

ISCP & INDUSTRY NEWS

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ISCP has contracted Mr. Robert Rodden, P.E., to serve as the Executive Director of the Society effective September 1, 2014. Robert graduated from the University of Illinois with a B.S. (2004) and M.S. (2006) in Civil Engineering, and is a Professional Engineer (P.E.) in the state of Illinois, USA. Robert brings significant non-profit experience in strategic planning, web development, and implementation of organizational goals to this newly created position from his eight-year tenure at the American Concrete Pavement Association (ACPA). As an ISCP member since 2007, he has been involved with our conference production and newsletter technical

editing, and is a member of the technology transfer committee. His unique skills and experience in developing platforms for technology transfer will be vital as he helps guide the Society forward.

The role of the ISCP Executive Director is to manage the day-to-day administration of the Society and coordinate its affairs and activities—especially concerning membership and technology transfer. To address these issues, Robert has drafted a 15-month strategic plan for building organizational membership participation, engaging members through web-based technology, producing webinar presentations, and promoting regional workshops. He has also generated an aggressive effort on building value for both individual and organizational members. This effort includes an extensive redevelopment of the ISCP website and its features, as well as rebranding of the logo. With feedback from the executive committee, this strategic plan and rebranding effort will be refined and presented to the ISCP Board in the near future. As the ISCP Executive Director is a part-time position, Robert will continue to work as the Senior Director of Pavement Technology at ACPA on a half-time basis. Robert can be contacted by e-mail at: exec@concretepavements.org.

Announcement & First Call for Papers ISCP's 11th ICCP 2016



ISCP is pleased to announce that the 11th International Conference on Concrete Pavements (11th ICCP) will be held in San Antonio, Texas, USA, August 28-31, 2016. Begun in 1977 by Purdue University, this international conference is now organized by ISCP in cooperation with San Antonio Convention and Visitors Bureau. The focus of the conference will be to present information on new technologies related to the design,



construction and rehabilitation of various types of concrete pavements. This conference is targeted for pavement, materials and geotechnical engineering professionals who are involved in any aspect of concrete pavement design, construction, testing, evaluation and rehabilitation, including: * Federal, state, provincial and municipal engineers ***** Consulting engineers ***** Contractors ★ Materials suppliers ★ Academia. The 11th ICCP theme is:



"Concrete Pavements: Thinking Bigger, Thinking Better"

All potential authors are invited to submit an abstract or letter of intent. All manuscripts submitted for review and publication, and all related poster boards and presentations, must be original—not previously published— and must not be of a commercial nature. Please note that the primary author will be required to

pre-register for the Conference before the paper will be included in the proceedings and the final program. 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/11thiccp/. For questions and more information, please contact: Leif Wathne, 11th ICCP Conference Chair: E-mail: lwathne@acpa.org | Phone: 847.966.2272.

ISCP Names Dan Zollinger Honorary Member

Dan Zollinger, Ph.D., P.E., was awarded ISCP Honorary Member status on September 24, 2014 at the 12th International Symposium on Concrete Roads in Prague, Czech Republic.

Dr. Zollinger is a Research Engineer at the Texas Transportation Institute (TTI) and a Professor of Civil Engineering at Texas A&M University, USA. He has over 30 years of experience in teaching and practicing Civil Engineering. He is the manager for the rigid pavements program at TTI, is the Past President of ISCP, and a Fellow of the American Concrete Institute (ACI). He has been the Manager of the Rigid Pavement Program for over 25 years-managing personnel over a variety of research projects at Texas A&M University and other institutions. He is very knowledgeable about concrete pavement design and construction, and is one of the world's leading experts on continuously reinforced concrete pavements (CRCP). His major area of research includes concrete pavement performance, rehabilitation, behavior and design. He served as a consultant on the development of the 2002



AASHTO Guide (NCHRP Project 1-37a) and was a member of a group of experts that reviewed and provided input into the development the CP Roadmap. He has conducted research for Texas Department of Transportation (TxDOT) and other agencies for several years over a wide range of concrete pavement subjects including pavement repair and rehabilitation, transition design, joint seal performance and characterization, early-aged spalling and curing behavior—many of which involved the collection of data under field conditions.

