



# INTERNATIONAL SOCIETY FOR CONCRETE PAVEMENTS

ISCP e-NEWSLETTER  
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## ORGANIZATIONAL MEMBERS & MAJOR EVENT SPONSORS:



## ISCP NEWS

### ISCP is Now on Twitter!



ISCP can now be found on Twitter. Please follow ISCP at: @ConcPaveSociety. To join Twitter and follow ISCP, please go to: <https://twitter.com/ConcPaveSociety>.

### ISCP's Annual Board Meeting to be Held at TRB in January

ISCP members and guests are invited to attend the ISCP Annual Membership Business Meeting, to be held on Saturday, January 10, 2015 from 17h30 to 20h30 (5:30pm-8:30pm) Eastern Standard Time (EST) in the Marriott Marquis Hotel (Room: Liberty Salon L on Meeting Level 4) near the D.C. Convention Center in Washington, D.C., USA. The meeting will be held in conjunction with the Transportation Research Board 94<sup>th</sup> Annual Meeting (TRB).



A complete agenda will be posted on the ISCP website one week prior to the meeting. Refreshments will be available in the meeting room.

For a map and hotel information, please go to: <https://www.google.com/maps/place/Marriott+Marquis+Washington,+DC/@38.903599,-77.024744,15z/data=!4m2!3m1!1s0x0:0x16e85cf5a8a5fdce>.

For more information please go to the ISCP webpage: [www.concretepavements.org](http://www.concretepavements.org).



### Call for Papers for ISCP's 11<sup>th</sup> ICCP 2016

ISCP's 11<sup>th</sup> International Conference on Concrete Pavements (11<sup>th</sup> ICCP) will be held in San Antonio, Texas, USA, August 28-31, 2016. The 11<sup>th</sup> ICCP theme is:

**"Concrete Pavements: Thinking Bigger, Thinking Better"**

Potential authors are invited to submit an abstract or letter of intent by **April 30, 2015**. Potential Exhibitors are encouraged to complete a Call for Papers response form indicating their interest in receiving an exhibition registration package when they become available.



For the brochure of the Announcement and First Call for Papers, please go to: <http://www.concretepavements.org/11thiccip/>.

For questions and more information, please contact: Leif Wathne, 11<sup>th</sup> ICCP Conference Chair: E-mail: [lwathne@acpa.org](mailto:lwathne@acpa.org) | Phone: 847.966.2272.

For the Announcement and First Call for Papers article, please go to: <http://www.concretepavements.org/Membership/Newsletter/SEPTEMBER2014Newsletter.pdf>.

**IMPORTANT DATES:**  
**April 30, 2015**  
 Letters of intent/abstracts  
**May 31, 2015**  
 Approval of abstracts  
**September 30, 2015**  
 Completed papers due for review  
**December 15, 2015**  
 Reviews completed and authors notified  
**January 30, 2016**  
 Submittal of revised papers for re-review  
**February 28, 2016**  
 Authors notified  
**April 30, 2016**  
 "Camera-ready" papers: electronic versions due

## INDUSTRY NEWS

### The Instituto Mexicano del Cemento y del Concreto, A.C (IMCYC) Releases Training Calendar

IMCYC has released their 2015 training calendar: [http://www.imcyc.com/ensenanza/cursos\\_2015.html](http://www.imcyc.com/ensenanza/cursos_2015.html). 1

## EUPAVE Names a New Secretary General



In its continued drive to step up the activities of the organization, the European Concrete Paving Association (EUPAVE) is pleased to announce that Karl Downey has begun as Secretary General part time at EUPAVE, as of October 2014. Mr. Downey, *Sustainable Construction Manager at The European Cement Association (CEMBUREAU)*, is an Irish national with a degree in Mechanical Engineering from the University College Dublin. He has worked at CEMBUREAU since 2011—covering European Union (EU) issues of importance such as sustainability, energy efficiency in buildings, and standardization. He is an active member of "The Concrete Initiative". Luc Rens and Özlem Aslan continue in their current roles of EUPAVE Managing Director and Technical Manager respectively. The addition of Mr. Downey brings added value to EUPAVE.

