



INTERNATIONAL SOCIETY FOR CONCRETE PAVEMENTS

ISCP e-NEWSLETTER
VOLUME 10, NUMBER 12
DECEMBER 2013

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ORGANIZATIONAL MEMBERS & MAJOR EVENT SPONSORS:

ISCP NEWS

Buch, Roesler & Hiller elected to ISCP Officer Positions

The election of officers for the 2014-2016 term was completed in early December and, when the dust had cleared, current Secretary-Treasurer Neeraj Buch narrowly defeated current Vice-President José Balbo for the President position. Jeff Roesler and Jake Hiller were declared the winners of the Vice-President and Secretary-Treasurer positions.

Nearly 60 percent (60%) of eligible ISCP members voted in the election. Detailed election results are presented below:

President:	Vice-President:	Secretary-Treasurer:
José Balbo (BRAZIL) – 42 votes	Neeraj Buch (USA) – 19 votes	Jake Hiller (USA) – 91 votes
Neeraj Buch (USA) – 49 votes	Jeff Roesler (USA) – 73 votes	Somayeh Nassiri (Canada), write-in candidate: 1 vote

The new officers will be installed at the January Annual Membership Meeting in Washington, DC, USA and will formally take office on February 1, 2014.

Sherry Sullivan (Canada) was appointed by the Board of Directors to complete the remaining 3 years of Jake Hiller's Director term, in accordance with the ISCP By-Laws. Similarly, Peter Taylor (USA) was appointed to complete the remaining year of Jeff Roesler's Director term.

Reminder: ISCP Annual Membership Meeting on January 11

ISCP members and guests are invited to attend the ISCP Annual Membership Business Meeting, which will be held on Saturday, January 11, 2014 at 17h30 Eastern Standard Time (EST) in the Coolidge Room of the Marriott Wardman Park Hotel in Washington, D.C., USA. Agenda items are expected to include:

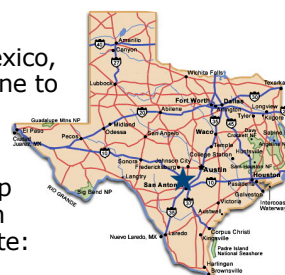
- Update on planning for the 11th International Conference on Concrete Pavements in San Antonio, Texas, USA in 2016;
- Discussion of plans to hire an Executive Director;
- Presentation and discussion of the 2014 ISCP budget;
- Induction of honorary members; and
- Installation of new officers.

Members with additional agenda suggestions should submit them to: president@concretepavements.org. A complete agenda will be posted on the ISCP website one week prior to the meeting.

ISCP Announces the 11th ICCP Conference

The 11th International Conference on Concrete Pavements (11th ICCP) will be held August 28-31, 2016 in San Antonio, Texas, USA.

San Antonio is a culture with roots in Mexico, Germany and the Old West which combine to provide an "only in San Antonio" experience. A cornerstone of its robust meetings industry is San Antonio's world-famous River Walk - one of the top visitor destinations in Texas. Information will be available soon on the ISCP website: www.concretepavements.org.



INDUSTRY NEWS

EUPAVE Welcomes a New President & Vice-President

The European Concrete Paving Association (EUPAVE) is pleased to announce the election of Mr. Stéphane Nicoud as President and Mr. André Burger as Vice-President.

Mr. Stéphane Nicoud began his career in *French Road Administration* as manager of the road department in France, and then as pre-accession adviser in Poland. He subsequently joined the building material industry with *Tarmac International* in Germany as business development manager, and has been with *Holcim* in Switzerland for six (6) years as the head of large construction projects. Nicoud holds Engineering Degrees from the *Ecole Polytechnique* and *Ecole Nationale des Ponts et Chaussées*, and an MBA from *INSEAD* (The French Institut Européen d'Administration des Affaires - European Institute of Business Administration.)





Mr. André Burger began his career as consultant at *Delft Hydraulics* and specializes in design and engineering of hydraulic structures. Since he joined the cement industry in 1989, he has worked in several technical marketing functions. As technical marketing director, he has been responsible for the activities in relation to the application of concrete in infrastructure. Currently, he is the *Director of Cement&Beton Centrum (the Dutch Cement Industry Association)*. Burger holds a Civil Engineering degree from the *Delft University of Technology*.