Dr. Zollinger has taught a variety of subjects related to concrete materials. He has developed a variety of materials for workshops and training sessions for construction personnel and 'how-to' on the repair of concrete pavement spalls and other joint-related distress types. When he was in the US Army Reserve, he taught a professional development course for the US Army through the Command and General Staff College using the experiential adult learning model. This tool was used to teach a variety of subjects important to those holding the rank of

Major who had several years' experience in command and battalion staff positions. He recently retired from the USAR at the rank of Lieutenant Colonel with 39 years of service.

ASCP Names Geoff Ayton Honorary Member

Geoff Ayton, *Civil Engineer-Mgr, Rigid Pavements Unit at Roads & Traffic Authority, NSW,* Sydney, Australia, was awarded Honorary Member status of the Australian Society for Concrete Pavement (ASCP) on August 25, 2014. Kevin Abrams, *Director, ASCP*, stated, "Ayton is a major contributor to the concrete pavement industry and like his first major project, he is one year short of a "40-year" design life. Ayton's name is synonymous with the legendary first CRCP across the Clybucca flats." Geoff is well known for design, construction and maintenance of concrete road pavements, specialized rigid pavement applications—jointing layouts and specifications, guides, manuals, and training courses. His achievements include:

- Awarded 1988 Babcock Australia Centenary Scholarship by the Institution of Engineers Australia for a 12-week study tour of concrete pavements throughout Europe and the USA.
- The sire and godfather of the Grey Card course (2005). 107 have now been conducted in 3 states, with 2,500 participants—a major public/private sector skills training achievement . . . there is no other current comparable course anywhere worldwide.
- An international expert on construction-quality concrete compaction in particular and developed what is believed to be the world's first specification and test method for concrete compaction.
- His advice has been regularly sought by international authorities and practitioners for 20 years.
 - Produced 2004 Concrete Roundabout Design Manual—led to its application throughout Australia.
 - Jointly awarded 2005 Eldon Yoder Award for best paper presented at the 8th International Conference on Concrete Pavements, USA (8th ICCP)...First ever given to someone outside USA.
 - 2004 and 2007 personal invitations from Southeast Asia—through diplomatic overtures made to the Department of Foreign Affairs in Canberra—to make engineering and training presentations in Malaysia and other Southeast Asian countries
 - 2010 winner of a joint layout design challenge conducted by the journal *Concrete Construction USA*.
 - Ayton has gained a substantial reputation for excellence in concrete pavement technology and practice—for New South Wales Roads and Traffic Authority/Roads and Maritime Services, and himself.

CONFERENCES & WORKSHOPS

8th International DUT Workshop Held in Prague, Czech Republic

The 8th International *DUT-Workshop on Research and Innovations for Design of Sustainable and Durable Concrete* was held in Prague, Czech Republic on September 20-21, 2014. Thirty one participants from USA, Netherlands, Japan, Belgium, Germany, South Africa, Brazil, Sweden and the United Kingdom attended the workshop. The workshop was organized by Delft University of Technology (DUT) in cooperation with FEBELCEM, European Concrete Paving Association (EUPAVE), and ISCP. Twenty four papers were presented over a two-day period on topics such as concrete pavement materials, design, analysis, evaluation and



sustainability. Andre Molenaar, *Professor, Delft University of Technology*, delivered the keynote address, titled: "Is there a future for concrete pavements?"

The 8th Workshop was complementary to the 12th International Symposium on Concrete Roads held from September 23-26 in Prague. All papers (and statements, discussions, conclusions and recommendations) will be available on CD-ROM.

Please contact: Lambert Houben: E-mail: <u>l.j.m.houben@tudelft.nl</u>.