## CALL FOR ABSTRACTS

### ASCP Announces First Call for Abstracts for the Concrete Pavements Conference 2015 to be Held in Sydney, Australia

The Australian Society of Concrete Pavements (ASCP) announces the first call for abstracts for the biannual ASCP Concrete Pavements Conference 2015, to be held July 20-21, 2015 at the Breakfree Aanuka Beach Resort, Coffs Harbour NSW, in Sydney, Australia. Expressions of interest for submission of papers are now invited **by December 15, 2014**. An expression of interest need only be brief and should include:

- Proposed title of the paper
- Proposed author(s)
- 1-2 paragraphs outlining the principal content/conclusions of the paper.

The Conference scope has been widened to include concrete pavement topics, pavement support aspects, especially earthworks, as well as drainage and soft soil issues.

The ASCP Concrete Pavements Conference aims to bring new information to the Australian industry. Preference will be given to papers which present new developments, new research, and improvements on past procedures and practices. ASCP seeks to include many of the following:

Concrete road pavements  
Drainage  
Concrete pavements for rail  
Recycling of concrete pavements  
Pavement construction  
Two layer paving  
Concrete road pavement noise  
Lessons learned from the past

Earthworks for pavement support  
Concrete pavements for airports  
Soft soil considerations  
Pavement design  
Concrete pavement maintenance  
Pavement equipment  
Retrofitting of dowels

Concrete port pavements  
Piling  
Heavy duty industrial pavements  
Recycled materials  
Pavement materials  
Joints and sealants  
Concrete overlays

To submit an expression of interest for submission of papers, please send an e-mail to the ASCP Executive Director **by December 15, 2014**: [exec@concretepavements.com.au](mailto:exec@concretepavements.com.au).

For paper topics and ASCP National Executive contacts, please see the call for papers PDF: <http://www.concretepavements.com.au/Documents/ASCP%20Conference%20-%20Call%20for%20papers.pdf>.

## CONFERENCES & WORKSHOPS

### PRESENTATIONS Now Available Online for: 5<sup>th</sup> Iberoamerican Congress Concrete Pavement FIHP Conference & AMIC 25<sup>th</sup> Anniversary

Presentations are now available from the Asociación Mexicana de Investigadores de Comunicación, A.C. (AMIC) and the Federación Iberoamericana del Hormigón Premezclado (FIHP):

The pre-conference Workshop "2<sup>nd</sup> Workshop on Concrete Pavement Design" and "5<sup>th</sup> Iberamerican Congress Concrete Pavement Conference".

The one-day Workshop was held in Guadalajara, Jalisco, Mexico on Tuesday, October 21, 2014. ISCP's Robert Rodden, *ISCP Director, ACPA* and Juan Pablo Covarrubias, *ISCP Board Member, TCPavements*, gave presentations and demonstrated both StreetPave<sup>®</sup> and OptiPave<sup>®</sup> software.

The 5<sup>th</sup> Iberamerican Congress Concrete Pavement Conference was held consecutively October 22-24, 2014 in Cancun, Mexico. The conference hosted international speakers, including Shiraz Tyabji, *ISCP member and Past President*, and Juan Pablo Covarrubias, *ISCP Board Member, TCPavements*. For the Conference presentations, please go to: <http://www.hormigonfihp.org/cacun-2014/>.



Encuentro Nacional de la Industria del Concreto Premezclado

A third event throughout the Cancun conference hosted presentations as well: The Asociación Mexicana de la Industria del Concreto Premezclado A.C. (AMIC) celebrated "25 años celebrando el Encuentro que ha unido y fortalecido a la Industria del Concreto y la Construcción" (25 years uniting and strengthening the concrete industry and construction). Over one hundred (100+) delegates attended the presentations of AMIC's 25<sup>th</sup> Anniversary. For the presentations from the AMIC 25<sup>th</sup>, please go to:

<http://www.amicp.org.mx/index.php/evento/2014/25-encuentro-conferencias>.

For more information, please go to: <http://www.maaseventos.com/encuentroamic/>.



