



INTERNATIONAL SOCIETY FOR CONCRETE PAVEMENTS

ISCP e-NEWSLETTER
VOLUME 11, NUMBER 2
FEBRUARY 2014

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ORGANIZATIONAL MEMBERS & MAJOR EVENT SPONSORS:

50th AMERICAN CONCRETE PAVEMENT ASSOCIATION

CEMENT Association of Canada / Association Canadienne du Ciment

CEMEX

CIMA Partenaire de génie

CRSI

FEDERAL AVIATION ADMINISTRATION

FUGRO

GENIVAR

Holcim

ICH Instituto del Cemento y del Hormigón de Chile

National Concrete Pavement Technology Center

NPCA

ONTARIO CANADA

PCI Precast/Prestressed Concrete Institute

Transports Québec

UCPRC

Wirtgen

INDUSTRY NEWS, RESOURCES & WEBINARS

Become a World Road Association (PIARC) Member & Benefit from "Routes/Roads" Online Magazine



The electronic version of the latest issue of Routes/Roads N° 361 (first quarter 2014) is available online.

Issue N° 361 is dedicated to Winter Maintenance, as a dedication to the *PIARC XIVth International Winter Road Congress*, held in Andorra February 4-7, 2014. It includes an editorial by Hirofumi OHNISHI, Strategic Theme Coordinator for Theme 2 (ST2), "Access and Mobility", and eight (8) articles chosen among the best papers presented at the Andorra Congress, on the various topics. Also featured are reports from the Association's latest activities.

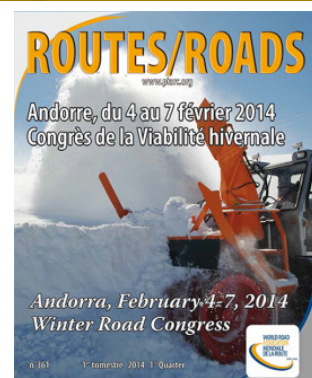
This immediate and exclusive access online to the latest issue of Routes/Road Magazine is reserved exclusively to members of the Association and subscribers to Routes/Roads.

To become a Member of the World Road Association, please go to: <http://www.piarc.org/en/subscribe.qualify.htm>.

To subscribe to the Routes/Roads online Magazine, please go to: <http://www.piarc.org/en/routes-roads-form.htm?print>.

To access the Routes/Roads N° 361 online, please go to: <http://www.piarc.org/en/publications/Routes-Roads-Magazine/>. Please send comments and suggestions via e-mail to: info@piarc.org.

The World Road Association (PIARC) was established in 1909. It brings together the road administrations of 120 governments and has members - individuals, companies, authorities and organizations - from over 140 countries.



PIARC was established in 1909. It brings together road administrations of 120 governments & has members from over 140 countries

American Concrete Pavement Association (ACPA) Unveils National RCC Explorer App

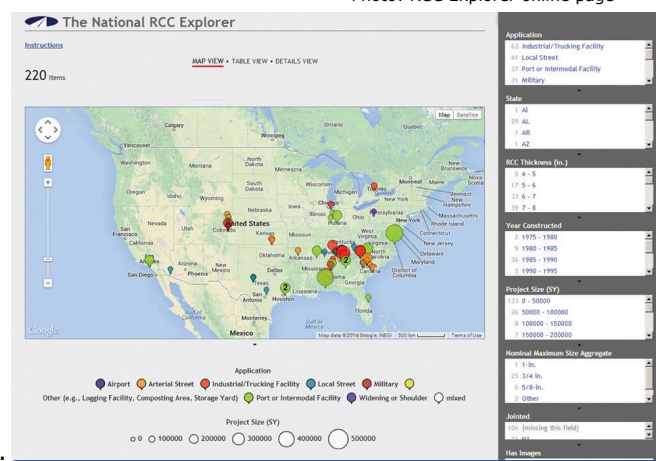


ACPA has unveiled the National roller-compacted concrete (RCC) Explorer - a free, web-based resource for viewing and analyzing RCC pavements throughout North America.