Geoff Ayton receiving award

receiving award

USTRALIAN SOCIETY FOR

ASCP

John Figueroa ASCP President

Honorary Member, ASCP





Participants may to earn up to 20 PDH's for the course completion.



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

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, 3rd floor conference room, in Rosemont, Illinois.

To read the article on this workshop, please go page 2 of the ISCP August 2014 Newsletter: http://www.concretepavements.org/Membership/Newsletter/AUGUST2014Newsletter.pdf For more information, registration, hotels, and other details, please go to: http://www.acpa.org/workshop-best-practices-in-airfield-concrete-pavement-construction/.

IMCYC to Hold 2 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 two (2) training courses on concrete pavements at the IMCYC Headquarters, located in the Federal District of Mexico City, Mexico. They will be held consecutively in October and November of 2014:

Evaluation of Concrete Pavements October 31 November 13 Repair, Rehabilitation and Preservation of Concrete Pavements

For registration and information, please contact: Veronica Andrade: E-mail: cursos@mail.imcvc.com Martha Velazquez: E-mail: <u>mvelazquez@mail.imcyc.com</u> To purchase teaching materials, please contact: Michael Lopez Villanueva: E-mail: <u>mlopez@mail.imcyc.com</u> For the website and calendar, please go to: http://imcyc.com/: Click on "CURSOS 2014" (Courses 2014).



5th Iberoamerican Congress Concrete Pavement FIH Workshop & Conference to be Held October 21-24, 2014 in Cancun, Mexico

ONGRESO IBEROAMERICANO DE PAVIMENTOS DE CONCRETO Octubre 22 al 24 de 2014

The Associatión Mexican de Investigadores de Comunicación, A.C. (AMIC) and the Federación Iberoamericana del Hormigón Premezclado (FIHP) are hosting the the Conference: "5th Iberamerican Congress

Concrete Pavement Conference", following the one-day Workshop: "2nd Workshop on Concrete Pavement Design". This event was organized in 2009 and has been held in Lima, Peru; Managua, Nicaragua; Panama City, Panama; and Guayaquil, Ecuador. This year, for the first time, it will be hosted in Cancun City, Mexico at the Hotel Moon Palace, Cancun Resort and Spa-the most modern hotel on the whole continent. The objective of this major international event will feature speakers from the highest levels, advances and developments related to design, construction, operation, maintenance, pathology and sustainability. The one-day Workshop will be held on October 21, 2014 in





Guadalajara, Jalisco, Mexico and the Conference will be held October 22-24, 2014 in Cancun, Mexico: **The 2nd Workshop on Concrete Pavement Design** — Guadalajara, Jalisco, Mexico Date Tuesday, October 21, 2014 Hotel Presidente Intercontinental, Guadalajara, Jalisco, Mexico Venue 08:00 - 18:00 hrs Hours Objective |

To design methods and variables essential for durability and competitiveness of concrete pavement. Organized jointly with ACPA. Many experts will be heading the workshop featuring details of the design methods currently used most in the world.

5th Iberamerican Congress Concrete Pavement Conference -- Cancun, Mexico Date

Wednesday, October 22 - Friday, October 24, 2014 Venue Hotel Moon Palace, Cancun Resort and Spa, Cancun, Mexico

via

08:00 - 18:00 hrs

Hours Members of the FIHP the FICEM, Associations, Institutions and associated companies Objective | are invited to participate in a special session to share experiences on the competitiveness of concrete pavements on low, medium and high traffic.

The **Program**: Concrete Pavement Design: from theory to practice; Method of specific design applications; Thickness design method for new construction; Concrete thickness design method for vehicular traffic; Examples of design; New Construction; Design of short slabs; and more.

Congress Topics: • State-of-the-art design methods, pavement construction and experiences

• Sustainability of concrete pavements • New on-control and quality assurance • Forensic Pavement • Engineering • Competitiveness in pavement life • New technologies • Alternatives for financing road infrastructure • Regional Overview in pavement construction • Efficiency & high yields in production equipment & placement

For the conference website and a PDF of the announcement, please go to: <u>http://www.hormigonfihp.org</u>. For more information, please contact: Higo Victor Trejo, *AMIC, Mexico*: <u>vtrejosotres@amic.org.mx</u> or Manuel Lascarro, FIHP, Colombia: mlascarro@asocreto.org.co.