During the Board Meeting in October 2013, newly-appointed Vice-President André Burger handed two commemorative plates to former President and Vice-President, Mr. Aniceto Zaragoza, *Oficemen* and Mr. David Jones, *Britpave Barrier Systems*, in grateful appreciation for their excellent work for EUPAVE since its creation in 2007.

INDUSTRY RESOURCES & PUBLICATIONS

The Inter-American Cement Federation - FICEM - Re-launches its Concrete Pavements Committee

The Inter-American Cement Federation - FICEM - re-launched its Concrete Pavements Committee in 2013, led and coordinated by *Guatemala's Cement and Concrete Institute - ICCG* (Spanish), and integrated by 15 countries in the region. Latin America and the Caribbean undergo times of continuous development, necessitating the improvement and expansion of their road network. According to the Development Bank of Latin America (CAF), the road network in the region is made up of approximately three million kilometers (3M Km), of which only 21% are paved. The cement industry is called upon to adopt an important role in meeting this deficiency. Due to numerous advantages, concrete pavements are the best option for solving this necessity.

...concrete pavements are the best option for solving the road paving necessity in Latin America.

The objectives of the Pavement Committee are:

- To increase the share of concrete in the pavement market for road infrastructure building in Latin America
- To contribute to the improvement of the image of concrete pavements through the dissemination and promotion of its advantages
- To create strategies that allow tender systems in Latin American countries to integrate long term technical-economic assessments
- To divulge the advantages of concrete pavements so that international financial organizations that fund infrastructure projects acknowledge the social, environmental and economic advantages of concrete pavements.

To read more about the committee, please go to:

<http://www.eupave.eu/documents/news-items/20132510-ficem.xml?lang=en>.

To read more about FICEM (in Spanish), please go to:

<http://www.ficem.org/boletines/boletines2013/boletin-tecnico-octubre-2013/BOLETIN-TECNICO.html>.

Minnesota DOT (MnDOT) Investigates Dowel Anchoring in Repairs

Maria Masten, *Minnesota Department of Transportation (MnDOT) Concrete Engineer*, gave an excellent presentation titled "Minnesota DOT Investigation of Full Depth Repairs" at the Fall National Concrete Consortium (NCC) meeting in Asheville, North Carolina (NC), USA. The presentation described research concerning the effectiveness of various techniques for anchoring dowel bars into the existing slab when performing a full-depth repair. The presentation describes a full investigation of several Minnesota projects, workmanship, anchoring procedures, seasonal construction, current construction practices, and the results of the testing and repairs.

In 2012, MnDOT began an extensive investigation of a concrete pavement rehabilitation (CPR) project in southern Minnesota on Interstate 90 (I-90). On this CPR project, 100% of the joints in the driving lane were replaced utilizing full-depth concrete pavement repairs. After only one winter, a large number of the repairs had sunk (see photo 1). MnDOT cored through some dowel bars that were placed in some of the sunken full-depth repairs, and found that, in many cases, the epoxy was not fully distributed along the entire length of the dowel, and that little or no epoxy was present in many locations (see photos 2 & 3 below). Given these findings, MnDOT went on to investigate other CPR projects and determined that this single project was not an anomaly. Every project had some dowel bars that were not completely surrounded by epoxy or grout.

During the winter of 2012-2013, MnDOT worked with the Concrete Paving Association of Minnesota (CPAM) and their CPR contractors to identify possible solutions to this problem. The Minnesota Road Research site (MnROAD) was the location of a project that was meant to determine how well the Contractors could completely fill those holes. MnDOT experimented with:

- Two-part epoxy installed by injection
- 2-part epoxy mixed in a bucket
- 2-part epoxy mixed on the dowel bars
- Grout installed by the grout box method, and
- Pre-packaged grout capsules that were soaked in water for 2 minutes (see photo 4).

MnDOT Investigation of Full Depth Repairs



2013 Fall National Concrete Consortium – Asheville, NC
September 25, 2013
Maria Masten, MnDOT Concrete Engineer

Multiple Projects Tested

Road	MP	2010 ADT	2010 %Trucks	Dowels per lane	FWD LTE Range	CPR Year
I-90	138-145	7,668	25.4	6	5-83%	2009
I-90	185-193	11,416	11	11	86-95%	2010
I-94	157-194	43,500	10.3	6	25.7-46.4%	2009
I-94	209-217	100,725	9.5	8	19-80%	2010
MN23	112-124	3,290	12.9	8	97-97.5%	2011
MN77	1-5	65,000	2.2	11	31-95%	2007

- Visual examination of the cores
- FWD Testing
 - We have never done FWD testing on FDR until now...
 - What is a good LTE?
 - Does LTE tell us what we need to know?
 - Michigan DOT suggested looking at deflection....