The RCC Explorer is a dynamic web application (app) that offers details about current RCC projects for owners/agencies, contractors, engineers/designers, material and equipment suppliers, and others with an interest in this rapidly expanding technology. The National RCC Explorer offers to date: 259 projects, instructions, a map view, a table view, and a details view.

To go to the RCC Explorer app, please go to: <http://rcc.acpa.org/webapps/rccexplorer/index.html>.

Photo: RCC Explorer online page



ACPA Announces Two New Web-Based Training Events



ACPA announces **two upcoming web-based training events**. Please read the course descriptions, then be sure to follow the links below for registration and additional details.

The Impact & Considerations of Electronic Discovery on Construction Disputes & Litigation

Wednesday, February 26, 2014

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

This is an important webinar for contractors (owners and other management personnel), consultants, service businesses, and others who interact with contractors.

Webinar Presenter: Brandon G. Hummel, Leo & Weber, P.C. Law Firm Associate

PDH Credits
ACPA awards 1 Professional Development Hour (PDH) to those wishing to complete an optional "evidence of learning exam" following the webinar.

Participants interested in earning PDH's are urged to check with their local licensing authorities to determine the acceptance of this course prior to registration.

This webinar begins with an overview that examines both the complexities and requirements of proper handling and retention of electronically-stored information (ESI) by contractors and others in the construction trades, all in the context of how this information is used in complex legal actions. The presentation covers why attorneys and clients - particularly in the construction industry - must understand what their discovery obligations are, and what the ramifications are for not doing so. The webinar also will address document retention policies, as well as the obligations contractors, consultants, and third parties have in this area, as well as what the roles and responsibilities are for collecting and managing ESI when legal actions do arise.

For registration, please go to: https://netforum.avectra.com/eweb/DynamicPage.aspx?Site=ACPA_ORG&WebCode=EventList&FromSearchControl=Yes.

For fees and all other information, please go to:

http://www.pavement.com/Events_and_Programs/Education_and_Training/index.asp

Free Webinar: Inside the ACPA Digital Toolbox

Thursday, March 13, 2014

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

Webinar Presenters: Robert Rodden, P.E., *ACPA Director of Technical Services and Product Development*
Andy Gieraltowski, *ACPA Vice President of Operations & Information Technology*

ACPA members, Chapter/State affiliates, and allies of the association are invited to participate in a brief webinar to explore the many digital products offered by the association. ACPA will provide an overview of the reasons why ACPA has been developing so many digital solutions.

Webinar Outline:

1. Preview of the new ACPA (main) website, scheduled to debut later this year.
2. Preview of the new ACPA "wiki" resource.
3. A closer look at the ACPA applications library, including a look at several popular apps. Also, a closer look at ACPA's newest web-based resource, *the National RCC Explorer*.
4. Review of ACPA's software programs and the new ways of delivering these powerful tools.
5. Detailed look at the online "Resources" portal, which contains thousands of documents from ACPA, as well as partner organizations, including Cement Association of Canada, CP Tech Center, FHWA, IGGA, MIT, PCA, and more!
6. Live training and on-demand training will be key parts of this presentation as ACPA showcases webinars, on-demand training, and ACPA/FHWA learning management systems.
7. A preview of how ACPA will be changing the way it reports news and events while continuing to develop tools for the digital age.
8. A brief look at ACPA's social media channels: "follow" or "like" ACPA on Twitter, Facebook, etc.

Administrative Notes: This webinar is **FREE**, but you must complete a simple registration to gain access. To register, please go to: <https://acpa.webex.com/acpa/onstage/g.php?d=666660438&t=a>.

Look for the **registration button**.

Enter the **password "digital"** (password is case sensitive) and follow the instructions on the screen.

