



INTERNATIONAL SOCIETY FOR CONCRETE PAVEMENTS

ISCP Bi-Monthly News
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IN THIS ISSUE

TITLE	PAGE
ISCP NEWS	1-2
CALL FOR ABSTRACTS	2
INDUSTRY NEWS & RESOURCES	2-3
INDUSTRY NEWS & RESOURCES	3-4
ABSTRACT DIGEST	5
CALENDAR	5

ORGANIZATIONAL MEMBERS & MAJOR EVENT SPONSORS:



AMERICAN CONCRETE PAVEMENT ASSOCIATION



ISCP NEWS

ISCP Bi-Monthly Newsletter - May

ISCP's website is brought to its members in "real-time fashion". ISCP is extending a second May "mini" newsletter brief this month so our members are aware of deadlines, webinars, and the latest information as it is presented on our website. Please note, the link is provided to the **full article** on the **ISCP website**. All additional links are also provided. Enjoy! To read all articles on the ISCP website, please go to: <https://www.concretepavements.org>.

New Member Announcements

ISCP would like to announce and welcome our newest organizational and individual members. 2015 has been quite a year of change and progress for the International Society for Concrete Pavements with a new logo, new real-time website, and new membership! As our membership grows, ISCP will continue facilitate the advancement of knowledge & technology related to concrete pavements through education, technology transfer & research internationally.

Our website will serve as a continuously updated clearinghouse of concrete pavement training, resources, technologies, research, publications, project profiles, industry news, and events. COMING SOON: Members will be able to select from the menu "Announcements-> Newest Members!" and view a posted list. ISCP is pleased to offer a user-friendly website, where members are able to add articles, suggestions, choose languages, and provide comments. We look forward to hearing from each member, to continued membership growth and development, and especially to working together in person at the many international events throughout the coming years.

Organizational Members:

Dynatest — Gold Organizational Member
TCPavements — Silver Organizational Member



Individual/Affiliation members:

Gina Alstrohm
Rogrigo Antunes
Arboleda Arbolina
Hessam Azarijafari
Alejandra Benitez
Carolos Binder
YL Bretep
Carlos Cacciuttolo
Sumanth Churuku
Marjorie Cordova
Guillaume Cuneo
Harvey DeFord
Darren Duncan
Asad Fadael
Brandon Ferrante
Darin Furnell
Georgene Geary
Daba Gedafa
Brian Goliber
Jagan Gudimenttla
Ankit Gupta

Affan Habib
Richard Holesinger
Francisco Holico
Kukjoo Kim
Rita Kleziene
Manoj Kumar
Bryan Lee
Elizabeth Lukefahr
Barman Manik
Mario Manosalvas
Ananya Markandeya
Mitzie McIntyre
Ben McWade
Andrea Medina
Francisco Mora
Harikrishnan Nair
Blaine Newsom
Kevin Pavlik
Dan Pikel
David Pittman
Alan Prescott

Eric Prieve
Suresha Rao
David "Hoss" Robertson
Akshay Kumar Sahoo
Christian Samsing
A.K. Shary
Terry Sherman
Tukasz Slaga
Michael Sprinkel
Timothy Sturges
Cheruku Sumanth
Jeff Uhlmeier
Emmanuel Uwaibi
Xuhua Wang
John Wanningman
Jason Weiss
Dave Wells
Chenlong Yin
Patrick Zanen

DEADLINE is May 31st for 11th ICCP Abstracts & Letters of Intent



Deadline: Sunday, May 31, 2015

for abstracts and letters of intent for the 11th International Conference on Concrete Pavements (11th ICCP) to be held August 28-31, 2016 in San Antonio, Texas, USA.

For the 11th ICCP Brochure, please go to: <https://www.concretepavements.org/11thiccp/11THICCPbrochure.pdf>.