PHOTO 1:
Longitudinal joint on I-90 - Sunken panels



PHOTO 2:
Poorly filled hole
Core C-1

MnDOT and the contractors believed that epoxy would perform the best in filling the holes, however it was found that the best method was the installation of pre-packaged grout capsules, with a known volume, and pushing the dowel bars into the drilled holes.

MnDOT cored every single concrete CPR project in 2013 and found that 2 methods provided satisfactory results:

- Pre-packaged grout capsules and
- Contractor-improved grout bag method, which is much like using a frosting decorator bag (see photos 5 & 6).

Going forward, MnDOT considers these 2 methods to be acceptable and now requires contractors to construct an installation test section prior to beginning full-depth concrete repair projects. After completing the test section, the contractor is required to core through the dowel bars to verify to the Engineer how well the void is filled around the dowel bar is filled.

For the presentation in PDF form, please go to:

<http://www.cptechcenter.org/ncc/F2013Presentations/W7%20Masten%20FDR.pdf>.

... it was found that 2 methods provided satisfactory results: Pre-packaged grout capsule & Contractor-improved grout bag method ...



PHOTO 3:
Core C-1 away
from joint

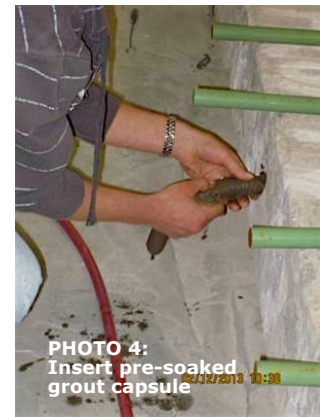


PHOTO 4:
Insert pre-soaked
grout capsule



PHOTO 5:
Grout bag method -
pre-packed grout capsule & epoxy



PHOTO 6:
Grout bag method

ACPA Names 2013 Recipient of the Hartmann-Hirschman-Egan Award



The American Concrete Pavement Association (ACPA) proudly presented the **2013 Hartmann-Hirschman-Egan Award** to **James (Jim) Duit**, *President of Duit Construction Co., Inc.*, Edmond, Oklahoma, USA. The award recognized Duit for 45 years of innovation and successful construction of concrete pavements, as well as selfless dedication and tireless advocacy on behalf of the industry and the ACPA. Duit is the 45th recipient of the Hartmann-Hirschman-Egan Award.

Jim Duit has more than 45 years of experience as a contractor in heavy and highway construction. He has been a tireless advocate for high-quality, smooth concrete pavements, as well as a legislative advocate - participating in countless fundraising and networking events. Duit embraced the importance of political involvement early on, participated on various political committees, and testified before the U.S. House Committee on Transportation & Infrastructure in support of the American Recovery and Reinvestment Act.



Photo L to R:
Jim Duit-
Duit Construction,
Pam Duit,
John Eisenhower-
Guntert & Zimmerman,
and Tim Duit-
TTK Construction
Company, Inc.

First presented in 1968, the *Hartmann-Hirschman-Egan Award* is presented by the ACPA that recognizes individuals, companies, & organizations, for unparalleled commitment, dedication, participation, and leadership community that demonstrate the same level of dedication, leadership and tireless dedication to the concrete pavement industry.

ACPA Names Recipients of the 24th Annual "Excellence in Concrete Pavements" Awards



The American Concrete Pavement Association (ACPA) named the recipients of the 24th Annual "Excellence in Concrete Pavement Awards" at the ACPA 50th Annual Meeting in Puerto Rico, December 2013. This program, which recognize contractors, agency/owners, and consultants/engineers and their exceptional concrete pavement projects across United States and Canada, requires projects to be completed in the calendar year prior to judging (2012).



The awards program encourages high-quality workmanship in concrete pavement projects, and serves as way to share information about challenging and highly successful projects. Judges representing various stakeholder groups throughout the transportation-construction community evaluate projects. The judges each spend many hours reviewing executive summaries, project details, photographs, and other details and aspects of project submittals.

Judging is based on a point system, with each judge awarding points for quality construction, addressing



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unique and unusual challenges, innovation, traffic management, and other criteria. Gold and silver awards are presented in each of several construction-type categories. In the case of ties, duplicate awards were presented to co-winners. Thirty-one (31) awards were presented to twenty-five (25) contractors, as shown below.