Government Employees: For each webinar, must contact ACPA to receive the government discount:

Debbie Becker: E-mail: dbecker@acpa.org | Phone: 847.423.8710
(Wednesday, Thursday and Friday, 7:30 am to 4:30 pm CST).
Elizabeth Rodden: E-mail: erodden@acpa.org | Phone: 847.423.8702
(Wednesday and Friday (7:30 am to 4:00 pm))

TRB's SHRP 2 Tuesdays Webinar: "Real-Time Smoothness Measurements on Portland Cement Concrete Pavements During Construction (RO6E)"

Tuesday, March 25, 2014

1:00 pm to 2:30 pm (CST) | 2:00 pm to 3:30 pm (EST) | 11:00 am to 12:30pm (PST)



The first 60 minutes of the webinar will be for presentations, and the final 30 minutes will be reserved for audience questions. This webinar will summarize the SHRP 2 project "Real-Time Smoothness Measurements on Portland Cement Concrete Pavements During Construction (RO6E). There is no fee to attend this webinar or other webinars in the SHRP 2 Series; however, participants must register in advance.

The SHRP 2 project evaluated the "GOMACO Smoothness Indicator" and the "Ames Engineering Real-Time Profiler" during pavement projects in Georgia, Arkansas, Texas, Michigan, and New York, USA. The project then developed model specifications and construction guidance to expedite the implementation of such technologies.

Webinar Presenters: Robert Otto Rasmussen, *The Transtec Group, Inc.*

Gary Fick, *Trinity Construction Management Services, Inc.*

Stephen Cooper, *Federal Highway Administration (FHWA)*

Evan Rothblatt, *American Association of State Highway and Transportation Officials (AASHTO)*

Webinar Moderator: Andrew Horosko, *Transportation Research Board*

Webinar Outline:

PART 1: Brief overview of the SHRP 2 mission, objectives of the Renewal focus area, and related SHRP 2 research

PART 2: Results from the evaluations, as well as the model specifications and construction guidance that were subsequently developed

PART 3: FHWA's perspective on implementation strategies, tactics, and opportunities

PART 4: AASHTO's perspective on the project

PART 5: Question and answer session

After registering, you will receive a confirmation email containing information about joining the webinar. SHOULD THE ABOVE "REGISTER NOW" BUTTON NOT WORK PROPERLY, PLEASE GO TO THE FOLLOWING WEBSITE: <http://www.trb.org/Calendar/Blurbs/170327.aspx>

PDH Credits:
A certificate for 1.5 Professional Development Hours (PDH) will be provided to attendees who register and attend the webinar as an individual.

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Individuals who are registered as a Florida P.E. are required to send an email, with their license number to: Reggie Gillum | E-mail: RGillum@nas.edu | Questions? Please e-mail Reggie Gillum

To register and view the Webinar Learning Objectives, please go to: <http://www.trb.org/StrategicHighwayResearchProgram2SHRP2/Blurbs/170327.aspx>.

To download the PDF of the project report, please go to: <http://www.trb.org/Main/Blurbs/167282.aspx>. For notices about upcoming webinars, please subscribe to the TRB Transportation Research E-Newsletter at: <http://www.trb.org/Publications/PubsTRBENewsletter.aspx>.

Publication: "Evaluation of Long-Term Pavement Performance & Noise Characteristics of the Next Generation Concrete Surface"



The Washington State Department of Transportation (WSDOT) has released a report that documents the performance of its first Next Generation Concrete Surface (NGCS) built by the WSDOT. A 457-m (1,500-ft.) test section was installed on the eastbound lanes of I-82 near Sunnyside, Washington, USA, in October of 2010. Construction began on October 4, 2010 and was completed the following day. The entire roadway had been ground previously using conventional diamond grinding methods as part of the dowel bar retrofitting operation. This was done for two reasons:

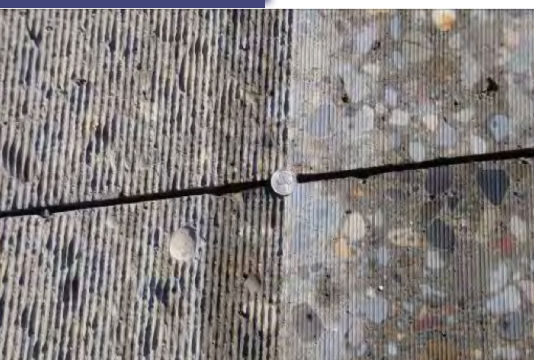
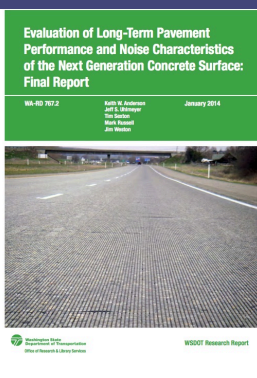
1. To restore the surface of the pavement to remove faulting.
2. To lessen the blade wear on the flush grinding head used for the first pass of the NGCS installation.

Photo shows comparison of the pavement surfaces after conventional diamond grinding and the first pass of the NGCS with the fine grinding head. The final surface of the NGCS had flat, smooth land areas separated every 1.27 cm (1/2 inch), by grooves that were .32 cm to 1.6 cm (1/8 to 3/8 inches) deep.

The contractor used three grinding machines on the project and reported no difficulties accomplishing the work of installing the NGCS. The project office indicated in January of 2011 that the State Patrol had received no complaints regarding the NGCS. Installation and operating characteristics of the NGCS seem to be in line with other such installations reported in the literature.

To read the entire report, please download the pdf at: <http://www.wsdot.wa.gov/research/reports/fullreports/767.2.pdf>.

Conventional diamond ground surface on the left, fine flush ground surface of the NGCS first pass operation on the right.



ACPA Mid-Atlantic Chapter News

Robert "Bob" Long, American Concrete Pavement Association (ACPA) Executive Director of the Mid-Atlantic Chapter in Richmond, Virginia (VA), USA announced that the Mid-Atlantic Chapter of the ACPA has moved to a new location. Please make note of the changes:

ACPA, Mid-Atlantic Chapter • 9701 Gayton Road, Suite 5 • Richmond, VA 23238
Phone: (804)272-6337 | Fax: (877)731-7743 | Cell: (804)513-7849

Several events and newsworthy notes that are important to ISCP and ACPA Members:

- Interviews to fill the ACPA-Maryland Chapter position have begun. Good candidates are still welcome! Please contact Bob Long with any leads.
- On January 13, 2014, ACPA hosted their annual Transportation Research Board (TRB) reception in Washington, DC. Many ACPA Chapter members supported and attended the always popular event, along with many ISCP Executives and ISCP Members.
- Recently, the Chapter co-hosted a VA Legislative Dinner in Richmond, Virginia. The annual event drew over 80 current legislators from across the state and "across the isles". The message from the industry was the need for Virginia Department of Transportation (VDOT) to use competition to ensure the best/most economical use of the new transportation funding available. The following day, VRMCA members visited their local legislators and continued to emphasize this message, reiterating the need for the use of life-cycle costing, alternate bidding and longer term fixes.

For more information, please contact Bob Long: E-mail blong@pavement.com | Phone: (804)513-7849

Portable, Modular Conveyor Plays Key Role In Chicago, Illinois, USA, Transit Authority Track Rehabilitation Project

The Chicago Transit Authority (CTA) recently rehabilitated 16.4 km (10.2 miles) of rapid transit tracks, called "The Red Line South Reconstruction Project". The CTA project was part of Chicago Mayor Rahm Emanuel's "Building a New Chicago" initiative. The 44-year-old line had exceeded its expected life and was plagued by slow zones and delays, according to the CTA. Five months later, the project - funded by the "Illinois Jobs Now!" program - delivered a brand new railroad to an estimated 80,000 daily riders, linking them between the south side and downtown in about 20 minutes.

One of the challenges of the project was that the tracks are located between the eastbound and westbound lanes of Chicago's busy Dan Ryan Expressway (Interstate 90/94). The project also involved placing more than 200,000 tons of No. 3 ballast, as well as 90,000 tons of Illinois DOT course aggregate (CA6), most of which had to be placed at night, when lane closures would be least disruptive to Chicago commuters.