PRE-XVII ARGENTINE CONGRESS OF ROAD expo Administration and Traffic 8° EXPOVIAL ARGENTINA



The Argentine Congress on Road Administration and Traffic will host the 8th ExpoVial Argentina 2014 November 3-6, 2014 at the Hotel Panamericano in Buenos Aires, Argentina. The expo will be addressed to all those involved in road management-from the planning to development and implementation of projects, both within the local and foreign public and private sectors. A new edition of the ExpoVial Argentina 2014 will take place together with the Pre-XVII Argentine



Congress on Road Management and Transit.

The 2014 events will enable a direct connection with the academic world, construction companies, consultants, suppliers of equipment, materials and technologies of the road and transport sector. It will be an opportunity for the exhibitors to showcase their products and services to professionals, operators, technology users, and service providers from several countries. The ultimate news on road and transit improvement in all its aspects will also be displayed. For more information, please go to: http://www.congresodevialidad.org.ar/eng/presentacion.html.

WEBINARS

TRB's SHRP 2 Tuesdays Webinar: Techniques to Fingerprint Construction Materials in the Field - Project R06B

Tuesday, September 30, 2014 (1.5 hours)

2:00 pm - 3:30 pm (EDT) | 1:00 pm - 2:30 pm (CDT) | 11:00 am - 12:30 pm (PDT)

As part of the SHRP2 Tuesdays Webinar Series, the Transportation Research Board (TRB) will conduct a webinar that will discuss the unique fingerprint of common construction materials in the field and data sets for the unique signatures of many common construction materials.

The objective of SHRP 2 Renewal Project R06B was to identify and evaluate practical hand-held equipment —such as XRF, FTIR, or Raman-spectroscopy—for quantitative analyses of applications. Project R06B produced a report, **Evaluating Applications of Field Spectroscopy Devices to Fingerprint Commonly Used Construction Materials**, which documented the evaluation results of practical, portable spectroscopic equipment for in-situ analysis of a wide range of commonly used construction materials. The report also includes proposed American Association of State Highway and Transportation Officials (AASHTO) standards of practice for the analysis of titanium content in traffic paints by X-ray fluorescence and identification of chemical admixtures by attenuated total reflectance.

Webinar Presenters:	Maria Chrysochoou, University of Connecticut
Webinar Moderator:	Matt Miller, TRB
Webinar Outline:	Part 1: Brief overview of SHRP 2 mission, objectives of the Renewal
	focus area and related SHRP 2 research
	Part 2: Presentation on the R06B Project research methodology,
	findings, and basis for future research
	Part 3: Federal Highway Perspective on the R06B Project
	Part 4: Question and answer session
Webinar Outline:	After completion of this SHRP2 Tuesday Webinar, attendees will be able to:
	Identify methods to fingerprint common construction material
	• Evaluate the results of using portable spectroscopic equipment

- Evaluate the results of using portable spectroscopic equipment
- Identify AASHTO standards of practice for the analysis of chemical admixtures

This webinar is sponsored by SHRP 2 and there is no fee to attend this webinar and other webinars in the

SHRP 2 Series, however, participants must register in advance. To register, please go to: <u>http://www.trb.org/Calendar/Blurbs/171193.aspx</u>. After registering, you will receive a confirmation e-mail containing information about joining the webinar. Individuals who are registered as a Florida P.E. are required to send an email, with their license number to: Reggie Gillum | E-mail: <u>RGillum@nas.edu</u> | Questions? Please e-mail Reggie Gillum.



Stormwater Management Solutions for Pervious Concrete & Permeable Interlocking Concrete Pavements (PICP)

TUESDAY, OCTOBER 7, 2014 (1.5 hours)

1:00 pm - 2:30 pm (EDT) | Noon - 1:30 pm (CDT) | 10:00 am - 11:300 am (PDT) Please allow at least 30 minutes extra time for questions and administrative details.