To read this entire article on the ISCP website, please go to: <https://www.concretepavements.org/2015/05/19/deadline-extended-to-may-31st-for-11th-iccp-abstracts-letters-of-intent/>.



IMPORTANT 2015 DATES:

May 31 Abstracts and Letters of Intent
Jun 15 Approval of abstracts
Sep 30 Completed papers due for review
Dec 15 Reviews completed and authors notified

ISCP January 2015 Board Meeting Minutes Available

ISCP January 2015 Membership/Board Meeting minutes are available.

The minutes can be accessed on the ISCP website at:

<https://www.concretepavements.org/wp-content/uploads/2015/04/Membership-Meeting-Minutes-January-10-2015.pdf>.

All past minutes can be accessed here:

<https://www.concretepavements.org/meeting-minutes/>.



CALL FOR ABSTRACTS

Call for Abstracts by May 30: 2015 International Conference on Transportation in Africa—ICTA 2015

The East African Institute of Aga Khan University-Nairobi City, Kenya along with African Transportation Professional Networking Group are requesting abstracts, on any of the 6 paper topics, by **May 30, 2015** for the **2015 International Conference on Transportation in Africa (ITCA2015)**. The conference will be held November 25-27, 2015 at the Safari park Hotel and Casino in Nairobi City, Kenya, Africa. The theme of the conference is "Enhancing Sustainable and Safe Transport Infrastructure in Developing Countries".

Deadline for abstracts is May 30, 2015.

Please submit a maximum of 2 abstracts per author on topics related to the 6 themes to:

E-mail: icta2014transportgroup@gmail.com.

To read this entire article on the ISCP website, please go to:

<https://www.concretepavements.org/2015/05/26/2015-international-conference-on-transportation-in-africa-icta2015/>.

To connect to all other links, please go to:

"Request for abstracts PDF" detailing the conference schedule and the 6 paper topics:

<http://www.aku.edu/aboutaku/Provostoffice/news/Documents/ICTA%202015%20CALL%20FOR%20PAPERS.pdf>.

Safari Park Hotel, Nairobi, Kenya, located at: Thika Road, Kasarani | P.O. Box 45038, Nairobi, Kenya: <http://www.safaripark-hotel.com/?page=home>.

Conference website: <http://www.aku.edu/aboutaku/Provostoffice/news/Pages/2015-International-Conference-on-Transportation-in-Africa.aspx>.

African Transportation Professional Networking Group:

<http://www.ub.bw/mobile/ub-news-detail.php?nid=3226>.

INDUSTRY NEWS & RESOURCES

Netherlands to USA: Solar Panels Far Exceed Expectations & Pave Way for Power-Producing Pavements



A 3-year pilot project/experimental bike path with solar panels has generated more than 3,000 kilowatt-hours during its first six months of operation in Amsterdam, Netherlands—far exceeding engineers' expectations. The project could pave the way for solar-roadway technologies being used to power street lights, traffic systems, and electric cars.

"SolaRoad"—first-of-its-kind path—opened in November 2014 in Krommenie, a village northwest of the Dutch city of Amsterdam, Netherlands. So far, it has generated enough energy to power a one-person household for an entire year [Associated Press reported] ...

"We did not expect a yield as high as this so quickly," Sten de Wit, *Engineer/Senior Advisor-Netherlands Organization for Applied Scientific Research, Helmond, Netherlands (TNO-Netherlands)*, which is part of the consortium that created the 70-meter-long path—a "golden triangle" of industry, research institutions, and government—that is collectively creating innovation ...

Electricity generated by the panels is fed into the electricity grid ...

In the United States, a similar initiative to build solar energy-generating roads is underway ...

To read this entire article on the ISCP website, please go to:

<https://www.concretepavements.org/2015/05/26/solar-panels-far-exceed-expectations-pave-way-for-power-producing-pavements/>.

To connect to all other links, please go to:

Entire "SolaRoad" article:

http://www.huffingtonpost.com/2015/05/13/solar-road-power_n_7275278.html.