The CTA contractor had to make adjustments to the equipment to clear the 1.8-m (6-ft.) barrier, which operated 1.8m to 2.4m (6 to 8 feet) away on the inside shoulders. A standard conveyor would not shoot the ballast that far. The best option was to use the E2 System's Portable Modular Conveyor. Designed by the brothers Mike and Carl Evangelista, the Portable Modular Conveyor was

The Portable Modular Conveyor was developed as a quick, easy & dependable way to place concrete in front of a Slip Form Paving Machine. 3





Conveyor shooting ballast during project

developed as a quick, easy and dependable way to place concrete in front of a Slip Form Paving Machine. Moving the 2.6-m-wide (8.5-ft.-wide) conveyor into place, as well as assembling it to its base, was made easy because of its compatibility with most manufacturers' wheel loaders and other modular equipment. Folding and travel features, controlled from the conveyor's base, also helped shorten the work of loading and unloading the equipment, as well as assembly/ disassembly from the base. The contractor stated, "The biggest advantage was the very simple, open design. We looked at other equipment with augers, multiple conveyors, and more. We were looking for answers, they had the solution."

To read the entire article on the Chicago project, please go to: <http://www.contractorshotline.com/blog/article.php?story=20140123161902180>

To learn more about the E2 Portable Systems, please go to: <http://www.materialplacer.com/>.

CONFERENCE NEWS & CALL FOR PAPERS

ISCP Members Participate in the First Latin American International Concrete Sustainability Conference, held in Medellin, Colombia



Dr. Shiraz Tayabji, *ISCP Past President* and *Applied Research Associates Senior Principal Engineer*, and Dr. Jamshid Armaghani, *ISCP Past Director* and *Global Sustainable Solutions Vice-President*, recently served as invited speakers at the First Latin American International Concrete Sustainability Conference, held in Medellin, Colombia, February 6-7, 2014. The conference was organized by the *Federation Iberoamericana del Hormigon Premezclado (FIHP)* and *The National Ready Mixed Concrete Association, USA (NRMCA)*, in conjunction with *Asocreto, Colombia*.

The conference was an expansion of the popular International Concrete Sustainability Conference and International Concrete Technology Forum hosted by NRMCA since 2006 throughout the United States and the Middle East. The Medellin conference marks the first time the conference was held in Latin America. There were over 170 participants from 17 countries and over 30 general and technical sessions. World renowned speakers presented the latest advances, technical knowledge, continuing research, tools and solutions for sustainable concrete manufacturing and construction.

Dr. Tayabji presented on "Sustainable Opportunities with Concrete Pavements", focusing on optimizing design features and construction activities to reduce the carbon footprint during the use phase of a roadway project.

Dr. Armaghani presented on "Sustainable Concrete Pavements – Opportunities in Design, Construction and Rehabilitation", focusing on case studies from Florida, USA. A highlight of the conference was a site visit to a research facility operated by *Cementos Argos, S.A.*, that seeks to develop CO₂-capturing technology based on microalgae, to be integrated in the traditional manufacturing process of clinker in order to reduce emissions of gases such as CO₂, NO_x, and SO_x, among others. *Argos* also demonstrated a prototype of a pervious concrete system integrated with excess water holding tanks underground for urban area applications.

For more information, please visit the conference website at: http://www.nrmca.org/news/pressreleases/article.asp?category_id=3&id=479.



Pervious Pavement Demonstration at the Argos Research Facility

14th COTA International Conference of Transportation Professionals (CICTP2014) to be Held July 4-7, 2014 in Changsha, China



第十四届 "COTA" 国际交通科技年会
COTA International Conference of Transportation Professionals, CICTP2014
Changsha, China
July 4-7, 2014

TRB, ASCE, World Bank, and the *Chinese Overseas Transportation Association (COTA)* are co-sponsoring the 14th COTA International Conference of Transportation Professionals (CICTP2014) to be held July 4-7, 2014, in Changsha, China. A post-conference workshop will also be held in either Beijing or Shanghai, China. The CICTP2014 is jointly organized by *Central South University*, *Chinese Overseas Transportation Association (COTA)*, and *Research Institute of Highway, Ministry of Transport, China*. The CICTP2014 proceedings will be published by ASCE, and all the proceedings papers will be indexed via the *Engineering Information (EI) Compendex*, which can be accessed worldwide.