Both pervious concrete and PICP systems may be used as key strategies in sustainable construction for stormwater management, as they can help reduce the need for detention and retention basins/ponds, bioswales, filtration strips, vegetation, and other practices. Presentations will be geared toward contractors, agencies and owners, specifiers and consultants, and others with an interest to one or both of the technologies—which provide sustainability and performance features benefits compared to other systems.

Webinar Presenter: David Smith, Technical Director, Interlocking Concrete Pavement Institute (ICPI) Essentials and construction of PICP; equipment and man-hour requirements; and casebook examples of where and how PICP is used in a variety of applications. Robert Rodden, P.E., Senior Director-Pavement Technology, ACPA Materials; details for construction; maintenance and preservation of pervious concrete pavement systems. Present exemplary projects that demonstrate best practices and potential applications for this versatile pavement system.
 Webinar Overview: ACPA and the ICPI are pleased to present this two-part program that takes the mystery out of building pervious concrete pavements and permeable interlocking concrete pavement systems (PICP). The program will focus on construction aspects of both technologies and includes recent project examples for both systems.
 Learning Objective: To present basic-to-intermediate-level information, all with the aim of facilitating the use of pervious concrete pavements and PICP, whether in tandem or separately.

A certificate for **1.5 PDHs** will be provided to Professional Engineers (PEs) who register and attend the webinar as an individual. For groups, only the person that registers and attends the session will receive a PDH certificate.

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



Both ACPA & ICPI will jointly award **1.5 PDH**s to those wishing to complete an optional "evidence of learning exam following the webinar.

	Joshua Dombroski: E-mai ACPA members: The men your account during the r or email to receive the sp <u>http://www.acpa.org/upc</u> For ICPI information, plea For registration assistance <i>Monday:</i> Maxin <i>Tuesday - Friday:</i> Debbi	il: jdombroski@icpi.org Phone: (703) 657-6900 nber rate will be automatically applied after login to egistration process. Government Employees must call ecial rate. To register and for details, please go to: <u>oming-webinars-meganars-and-workshops/</u> ase go to: <u>http://www.icpi.org</u> . e, please contact: ne: E-mail: <u>mbacerdo@acpa.org</u> Phone: 847.423.8708 ie: E-mail: <u>dbecker@acpa.org</u> Phone: 847.423.8710	
TRANSPORTATION CONTRACTOR ACCOUNTS CONTRACTOR ACC	TRB Webinars: Part 1: Part 1: 1:00 pm - 2:3 This first of a two-part TR precast concrete pavement S2-R05-RR-1: Precast OF project selection, PCP system Webinar Moderator: Webinar Outline: Webinar Outline:	 ts 1 & 2: Planning and Design Considerations for Precast Concrete Pavement Implementation WEDNESDAY, OCTOBER 8, 2014 (1.5 hours) 0 pm (EDT) Noon - 1:30 pm (CDT) 10:00 am - 11:300 am (PDT) B webinar will focus on the project selection, panel design, and development of nt (PCP) specifications and plans. Webinar presenters will cover SHRP 2 Report Concrete Pavement Technology. which provides comprehensive guidance on tem acceptance, as well as panel design, fabrication and installation. Each of the ght precast concrete pavement. Dulce Feldman, Caltrans Shiraz Tayabji, Applied Research Associates Inc. Mike Hein, Con-Fab California Corporation PART 1: FHWA/AASHTO/SHRP2 initiatives related to precast concrete pavement implementation PART 2: Caltrans planning and project selection process PART 3: Precast concrete pavement design considerations PART 4: Project Emmissions Estimator (PE-2)—use and application PART 5: Prestressing system considerations PART 6: Question and answer session At the end of this webinar, participants will be able to: Summarize the successful development of PCP technology Identify where to find current reference documents on PCP technology Apply the information received during the webinar to select desirable pavement projects, develop specifications and plans, review and approve PCP systems. 	
	See Part 2 (below) for registration and other information. Part 2 : Panel Fabrication and Installation Considerations for Precast Concrete Pavement Implementation		
	1:00 pm - 2:3	MONDAY, OCTOBER 20, 2014 (1.5 hours) 0 pm (EDT) Noon - 1:30 pm (CDT) 10:00 am - 11:300 am (PDT)	
	In the second webinar in R05-RR-1: Precast Con highlighting precast concr and many advances have installation.	the series, webinar presenters will continue coverage of SHRP 2 Report S2 - crete Pavement Technology . This webinar is the second of a two-part series rete pavement. During the last decade numerous projects have been constructed been made, and continue to be made, in PCP panel design, fabrication, and	
	Webinar Moderator:	Roger Schmitt , District Five Materials and Research Engineer, Florida Department of Transportation (FDOT)	
	Webinar Presenters:	Stephen Cooper, Federal Highway Administration (FHWA) Shiraz Tayabji, Applied Research Associates, Inc. Tom Heraty, Utility Concrete Products, LLC John Collins, Renu Materials Company, LLC Mike Hein, Con-Fab California Corporation PART 1: FHWA/AASHTO/SHRP2 initiatives related to precast concrete	
	Learning Objective:	 PART 2: Technical overview of panel fabrication and installation processes PART 3: Jointed precast concrete pavement panel fabrication PART 4: Installation of jointed precast concrete pavements PART 5: Fabrication and installation of prestressed precast concrete pavements PART 6: Question and answer session At the end of this webinar, participants will be able to: Summarize the fabrication of both jointed and prestressed PCP panels, as well as the successful procedures that have been used for panel installation Apply this information to facilitate interactions with both precasters and paving contractors concerning PCP applications. 	
	The first 60 minutes of ea audience questions. The P as relating to health, safe please go to:	Ach webinar will be for presentations and the final 30 minutes will be reserved for Registered Continuing Education Program (RCEP) categorizes this webinar activity ity, and welfare including core technical. For registration and more information, Part 1: http://www.trb.org/main/blurbs/171078.aspx.	