U.S. article on solar road technology: <http://www.cbc.ca/news/technology/solar-roadways-pushes-ahead-with-power-producing-pavement-1.2703852>.

Additional solar panel articles: <http://phys.org/news/2015-05-solaroad-path-electricity-yield.html> and http://www.huffingtonpost.com/2014/11/10/netherlands-solar-bike-lane_n_6135090.html.



commons.
wikimedia.org



PHOTOS BELOW:

1.
A solar bike path has generated more than 3,000 kilowatt hours since the 70-metre-long strip, on the left, officially opened in November 2014 (SolaRoad).

2.
The solar panels built by Idaho inventors Scott and Julie Brusaw—meant for roads, driveways, parking lots, bike trails... eventually highways



सड़क परिवहन और राजमार्ग मंत्रालय
MINISTRY OF ROAD TRANSPORT & HIGHWAYS
भारत सरकार

Sri. Nitin Gadkari
Transport Minister of India

Why India Project is Investing in 100% Concrete Roads

Sri. Nitin Gadkari, *Transport Minister of India* said, "100% of roads in a \$4.7 billion development project will be cement/concrete. This large-scale infrastructure program involves converting 12 major ports into smart cities." This is a significant investment in surface transportation infrastructure, and even more so when considering the economies of the United States and India:

Gross Domestic Product (GDP): USA: \$17 trillion India: \$2 billion
Gross National Income (GNI) per capita: USA: \$53,750 India: \$5,350

Sri. Gadkari said the public-private partnership model is a compulsion, so that government resources can be focused on the rural and agriculture sectors. "You won't hear any complaints that roads are not being constructed or are lying vacant."

In the article from the web portal *Rediff India Abroad* (Indian news, information, entertainment and shopping), 23 questions were asked of Sri. Gadkari. Two questions were:

"Will all roads be built with cement/concrete?"

Mr. Gadkari answered, "Yes, 100 per cent! Cement roads have a life of 100 years and bitumen roads have a life of five years ..."

"What is the delivered cost of cement/concrete?"

He replied, "Ministry of Road Transport and Highways-Government of India have a website called NAM-Pro—the Platform for Infrastructure and Materials Providers. *INAM-Pro* has brought down costs for cement procurement." He added ...

A *YouTube* video featuring Sri. Nitin Gadkari, explained that they are also planning for the "Chaar Dhaam Yatra" highway project. It is the highway-connection of the four holy towns ...

To read this entire article on the ISCP website, please go to:

<https://www.concretepavements.org/2015/05/27/why-india-project-investing-in-100-concrete-roads/>.

To connect to all other links, please go to:

Entire "REDIFF" article: <http://www.rediff.com/business/interview/interview-gadkaris-grand-plan-rs-3-lakh-cr-of-road-projects-in-6-months/20150519.htm>.

INAM-Pro website: ([http://www.inampro.nic.in/\(S\(del11p3jbvnjcmthdi2qqo1i\)\)/default.aspx](http://www.inampro.nic.in/(S(del11p3jbvnjcmthdi2qqo1i))/default.aspx)).

YouTube video (1 minute, 10 secs): <https://www.youtube.com/watch?v=Y4bFd35kybM>.



Platform For Infrastructure and Materials Providers

सड़क परिवहन और राजमार्ग मंत्रालय - भारत सरकार

Ministry of Road Transport & Highways - Government of India

CONFERENCES & WORKSHOPS



National Concrete Pavement
Technology Center



NCC Semi-Annual Meeting Held— Outstanding Technology Transfer Forum

The semi-annual meeting of the National Concrete Consortium (NCC) was held April 21-23, 2015 in Reno, Nevada, USA. NCC continues to be an outstanding forum for concrete technology transfer. The meeting was attended by 145 practitioners from across the nation, representing industry, academia, the FHWA, 27 of the 30 pooled fund member-state departments of transportation, and the Illinois Tollway. Presentations were delivered by experts from agencies, universities, and industry on a variety of technical topics. Highlights include ...