The CICTP conference is the most influential gathering of transportation professionals in China, and regularly draws more than 1,000 attendees including hundreds of international experts. The CICTP 2014 is designed to address critical issues and challenges emerging from the development of safe, smart and sustainable multimodal transportation systems. The conference will provide a platform for exchanging and sharing of the international experiences in developing and applying innovative solutions and advanced technologies in transportation.

In addition to regular technical sessions, several plenary sessions are planned for internationally prestigious experts and scholars to discuss the state-of-the-art/practice transportation development. Other special forums will be focused on issues that are of great interest to the audience from various backgrounds, including the World Bank Transportation Development Forum, Deans' Forum for Chinese University Transportation Schools, and COTA Professional Development Forum for Young Scholars and Students, TRB Committee Chairs' Forum, Industry Forum, and Technology Exhibit.



The conference proceedings will be published by ASCE and indexed via the EI Compendex.

Selected papers from previous CICTPs have been invited to submit to special issues of SCI-indexed journals such as *IET Intelligent Transportation Systems Journal*, and *ASCE Journal of Urban Planning and Development*.

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For the conference website and for more information, please go to: <http://cictp.csu.edu.cn/en/index>
 For more information about COTA, please go to: <http://cota-home.org>.
 To present at the conference, with or without a paper, please contact by e-mail:
 Dr. Yafeng Yin: yafeng@ce.ufl.edu | Dr. Jianming Ma: mjming@gmail.com

Call for Abstracts for the DAWG Forum to be Held in Pisa, Italy April 22-25

DAWG:
an international
forum for the
discussion
of methods of
analysis of
pavement
performance data.

Briefings describing ongoing research are invited for presentation at the Forum on Pavement Performance Data Analysis that will be conducted during the 3rd International Conference on Transportation Infrastructure (ICTI 2014) to be held in Pisa, Italy, April 22-25, 2014.

The Transportation Research Board's Data Analysis Working Group (DAWG) welcomes pavement researchers and professionals to describe and discuss the methods they are using to collect and analyze pavement performance data and the observations emerging from their incomplete results. This DAWG Forum is an excellent opportunity for informal exchanges on the approaches being used and the preliminary results being obtained.

Please submit an abstract of your incomplete and ongoing work for presentation and discussion at this DAWG Forum. Abstracts should focus on activities supporting the investigation of the causes of various types of pavement deterioration, such as data collection, data analysis, interpretation of analytical results, and tentative conclusions. **There is no deadline for submission of abstracts**, and attendance is free and open to ICTI 2014 attendees. The agenda of the Forum will be developed from the abstracts received after a simple review process. Abstracts are welcome until the agenda of the forum is filled. DAWG forums may be held before, during, or after the hosting conference, so conference registrants should check the schedule of technical sessions and make travel arrangements to include attending the DAWG forum.

To download the abstract form and for information on the ICTI 2014 Conference and the DAWG Forum please go to: <http://www.icti2014.org>. Click on "Special Events".

For questions and abstract submittal, please contact:

A. Robert Raab, *TRB Senior Program Officer*, Email: rraab@nas.edu. For more information about the DAWG Forum, please go to: <http://www.trb.org/PolicyStudies/AbouttheDataAnalysisWorkingGroupDAWG.aspx>.

Abstract Deadline Extended for the 2014 FAA Worldwide Airport Technology Transfer Conference



The deadline for submitting abstracts for the 2014 FAA Worldwide Airport Technology Transfer Conference, "Innovations in Airport Safety & Pavement Technology", has now been extended until March 3, 2014.