Part 2: <u>http://www.trb.org/ElectronicSessions/Blurbs/171140.aspx</u>. After registering you will receive a confirmation email containing information about joining the webinar. Individuals who are registered as a Florida P.E. are required to send an email, with their license number to: Reggie Gillum | E-mail: <u>RGillum@nas.edu</u> | Questions? Please e-mail Reggie Gillum 5

TRANSPORTAT

http://www.trb.org/Ma in/Blurbs/167788.aspx

ACPA will award 2 PDHs Optional "evidence of learning exam following the webinar.

Internal Curing of Concrete Pavements—INDIVIDUAL

WEDNESDAY, OCTOBER 15, 2014 (2 hours)

1:00 pm - 3:00 pm (ESDT) | Noon - 2:00 pm (CDT) | 10:00 am - 11:300 am (PDT) Please allow extra time—as much as 2.5 hours total—for questions and administrative details.

Webinar Presenter: Jack Hockema, Professor of Civil Engineering, Purdue University

Kay Hockema, Director of the Pankow Materials Laboratory, Purdue Univ. Mike Darter, Ph.D., P.E., Principal Engineer, Applied Research Associates, Inc.,

and Emeritus Professor of Civil & Environmental Engineering at the University of Illinois at Urbana-Champaign

Webinar Overview: This two-part Meganar[™] focuses on this the concept of internal curing of concrete pavements, and how this technology can both increase productivity on the grade and extend the service life of finished pavements. The program will begin with an overview of the technology; supportive research results; benefits of internal curing; and sustainability aspects. The second part of the program will feature pavement design considerations, materials-related issues and topics, life cycle cost considerations, and long-term performance. This is an essential training and tech transfer program for contractors, consultants, engineers, and others representing industry, agencies/owners, and academia and who have an interest in this exciting technology.