The theme for this meeting was curing—including materials, testing and practices. *NCC Chairperson* Maria Masten, *Concrete Engineer-Minnesota Department of Transportation (MnDOT)* presented a summary of DOT responses to the survey ...

The fall meeting of the National Concrete Consortium is planned for September 15-17, 2015 in Milwaukee, Wisconsin, USA.

To read this entire article on the ISCP website, please go to:

<https://www.concretepavements.org/2015/05/28/ncc-semi-annual-meeting-held-outstanding-technology-transfer-forum/>.

Vision and Mission



The vision statement for this organization is as follows:

- "Academia, government agencies, and industry working together to continuously improve concrete performance and durability in a cost-effective manner."

The mission statement for this organization is as follows:

- "Provide an ongoing National forum for portland cement concrete (PCC) and pavement technology sharing to encourage uniform specifications, mutual problem solving, coordinated research, and implementation of new technologies. Promote quality design and construction practices."

To connect to all other links, please go to:

Details and all of the meeting highlights above: http://www.cptechcenter.org/boardnews/NCC%20Meeting%20Highlights%204%2021-232015_mam.pdf.

Meeting agenda, highlights, business meeting minutes and ALL PRESENTATIONS: <http://www.cptechcenter.org/ncc/TTCC-NCC-2015.cfm>.

Objectives



The objectives of this organization are:

- To develop uniform national or regional specifications for concrete structures and pavements
- To promote reciprocity of material specifications among the member states
- To develop a comprehensive information sharing process
- To establish a coordinated national and regional research effort
- To promote quality design and construction practices

Presentation Slides:

Maria Masten, MnDOT

http://www.cptechcenter.org/ncc/Sp2015%20NCC/01%20NCC%20Spring%202015%20Mtg_Masten.pdf

WEBINARS



TRANSPORTATION RESEARCH BOARD
OF THE NATIONAL ACADEMIES

TRB: Mechanistic-Empirical Design & Details for Continuously Reinforced Concrete Pavement (CRCP)

Wednesday, June 3 2:00pm to 3:30pm ET (1.5 hours)

Webinar Presenters: Jeffrey Roesler, *University of Illinois at Urbana-Champaign*
Michael Darter, *University of Illinois at Urbana-Champaign*
Dan Zollinger, *Texas A&M University*

Webinar Moderator: Dulce Rufino Feldman, *California Department of Transportation*

Webinar Outline: AASHTO ME design for CRCP
European design procedures for CRCP
End treatments and other design details
Question and answer session

The first 60 minutes—presentations and the final 30 minutes—audience questions ...

To register, for Learning Objectives and other information, please go to:
<http://www.trb.org/Main/Blurbs/172488.aspx>.

For registration questions, please contact Reggie Gillum: E-mail: RGillum@nas.edu.

For this webinar on the ISCP website, please go to:
<https://www.concretepavements.org/events/>.

Professional Development Hours:
A certificate for 1.5 PDH's will be provided to attendees who register & attend as an individual



TRANSPORTATION RESEARCH BOARD
OF THE NATIONAL ACADEMIES

TRB: Materials for Unbound Granular Pavement Layers

Wednesday, June 24 1:00pm to 3:00pm ET (2 hours)

Webinar Presenters: Erol Tutumluer, *University of Illinois, Urbana-Champaign*
Debkanta Mishra, *Boise State University*
Andrew Dawson, *University of Nottingham*

Rick Boudreau, *Boudreau Engineering*

Webinar Moderator: Rick Boudreau, *Boudreau Engineering*

Webinar Outline: Introduction
Aggregate types and material selection
Granular base and subbase construction practices
Unbound aggregate base characterization for design
Summary
Question and answer session

The first 90 minutes—presentations and the final 30 minutes—audience questions. The Registered Continuing Education Program (RCEP) categorizes this webinar activity as relating to health, safety, and welfare including core technical ...