"Excellence in Concrete Pavements" Awards

Commercial Service & Military Airports

Gold Award—Atlanta Hartsfield Center Airfield Taxiway Connectors, Atlanta, Georgia

Silver Award—Taxiway Bravo Replacement at Wright Patterson Air Force Base (Ohio)



GOLD Award CPR - Virginia

Concrete Pavement Restoration (CPR)

Gold Award—Denver International Airport Runway 16L/34R Pavement Rehabilitation and ADG V Improvements, Denver, Colorado

Gold Award—Virginia Route I-95 Concrete Pavement Rehabilitation, Richmond, Virginia

Divided Highways (Rural)

Gold Award—I-40 (Mile 206 to Mile 212), Seminole County, Oklahoma

Silver Award—I-69 New Construction, Section 3, Contracts 8 & 9, Daviess County, Indiana

Silver Award—Highway 20-Lytton; Sac/Calhoun County, Iowa



GOLD Award: Divided Highways Rural - Oklahoma

Divided Highways (Urban)

Gold Award—Route 364—Phase II, St. Charles County, Missouri

Gold Award—I-15 CORE Project, Utah County, Utah

Silver Award—I-380 Reconstruction, Black Hawk County, Iowa

Silver Award—USH 41, Mason Street/STH 54 Interchange, Green Bay, Wisconsin

Industrial Paving

Gold Award—Nanshan America Advanced Aluminum Technologies RCC Project, Lafayette, Ind.

Gold Award—Goose Creek Naval Weapons Station Rail Road Tracks, Charleston, SC

Silver Award—Mesquite UPRR Intermodal Facility Expansion, Mesquite, Texas

Municipal Streets & Intersections (<30,000 SY)

Gold Award—Michigan Avenue Reconstruction Project, Stevens Point, Wisconsin

Silver Award—South Broadway Reconstruction/ Yale to Wesley, Denver, Colorado



SILVER Award: Municipal Streets & Intersections (>30,000 SY) - Greeley, Colorado

Municipal Streets & Intersections (>30,000 SY)

Gold Award—West Capitol Drive Reconstruction, Milwaukee, Wisconsin

Silver Award—State Highway No. 85 Bypass Project, Greeley, Colorado

Overlays (Airports)

Gold Award—Laurens County Airport - Airfield Pavement Rehabilitation, Laurens, South Carolina

Silver Award—Laurens County Airport - Airfield Pavement Rehabilitation, Laurens, South Carolina



GOLD Award: Overlays (Streets & Roads) - Williston, North Dakota

Overlays (Streets & Roads)

Gold Award—West Dakota Parkway (US. Hwy. 2) Intersection Overlays, Williston, North Dakota

Silver Award—Ohio and Crawford Intersection Overlay Improvement, Salina, Kansas

Reliever & General Aviation Airports

Gold Award—Cheyenne Regional Airport Taxiways Reconstruction, Cheyenne, Wyoming

Gold Award—Ottawa Municipal Airport, Ottawa, Kansas

State Roads

Gold Award—Highway 196, Sac County, Iowa

Silver Award—SR 25 Delphi to Lafayette, Tippecanoe & Carroll County, Indiana

Urban Arterials & Collectors

Gold Award—Denver International Airport, Reconstruction of Outbound Pena Blvd, Denver, Colorado

Silver Award—Maplecrest Road Extension, R-31752, Allen County, Indiana

For the list of the "Excellence in Concrete Paving Awards" projects and more details about the contractors, owners and engineers, with please go to: http://awards.acpa.org/Events_and_Programs/Awards/Paving_Awards/2013%20Paving%20Awards%20-%20Winner%20List.pdf.

CONFERENCE NEWS

Successful Concrete Roads Congress in Slovenia

The Slovenian Cement Association SLOCEM, together with the Slovenian Concrete Society and the Chamber of Commerce, held their "Concrete Roads Conference" on October 16, 2013 in Ljubljana, Slovenia. All relevant stakeholders from the cement and concrete industries were present, as well as the *Slovenian Road Authorities*. The aim was to give a start to the use of concrete pavements in their country through the exchange of experience.