Shiraz Tyabji, *ISCP Member & Past President during Conference in Cancun*





## Carolinas Concrete Paving Association Held Concrete Pavement Conference & Presented a New Award



The Carolinas Concrete Paving Association (CCPA), in partnership with the North Carolina Department of Transportation (NCDOT), held its bi-annual "North Carolina Concrete Pavement Conference" October 28-29, 2014 in Charlotte, NC, USA. Greg Dean, *CCPA Executive Director, ISCP Member*, utilized the NCDOT/CCPA rigid pavement committee to develop the conference agenda. Mike Holder, *Chief Engineer-NCDOT*, welcomed 150 attendees and 18 speakers during the opening-day luncheon. He outlined NC Governor Pat McCrory's "25-Year Vision" for transportation stating that the concrete pavement industry is a valued partner to the DOT.

The conference showcased modern Portland Cement Concrete Pavement (PCCP) paving practices for future long-lasting, economical and sustainable pavements. The speaker topics included:

- Concrete Overlays-New Overlay Guide
- Bonded Concrete Overlays of Asphalt (BCOA)-Design Tool & Examples
- Oklahoma's Use of Fabrics in Overlays and PCCP Designs
- Improved Aggregate/Concrete Specifications for Enhanced Durability
- New NCDOT Life Cycle Cost Analysis (LCCA)
- Fly Ash for Enhanced Concrete Durability
- Minnesota DOT's (MnDOT's) Use of Incentives for Paving
- Latest in Concrete Textures
- Diamond Grinding Use in North Carolina
- PCCP/Granular Aggregate Base (GAB) Combinations for Lower-Volume Routes

Preceding the conference, the CCPA, in coordination with American Concrete Pavement Association-SE Chapter (ACPA-SE) and Portland Cement Association-SE Region (PCA-SE), presented the first-ever "Good Roads Advocate Award". The Award was presented to North Carolina Representative John Torbett, *District 108*. He received this award for his leadership in ensuring "Good Roads" through improving construction quality and fiscal accountability.

Other ISCP Members who participated were Speaker, Julie Vandebossche, *Associate Professor of Geotechnical and Pavement Engineering, University of Pittsburgh*; and John Depman, *Penhall Company*.

To review the "NC 25-Year Vision" in a PDF, please go to:  
<http://www.ncdot.gov/ncvision25/>.  
For conference information, please contact:  
Greg Dean: e-mail: [gdean@pavementse.com](mailto:gdean@pavementse.com)  
or Roger Faulkner, *PCA-SE Executive Director*: e-mail: [rfaulkner@cement.org](mailto:rfaulkner@cement.org)



## 2 Workshops Held in Mexico City, Mexico

The Instituto Mexicano del Cemento y del Concreto, A.C (IMCYC) hosted two workshops titled "Construction of Concrete Pavements" and "Evaluation of Concrete Pavements" on October 30 and 31, 2014 in Mexico City, Mexico.

The "Construction of Concrete Pavements" Workshop hosted 35 participants and presentations were directed by Robert Rodden, *Executive Director-ISCP* and *Senior Director of Pavement Technology-ACPA*, and included:

- Pre-Paving Considerations
- Photos and Discussion on International Paving Projects
- Innovations in Concrete Pavement Construction
- Roadway Paving Operations
- Other Concrete Paving Operations

Eng. Alejandro Vázquez Maldonado, *IMCYC Consultant and Professor*, presented:  
• SCT Standards Applied to the Construction Concrete Pavements".

The "Evaluation of Concrete Pavements" Workshop hosted 26 participants. Presentations included:



PHOTOS:

Julie Vandebossche

Greg Dean

Gus Ward, *CCPA Chair, Titan America/Roanoke Cement*;  
John Torbett, *Award Winner, NC Representative*; and Greg Dean



- Concrete Pavement Construction and Performance Distress Types
- Data Collection Techniques on Project and Network Levels
- Measurement Results and What They Mean, Typical Ranges, and Trigger Values/Action Levels
- Using Performance Measures in Design
- Estimating Remaining Service Life
- Tying the Cycle of Design, Construction and Performance Together

**PHOTOS:**

Robert Rodden,  
ISCP Director, ACPA

For presentations from each workshop, please go to: [http://robertrodde.com/pres/14\\_10\\_30.pdf](http://robertrodde.com/pres/14_10_30.pdf) and [http://robertrodde.com/pres/14\\_10\\_31.pdf](http://robertrodde.com/pres/14_10_31.pdf).