The conference will be held August 5-7, 2014 at the Stockton Seaview Hotel in Galloway (Oceanville), New Jersey, USA. This Technology Transfer Conference, sponsored by Federal Aviation Administration (FAA) and The Richard Stockton College of New Jersey, provides a unique opportunity for airport operators, aviation consultants, construction contractors, research engineers and academic researchers to interact and exchange information.

Abstracts must be submitted by March 3, 2014. Papers and presentations are sought for all technical areas in airport safety and pavement technology including:

Airport Pavement:

Design and Evaluation
 Pavement Management
 Full-Scale and Accelerated Pavement Testing
 Construction Materials and Methods
 Case Studies

Airport Safety:

Aircraft Rescue and Firefighting (ARFF)
 Runway Surface Technology
 Visual Guidance
 Airport Wildlife Hazards
 Runway Incursion Reduction
 Planning/Design for New Large Aircraft

Please submit abstracts online at: <http://www.airporttech.tc.faa.gov/Conference/>.

For the Conference registration page, please go to: <http://EMCVenues.Meetings.cvent.com/FAA2014>.

World of Concrete 2014 Celebrates 40 Years, Presents Positive Economic Forecast, as well as Time- & Labor-Saving Products



World of Concrete 2014 (WOC2014) was held at the Las Vegas Convention Center January 21-24, 2014, celebrating 40 years in the concrete industry! WOC is the industry's annual international event providing new ways to sustain and grow businesses. WOC is

dedicated to the commercial concrete and masonry construction industries; showcasing leading industry suppliers; and featuring innovative tools, construction machinery and equipment, safety training courses, technologies and unlimited networking opportunities. Attendees included a variety of concrete contractors; construction managers; dealers/distributors, designers, specifiers, architects, engineers; producers of precast/prestress, brick/block, ready mix, and pipe/block; rental equipment centers, and more. Overall attendance at this year's event was at roughly 48,000 (a smaller crowd due to the upcoming triennial CONEXPO/CON-AGG Trade Show to be held at the same location March 4-8, 2014).

Public spending is geared toward extending the lifecycle of existing infrastructure, including roads, highways & bridges ... concrete has gained a cost-competitive edge ...

While the crowds at WOC 2014 were not quite as large as last year, there was a positive outlook from the *Portland Cement Association's (PCA's)* annual economic forecast. "We're expecting cement to grow 8% this year," said Edward Sullivan, *PCA Chief Economist*. Amid federal funding uncertainty, state and municipal transportation departments remain in a "patch and repair mode". Public spending is being geared toward



Deadline for Submission of Abstracts:
 March 3, 2014

Invitation to Prepare Draft Paper/ Presentation:
 March 17, 2014

Submission of Draft Paper/ Presentation:
 April 28, 2014

Submission of Final Paper/ Presentation:
 June 9, 2014



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Photo: WOC Facebook Page

extending the lifecycle of existing infrastructure, including roads, highways and bridges. Sullivan further stated, "Concrete has gained a cost-competitive edge for securing road maintenance work, and is now a cheaper, more cost-reliable overlay, due to high oil prices. Concrete's lifecycle efficiency is being factored into transportation departments' decisions as pressure mounts to be more responsible about public spending."



Photo: WOC Facebook Page



Photo: ENR.com

Bill Davenport, *ACPA Vice-President of Communications and ISCP Member* said, "We're seeing an uptick in concrete road overlays. Cash-strapped municipalities have pulled back on capital infrastructure spending, resulting in more preservation work." Owners are stretching budgets further by extending the lifecycle of existing put-in-place concrete roads and buildings through resurfacing, chemical additives, and patch repairs, among other things.

Gerald Voigt, *ACPA President and ISCP Member* added, "We have a constrained funding environment that has led to a preservation mode. Studies show that concrete makes for a more rigid pavement surface, improving fuel efficiency, making it more economical and efficient." Contractors streamlined staff and overhead expenses during the economic downturn. Firms relied upon technology and innovation for workforce multi-tasking and greater effectiveness to remain cost competitive.