To register and for more information, please to to: http://www.acpa.org/upcoming-webinars-meganars-and-workshops/. For registration assistance, please contact: Mondav:

Andy: E-mail: <u>andyg@acpa.org</u> | 847.423.8707 Debbie: E-mail: <u>dbecker@acpa.org</u> | Phone: 847.423.8710 Tuesday - Friday:



INDUSTRY PUBLICATIONS & RESOURCES

RMC Releases 2 Publications RMC Foundation Releases Reports to Evaluate Erosion Potential for Concrete Roads and Parking Lots

The Ready Mixed Concrete (RMC) Research & Education Foundation announces the release of its latest industry resource - two reports that evaluate erosion potential for concrete roads and parking lots. Developed at the Texas Transportation Institute, the reports: Design Methodology for Subgrades and Bases Under Concrete Roads and Parking Lots and Test Methods & Results of Erosion Potential of Commonly Used Subgrade and Base Materials, are the culmination of research on best practices for identifying potential erosion problems before pavement is placed. The research and reports were reviewed by industry pavement professionals who offered their quidance and expertise to ensure a high-quality final product.

Foundation Chairman Timothy Becken, Cemstone Products Company, said, "Identifying and designing for potential problems, namely faulting - a primary mechanism of failure in pavements - gives designers the opportunity to provide a better end product, saving owners money, and offers a means to represent our product to the marketplace in a stronger light. This resource allows designers to predict faulting to circumvent premature eroding of the subbase while optimizing the subbase and concrete sections. This saves money due to overdesign and gives owners the best value as they save money initially during the construction phase and have better performing pavements for minimal long-term maintenance." Julie Garbini, Foundation Executive Director, noted that "These new reports are an excellent example of how the Foundation is helping to improve concrete as an application, benefitting everyone involved, especially the end users." To download a copies of the reports from the Foundation website and for more information about RMC, please to to: <u>http://www.rmc-foundation.org</u>. The two reports are available as two separate PDFs, as one combined PDF, on CD, or as hardcopies.

For questions and more information, please contact: Jennifer LeFevre: Phone: (240) 485-1151 | E-mail: ilefevre@rmc-foundation.org

Structural Performance of Ultra-Thin Whitetopping on Illinois Roadways & Parking Lots

Illinois Center for Transportation Department of Civil and Environmental Engineering University of Illinois at Urbana-Champaign's Daniel King and Jeffery Roesler, ISCP Vice President, present a report of the findings of ICT-R27-61 Mechanistic-Empirical Design Implementation and Monitoring for Rigid Pavements Illinois Center for Transportation.

A performance evaluation of ultra-thin whitetopping (UTW) pavements in Illinois was undertaken 2012-2014 to evaluate current design procedures and to determine design life criteria for future projects. The two main components of this evaluation were (1) visual distress surveys of 20 existing UTW projects across the state to document and quantify distresses and (2) falling weight deflectometer (FWD) testing of eight of these UTW projects to evaluate structural performance.

The findings of the surveys are detailed in this report. Deflection data collected during FWD testing were used to directly calculate load transfer efficiency and assess joint performance, but there was no existing method to assess the in situ structural properties of UTW pavements. To better characterize structural performance, a backcalculation procedure for UTW pavements was derived and applied to the deflection data obtained from FWD testing. The backcalculated effective concrete thickness guantifies the loadcarrying capacity of the UTW pavement, variation of the structural capacity as a function of distance along the roadway, and potentially the condition of the concrete-asphalt-bond interface and the underlying asphalt concrete layer.



SUMPTION TO THE .

ign Methodology for Subgrades and Bases Under Concrete Roads and Parking Lots







STRUCTURAL PERFORMANCE OF RA-THIN WHITETOPPING ON ILLINOIS ROADWAYS AND PARKING LOTS



SEPTEMBER 2014 VOLUME 11 • NUMBER 9 The findings of the visual distress surveys and the FWD data analysis largely agreed with each other and were studied to help provide a greater understanding of factors that affect UTW performance. From this analysis, a number of conclusions and recommendations were made regarding UTW pavement design and construction.