Four speakers were invited, two of whom were from the EUPAVE family: Mr. Johannes Steigenberger, *Austrian Cement Association - VÖZ*, presented the rich Austrian experience, including an economic analysis; and Luc Rens, *EUPAVE Managing Director*, presented the story of "Concrete Roads: A Smart and Sustainable Choice", and linked the concrete paving opportunities to the challenges set by the different Directorate-generals of the European Commission.

The presentations were followed by an interactive panel discussion.

For more information on the event, please go to:

<http://www.eupave.eu/documents/news-items/20131610slovenianconcreteroadcongress.xml?lang=en>.





International Symposium on Pavement LCA (Pavement LCA 2014) To Be Held October 14-16, 2014 in Davis, California, USA

TRB (Sustainable Pavements AFD00(1)) and the FHWA (Sustainable Pavement Task Group) will co-sponsor the *International Symposium on Pavement LCA (Pavement LCA 2014)*, which will be held October 14-16, 2014 at the U.C. Davis Conference Campus Center in Davis, California - close to the California wine country!

This workshop, hosted by the University of California, Davis and the University of California, Berkeley, will focus on the implementation of Life Cycle Assessment (LCA) for pavements. The workshop will be coordinated with activities of the FHWA Sustainable Pavement Technical Working Group. The subject is implementation of LCA in pavement operations at both the network and project levels. The purpose of the workshop is to review current status, identify the extent of consensus, and discuss future developments for implementation of pavement LCA in North America. The conference will provide:

- A forum for participants to address the various aspects and benefits of LCA from an international perspective
- An opportunity for attendees to share their knowledge and experiences, and to gain insight into needs and upcoming trends for future developments in this field.
- An opportunity for participants to review the current status of, and develop recommendations for, the implementation of pavement LCA in North America.

This workshop follows and builds upon the significant groundwork laid by the 2010 UC-Davis Pavement LCA workshop, and by the 2012 Nantes, France RILEM meeting on LCA for civil construction materials. The Scientific Committee is being solicited from members of the FHWA SPTG, TRB AFD00(1) and attendees of the 2010 and 2012 meetings. The conference is open to all with 200 attendees expected!

Sponsorship opportunity levels include Platinum (\$5,000), Gold (\$3,000) and Silver (\$1,500). All sponsorship money received will be used to support and improve the symposium.

For Sponsorship information, please contact:

Professor John Harvey, *Pavement Research Center,*
Civil and Environmental Engineering, University of California
Phone: 530-754-6409 | E-mail: jtharvey@ucdavis.edu

Call for Papers ends on January 5, 2014 and First (1st) submission of papers is March 1, 2014.

For the preliminary draft of the conference, please go to:

<http://www.ucprc.ucdavis.edu/LCA2014/media/pdf/Draft-SponsorshipOpportunities%20LCA2014.pdf>.

For the conference website, please go to: <http://www.ucprc.ucdavis.edu/LCA2014/index.html>.

CALL FOR PAPERS & ABSTRACTS

Abstracts Due January 10, 2014 for the International Seminar on Sustainable Road & Green Technology



Organized by the World Road Association (PIARC), in cooperation with the Road Engineering Association of Asia and Australasia (REAAA), and the Indonesian Road Development Association (IRDA), the *International Seminar on Sustainable Road and Green Technology* will take place April 23-26, 2014 at the Westin Convention Hotel, Nusa Dua Bali, Indonesia.

The deadline for submitting abstracts is January 10th, 2014.

This PIARC seminar will be held in conjunction with the *TC 1.3 PIARC Meeting*, the *99th REAAA Council Meeting* and the *REAAA Young Engineers and Professionals Meeting*. This is a joint seminar that will explore many possible key areas of Green road and its derivatives. The theme is "Road Sustainability and Green Technology". Road administration, construction industry, academicians, research institutions, and other road development and greenships societies are welcome to participate in the seminar.

This two-day seminar will consist of keynote presentations, invited speakers and a technical session. The technical session will consist of 36 speakers, with a one-day technical visit and cultural program. This seminar will look at the possible strategies and tactics in promoting the concept of sustainable construction and road infrastructure operations through global exchange in policy and practices of green concept among road administration, researchers, academician and stakeholders of road management. The aim is to be a gateway for better practices in road management toward sustainable infrastructure in developing countries.