# INDUSTRY RESOURCES

## IMCYC Dedicates October Magazine Issue to Concrete Pavements & Modernization of Roads in Mexico

IMCYC dedicated their October 2014 issue of their magazine, "Construcción Y Tecnología Concreto", to concrete pavements and modernization of roads in Mexico. Concrete and Construction Technology issue specializes on cement and concrete Journal of the Mexican Institute of Cement and Concrete AC. To view this publication, please go to: <http://issuu.com/imcyc/docs/octubre>.

## Factors Influencing Drying Shrinkage: Literature Review

The Institute for Transportation at Iowa State University has released a report that summarizes the literature about factors influencing the drying shrinkage of concrete titled: *Concrete Pavement Mixture Design and Analysis (MDA): Factors Influencing Drying Shrinkage*.

Concrete shrinkage can be separated into different forms, depending on the mechanisms causing it. These include plastic shrinkage, chemical shrinkage (autogenous shrinkage), and drying shrinkage (Tia et al. 2005). In addition, shrinkage can be considered over early and over later ages, that together, contribute to the total shrinkage. Early age of shrinkage is normally defined as that occurring during the first day after batching, while long-term refers to concrete at 24 hours and older. All of these shrinkage mechanisms are related to water movement. Water can exist in many forms—interlayer water, capillary water, and physically adsorbed water—in hydrated cement paste and is classified based on the ease with which it can be removed from the paste. Water in the larger voids (>50 nm) is considered to be "free water" because its removal does not result in volume change. This literature focuses on factors influencing drying shrinkage of concrete. Although the factors are interrelated, they can be categorized into three groups:

- Paste Quantity
- Paste Quality
- Other Factors: Aggregate, Air Content, Curing, and Environment and Construction Practice

To read the report and download the PDF, please go to: <http://www.trb.org/main/blurbs/171599.aspx>.

## ICPA-Argentina Releases FREE New Spanish Publication

Instituto del Cemento Portland Argentino (ICPA Argentina) has recently released an exceptional (and FREE!) Spanish-language Manual for Design and Construction of Concrete Pavements: *Manual de Diseño Y Construcción De Pavimentos De Hormigón*.

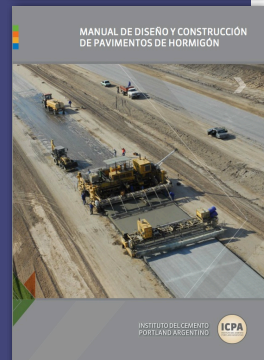
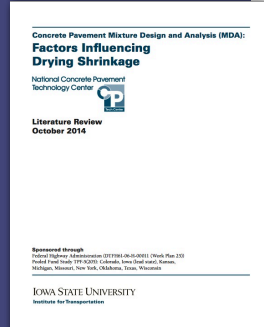
To register at the ICPA website and to download the guide, please go to: <http://www.icpa.org.ar/index.php?IDM=193&mpal=12&alias=Manual-Pavimentos-de-Hormigon>. **ICPA will be hosting a workshop on the guide in February 2015.**



## EUPAVE Recently Published 3 Position Papers Green Public Procurement for Road Construction

EUPAVE supports and is actively participating in the revision of the Green Public Procurement (GPP) criteria for road construction. A correct evaluation can only be done through a complete life-cycle assessment, including the use and operational phase of the pavement's service life. The basic concept of GPP relies on having clear, verifiable, justifiable and ambitious environmental criteria for products and services, based on a life-cycle approach and scientific evidence base. EUPAVE is an industrial stakeholders involved in the study and wishes to draw attention to the following viewpoints:

- Holistic Approach
- Life Cycle Costing
- Alternate Bidding
- Noise





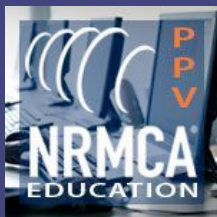
the conclusion of the course.

