

Hosted by: Asociación Mexicana de Investigadores de Comunicación, A.C. (AMIC)

and the Federación Iberoamericana del Hormigón Premezclado (FIHP)

<http://www.hormigonfihp.org>

### IMCYC "Repair, Rehabilitation and Preservation of Concrete Pavements" Training Course

November 13, 2014, at the IMCYC Headquarters in the Federal District of Mexico City, Mexico

<http://imcyc.com/>: Click on "CURSOS 2014" (Courses 2014)

<http://www.google.com/translate?hl=en&ie=UTF8&sl=auto&tl=en&u=http%3A%2F%2Fimcyc.com>

### 2014 International Conference on Construction Materials and Structures

November 24-26, 2014, in Johannesburg, South Africa

<http://www.iccmats-wits.co.za/Intro.html>

### ACPA 51<sup>st</sup> Annual Meeting

December 2-5, 2014, at the Hyatt Regency Resort and Spa at Gainey Ranch, in Scottsdale, Arizona, USA

<http://events.acpa.org>

### TRB 94<sup>th</sup> Annual Meeting

January 11-15, 2015,

at the Marriott Wardman Park, Omni Shoreham and Washington Hilton Hotels

<http://www.trb.org/Calendar/Blurbs/168391.aspx>

### World of Concrete— Exhibits & Concrete Seminars

February 2-6, 2015 in the Las Vegas Convention Center, Las Vegas, Nevada

<http://www.worldofconcrete.com>

### WCPA Annual Concrete Pavement Workshop

February 10-12, 2015, at the Oshkosh Premiere Waterfront Hotel in Oshkosh, Wisconsin

<http://www.wisconcrete.org/events.html>

For events in 2015 and beyond, please go to:

<http://www.concretepavements.org/calendar.htm>.

OCTOBER  
2014

NOVEMBER  
2014

DECEMBER  
2015

JANUARY  
2015

FEBRUARY  
2015



Find us on:  
[www.facebook.com/  
concretepavements](http://www.facebook.com/concretepavements)



<http://www.linkedin.com/home>

Questions?  
Please contact  
moderator Jeff Roesler  
[jroesler@illinois.edu](mailto:jroesler@illinois.edu)



The ISCP Newsletter is produced monthly by:  
Editor-in-Chief & Art Director: **Amy M. Dean** [newsletter@concretepavements.org](mailto:newsletter@concretepavements.org)

ISCP would like to thank

**Robert Rodden**, Senior Director of Pavement Technology-ACPA;

**Bill Davenport**, Vice-President Communications-ACPA;

**CP Tech Center Newsletter Staff: Sabrina Shields-Cook**, Editor CP Tech; **Steve Klocke**, Snyder and Associates; and **Dale Harrington**, Snyder and Associates; **Dan Zollinger**, Ph.D. PE, Texas A&M University; and **EUPAVE** for contributions to this issue.

ISCP invites members and friends to submit articles and calendar items future issues to:  
[newsletter@concretepavements.org](mailto:newsletter@concretepavements.org).

ISCP President: **Neeraj Buch**, Ph.D. [president@concretepavements.org](mailto:president@concretepavements.org)

Vice-President: **Jeff Roesler**, Ph.D., PE [vice-president@concretepavements.org](mailto:vice-president@concretepavements.org)

Secretary/Treasurer: **Jake Hiller**, Ph.D. [secretary-treasurer@concretepavements.org](mailto:secretary-treasurer@concretepavements.org)

Please visit the **ISCP Website** at [www.concretepavements.org](http://www.concretepavements.org) for more information about ISCP.