Papers are invited for presentation at the seminar on the following topics:

- Interconnection between Environmental Sustainability and Green Technology through the Green Road concept
- Standardization of Green Technology
- Best practices in adoption of Green technology
- Best practices in competency setting and certification in Green Technology
- Incentive policy in Green technology application

To submit an abstract by January 10, 2014, please send the abstract to: seminar@pusjatan.pu.go.in. For more information, please go to: <http://www.piarc.org/en/calendar/seminars-piarc/?dt=2014-04>.

For the preliminary program, please go to:

<http://www.piarc.org/ressources/documents/INTERNATIONALS-SEMINARS-PROCEEDINGS/INTERNATIONAL-SEMINAR-PIARC-BALI-2014/20791,International-Seminar-First-Announcement-Road-sustainability-Green-Technology-World-Road-Association-Bali-Indonesia-2014.pdf>.



PAPER SCHEDULE:

December 15, 2013:

Call for Papers

January 5, 2014:

2nd Call for Papers

March 1, 2014:

1st submission of papers

April 15, 2014:

Comments back to authors

May 15, 2014:

deadline for submission of final paper



SCHEDULE:

January 10, 2014:

deadline for abstracts submission

January 17, 2014:

Notification of abstract submission

February 21, 2014:

deadline for full paper submission

March 7, 2014:

announcement of reviewer results

April 4, 2014:

deadline for submission of final paper

Call for Papers & Abstracts Digest

January, 2014 Due date for final papers for 12th International Symposium on Concrete Roads to be held September 23-26, 2014 in Prague, Czech Republic. To submit final approved papers, please e-mail: info@eupave.eu. For the website, please go to: <http://www.concreteroads2014.org>.

January 5, 2014 Close of the Call for Papers for the International Symposium on Pavement LCA (Pavement LCA 2014) to be held October 14-16, 2014 at the U.C. Davis Conference Campus Center in Davis, California. Submission of papers is March 1, 2014. For the conference website, please go to: <http://www.ucprc.ucdavis.edu/LCA2014/index.html>.

January 10, 2014 Due date for abstracts for International Seminar on Sustainable Roads and Green Technology to be held April 23-26, 2014 in Bali, Indonesia. To submit abstracts, please e-mail: seminar@pusjatan.pu.go.id. For more information, please go to: <http://www.piarc.org/en/calendar/seminars-piarc/?dt=2014-04>.

February 1, 2014 Due date for abstracts for the 8th International DUT-Workshop on Research and Innovations for Design of Sustainable and Durable Concrete Pavements to be held September 20-21, 2014 in Prague, Czech Republic. To submit an abstract by February 1, 2014, please contact: Lambert Houben, Chairman, Delft University of Technology (The Netherlands), E-mail: L.j.m.houben@tudelft.nl.

UPCOMING EVENTS

JANUARY
2014

Annual ISCP Board and Open Membership Meeting

January 11, 2014 from 5:30 - 8:30pm EST
Coolidge Room of Marriott Wardman Park Hotel, Washington, DC, USA
<http://www.concretepavements.org/Meetings/agenda.htm>

93rd Annual Meeting of Transportation Research Board (TRB)

January 12-16, 2014, Marriott Wardman Park Hotel, Washington, D.C., USA
<http://www.trb.org/AnnualMeeting/AnnualMeeting.aspx>

World of Concrete

Jan. 20-24, 2014. Seminars will be held January 20-24;
the exhibit floor will be open January 21-24.
Las Vegas Convention Center, Las Vegas, N.V., <http://www.worldofconcrete.com>

FEBRUARY
2014

14th International Winter Road Congress

February 4-7, 2014 in Andorra, <http://www.aipcrandorra2014.org/?lang=en>

Concrete Sustainability Conference, Latin America 2014

February 6-7, 2014 in Medellin, Colombia, <http://www.sustainabilityconf.org/>

APRIL
2014

International Conference on Transportation Infrastructure

April 22-25, 2014 in Pisa, Italy, <http://www.icti2014.org>

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>.

JUNE
2014

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.

For events taking place in July 2014 and beyond, please go to:
<http://www.concretepavements.org/calendar.htm>

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

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

Questions? Please
contact moderator
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ISCP would like to thank **Maria Masten** - Concrete Engineer, MnDOT,
John Harvey - Professor of Civil & Environmental Engineering, University of California-Davis
Bill Davenport - ACPA Vice-President of Communications,
Leif Wathne - ACPA Vice President of Highways and Federal Affairs

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

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Secretary/Treasurer: **Neeraj Buch, Ph.D.** secretary-treasurer@concretepavements.org

Please visit the **ISCP Website** at 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.

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