**Webinar Facilitator:** Gus Gonzalez, *Safe-T-at Work, LLC*

**Learning Objectives:** Participants who successfully complete this webinar will be able to:

- Identify potential safety hazards in your precast plant
- Apply techniques and implement programs to improve plant safety
- Lead toolbox talks on safety topics
- Develop action plans to address plant safety concerns

For more information and registration, please go to: <http://precast.org/2014webinars/>.



## Optimizing Fly Ash Concrete

ON DEMAND (1.5 hours)

**Webinar Presenter:** Karthik Obla, Ph.D., P.E., FACI, *Vice President, Technical Services NRMCA*

**Webinar Overview:** What is the right amount of fly ash to use in concrete?

Is as much as possible the right answer?

What does the Code say?

What do the specifications say?

What happens to concrete performance with increasing fly ash?

What about cost savings?

What is the producer's perspective?

What is the engineer's perspective?

**Pricing:** \$50

**To access, register, purchase and view the video online, please go to:**

[http://nrmca.org/Education/Online\\_Learning/Webinars/Topics\\_Technical.htm](http://nrmca.org/Education/Online_Learning/Webinars/Topics_Technical.htm).

For questions, please contact: Karthik Obla | E-mail: [kobla@nrmca.org](mailto:kobla@nrmca.org)

## CALL FOR ABSTRACTS/PAPERS DIGEST

**December 14, 2014** Due date for the expressions of interest for submission of papers for the bi-annual **ASCP Concrete Pavements Conference 2015**, to be held July 20-21, 2015 at the Breakfree Aanuka Beach Resort, Coffs Harbour NSW, in Sydney, Australia. Please send an e-mail to ASCP Executive Director **by December 15, 2014:** E-mail [exec@concretepavements.com.au](mailto:exec@concretepavements.com.au). For paper topics and ASCP National Executive contacts, please see the call for papers PDF: <http://www.concretepavements.com.au/Documents/ASCP%20Conference%20-%20Call%20for%20papers.pdf>.

**April 30, 2015** Due date for abstracts and letters of intent for the **11<sup>th</sup> International Conference on Concrete Pavements (11<sup>th</sup> ICCP)** to be held in San Antonio, Texas, USA, August 28-31, 2016. The conference theme is: "Concrete Pavements: Thinking Bigger, Thinking Better". All potential authors are invited to submit a letter of intent or abstract. For the Announcement and First Call for Papers brochure, please contact Leif Wathne, *11<sup>th</sup> ICCP Conference Chair*: E-mail: [lwathne@acpa.org](mailto:lwathne@acpa.org) | Phone: 847.966.2272 Fax: 847.966.9970. For further information, please go to: [www.concretepavements.org](http://www.concretepavements.org).

## CALENDAR

DECEMBER  
2015

### 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>

JANUARY  
2015



### ISCP Annual Membership Business Meeting

Saturday, January 10, 2015 from 5:30-8:30pm (EST), at the Marriott Marquis Hotel (Room: Liberty Salon L on Meeting Level 4), Near the D.C. Convention Center in Washington, D.C., USA.  
For a map and hotel information, please go to: <https://www.google.com/maps/place/Marriott+Marquis+Washington,+DC/@38.903599,-77.024744,15z/data=!4m2!3m1!1s0x0:0x16e85cf5a8a5fdce>

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

January 11-15, 2015, at the Walter E. Washington Convention Center, Washington, D.C.  
<http://www.trb.org/meeting>

FEBRUARY  
2015

### 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 June 2015 and beyond, please go to:  
<http://www.concretepavements.org/calendar.htm>



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

Questions? Please contact  
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### The ISCP Newsletter is produced monthly by:

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ISCP would like to thank

**Leif Wathne**, *ISCP Director, 11<sup>th</sup> ICCP Conference Chair, ACPA-Washington, D.C.; PCA; and EUPAVE*

ISCP invites members and friends to submit articles and calendar items future issues to:  
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Please visit the **ISCP Website** at [www.concretepavements.org](http://www.concretepavements.org) for more information about ISCP.

Maps, globes: National Geographic Family Reference Atlas of the World ©2002 National Geographic Society, Washington, D.C. All additional sources noted on perspective pages.