To download this publication, please go to: <u>https://apps.ict.illinois.edu/projects/getfile.asp?id=3161</u>.

CALL FOR ABSTRACTS/PAPERS DIGEST

April 30, 2015 Due date for abstracts and letters of intent for the **11th International Conference on** Concrete Pavements (**11th 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, 11th ICCP Conference Chair: E-mail: lwathne@acpa.org, Phone: 847.966.2272, Fax: 847.966.9970. For further information, please go to: www.concretepavements.org.

CALENDAR

OCTOBER 2014	International Symposium on Pavement LCA 2014 October 14-16 2014 in Davis, California, USA http://www.ucprc.ucdavis.edu/LCA2014/		
	One-day Workshop: "2 nd Workshop on Concrete Pavement Design " AND "5 th Iberamerican Congress Concrete Pavement Conference " October 21-24, 2014 in Cancun, Mexico Hosted by: Associatión Mexican de Investigadores de Comunicación, A.C. (AMIC) and the Federación Iberoamericana del Hormigón Premezclado (FIHP) <u>http://www.hormigonfihp.org</u>		
	IMCYC "Evaluation of Concrete Pavements" Training Course October 31, 2014 at the IMCYC Headquarters in the Federal District of Mexico City, Mexico <u>http://imcyc.com/</u> : Click on "CURSOS 2014" (Courses 2014) <u>http://www.google.com/translate?hl=en&ie=UTF8&sl=auto&tl=en&u=http%3A%2F%2Fime</u>	cyc.com	
NOVEMBER 2014	8 th ExpoVial Argentina 2014 November 3-6, 2014, at the Hotel Panamericano in Buenos Aires, Argentina http://www.congresodevialidad.org.ar/eng/presentacion.html		
	IMCYC "Repair, Rehabilitation and Preservation of Concrete Pavements" Training November 13, 2014, at the IMCYC Headquarters in the Federal District of Mexico City, Mexic <u>http://imcyc.com/</u> : Click on "CURSOS 2014" (Courses 2014) <u>http://www.google.com/translate?hl=en&ie=UTF8&sl=auto&tl=en&u=http%3A%2F%2Fine</u>	Course co cyc.com	
	2014 International Conference on Construction Materials and Structures November 24-26, 2014, in Johannesburg, South Africa <u>http://www.iccmats-wits.co.za/Intro.html</u>		
DECEMBER 2015	ACPA 51st 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	TRB 94 th Annual Meeting January 11-15, 2015, at the Walter E. Washington Convention Center http://www.trb.org/meeting	Find us on: facebook.s www.facebook.com/ concretepavements	
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	Linked in som /home	
	WCPA Annual Concrete Pavement Workshop February 10-12, 2015, at the Oshkosh Premiere Waterfront Hotel in Oshkosh, Wisconsin http://www.wisconcrete.org/events.html	Questions? Please contact moderator Jeff Roesler jroesler@illinois.edu	
	For events March 2015 and beyond, please go to: http://www.concretepavements.org/calendar.htm.		
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ISCP)	Robert Rodden, <i>ISCP Executive Director, Senior Director of Pavement Tech</i> Jennifer LeFevre, <i>Executive Director-RMC Research & Education Fou</i>	nology-ACPA; ndation	
	ISCP invites members and friends to submit articles and calendar items futu newsletter@concretepavements.org.	ire issues to:	
for Concrete Pavements	ISCP President: Neeraj Buch, Ph.D. <u>president@concretepavments</u> Vice-President: Jeff Roesler, Ph.D., PE <u>vice-president@concretepavem</u> Secretary/Treasurer: Jake Hiller, Ph.D. <u>secretary-treasurer@concretepav</u>	s.org nents.org ements.org	
	Please visit the ISCP Website at <u>www.concretepavements.org</u> for more information	ation about ISCP.	
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