Photo: ENR.com

Exhibitors responded by showcasing time- and labor-saving products that enable contractors to do more with less, offering a variety of equipment and products that facilitate greater multi-tasking and efficiency. Hand tool makers featured cordless mobility with more power and less downtime, and manufacturers emphasized durability, multi-functionality and safety. The 40th annual World of Concrete was a success! For more information on The World of Concrete, please go to: <http://www.worldofconcrete.com>.

Copy credit: Engineer News-Record (ENR.com) Magazine articles by Jeff Rubenstone, Tony Illia: "World of Concrete 2014 Sees Smaller Crowds But Cautious Optimism"; "World of Concrete: DOTs stuck in Patch, Repair Mode"; "World of Concrete: Products Emphasize Time, Labor Savings"

Call for Papers & Abstracts Digest

March 3, 2014 Due date for ABSTRACTS for 2014 FAA Worldwide Airport Technology Transfer Conference, "Innovations in Airport Safety & Pavement Technology", to be held August 5-7, 2014 at the Stockton Seaview Hotel in Galloway (Oceanville), New Jersey, USA. Please submit abstracts online at: <http://www.airporttech.tc.faa.gov/Conference/>. For the Conference registration page, please go to: http://EMCVenues_Meetings.cvent.com/FAA2014.

April 22-25, 2014 (NO DEADLINE) ABSTRACTS/BRIEFINGS during TRB's Data Analysis Working Group (DAWG), describing ongoing research, are invited for presentation at the Forum on Pavement Performance Data Analysis during the 3rd International Conference on Transportation Infrastructure (ICTI 2014) to be held in Pisa, Italy, April 22-25, 2014. There is no deadline, but abstracts are welcome until the agenda of the forum is filled. To download the abstract form and for more information about the DAWG Forum, please go to: <http://www.trb.org/PolicyStudies/AbouttheDataAnalysisWorkingGroupDAWG.aspx>.

UPCOMING EVENTS

APRIL
2014

International Conference on Transportation Infrastructure
April 22-25, 2014 in Pisa, Italy, <http://www.icti2014.org>.

Forum on Pavement Performance Data Analysis (DAWG Forum)
April 24, 2014 in Pisa, Italy, <http://www.icti.it/icti2014/html/specialevents.html>.

International Seminar on Sustainable Road and Green Technology
April 23-26, 2014 at the Westin Convention Hotel, Nusa Dua Bali, Indonesia
<http://www.piarc.org/en/calendar/seminars-piarc/?dt=2014-04>.

ASCE T&DI 2nd Congress
June 8-11, 2014 in Orlando, Florida, USA,
<http://content.asce.org/conferences/tdicongress2014/index.html>.

RILEM International Workshop on Performance-Based Specification and Control of Concrete Durability
June 11-13, 2014 in Zagreb, Croatia, http://www.grad.unizg.hr/rilem_psc.

14th COTA International Conference of Transportation Professionals (CICTP2014)
July 4-7, 2014, in Changsha, China, <http://cictp.csu.edu.cn/>.

2014 FAA Worldwide Airport Technology Transfer Conference
August 5-7, 2014 in Galloway (Oceanville), New Jersey, USA, <http://www.airporttech.tc.faa.gov/conference/2014TC/>.

2014 World Congress on Advances in Civil, Environmental, and Materials Research (ACEM14)
August 24-28, 2014 in Busan, South Korea, <http://acem.cti3.com/acem14.htm>.

For more events, please go to: <http://www.concretepavements.org/calendar.htm>.

Find us on:
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<https://www.facebook.com/pages/International-Society-for-Concrete-Pavements/127114450634305?ref=ts&fref=ts>

LinkedIn

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

Questions? Please contact moderator Jeff Roesler: jroesler@illinois.edu

JULY
2014
AUGUST
2014

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ISCP invites ISCP members and friends to submit articles and calendar items to the Editor-in-Chief for future issues.

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