This webinar will present material closely aligned with Chapters 2, 3, and 4 of "NCHRP Synthesis 445: Practices for Unbound Aggregate Pavement Layers". Webinar presenters will show how natural mineral aggregate and recycled/by-product aggregate (as used in granular base and sub-base layers of pavements) is obtained, selected, characterized, and transformed into functional pavement layers.

This webinar was organized by the TRB Standing Committee on Mineral Aggregates. Participants must register in advance of the webinar, and there is a fee for non-TRB Sponsor or non-TRB Sustaining Affiliate employees. To register, for the webinar objectives, and for more information, please go to: <http://www.trb.org/Calendar/Blurbs/172399.aspx>.

For the PDF on NCHRP Synthesis 445: Practices for Unbound Aggregate Pavement Layers, please go to: <http://www.trb.org/main/blurbs/169883.aspx>.

For this webinar on the ISCP website, please go to:
<https://www.concretepavements.org/events/>.

NCHRP
SYNTHESIS 445

NATIONAL
COOPERATIVE
HIGHWAY
RESEARCH
PROGRAM

Practices for Unbound Aggregate
Pavement Layers



A Synthesis of Highway Practice
TRANSPORTATION RESEARCH BOARD
OF THE NATIONAL ACADEMIES

Professional Development Hours:
A certificate for 2 PDH's will be provided to attendees who register & attend as an individual

CALL FOR ABSTRACTS/PAPERS DIGEST

MAY 30, 2015 Due date for abstracts for the **2015 International Conference on Transportation in Africa (ITCA2015)** to be held November 25-27, 2015 at the Safari park Hotel and Casino in Nairobi City, Kenya, Africa. Please submit a maximum of 2 abstracts per author on topics related to the six specific themes via e-mail to: icta2014transportgroup@gmail.com. For the "request for abstracts PDF" detailing the conference schedule and the 6 paper topics, please go to: <http://www.aku.edu/aboutaku/Provostoffice/news/Documents/ICTA%202015%20CALL%20FOR%20PAPERS.pdf>.

MAY 31, 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. For the First Call for Papers brochure, please contact Leif Wathne, **11th ICCP Conference Chair**: E-mail: lwathne@acpa.org. For the online version of the brochure, please go to: <http://www.concretepavements.org/11thiccp/11THICCPbrochure.pdf>.

CALENDAR

JUNE 2015

ASCE & T&DI International Airfield and Pavements Conference

June 7-10, 2015 at the Hilton Miami Downtown, Miami, Florida, USA, <http://www.pavementsconference.org/>

James Lai Symposium on Pavement Mechanics and Materials

2015 ASCE Engineering Mechanics Institute Conference (MS 61), USA

June 16-19, 2015 in Palo Alto, California, USA, <http://www.emi2015.info/minisymposia/symposia>

ASCE-Design for Concrete Pavements, USA

June 25-26, 2015 at Sheraton Brookhollow Houston, Houston, Texas, USA, <http://mylearning.asce.org/diweb/catalog/item/id/333177/q/c=79&q=concrete&t=2116>

JULY 2015

Optipave2: Fundamentals and Use of Software, Chile

July 2 at the Instituto Del Cemento Y Del Hormigon De Chile (ICH) in Antofagasta, Chile <http://pavimentando.cl/?p=2549>

TRB 11th International Conference on Low Volume Roads, USA

July 12-15, 2015 at the Omni William Penn Hotel, Pittsburg, Pennsylvania, USA

<http://www.trb.org/Conferences/2015/11LVR>

14th AASHTO/TRB Conference on Transportation Infrastructure Maintenance and Operations

July 19-23, 2015 in Des Moines, Iowa, USA, For more information, contact James Bryant at jbryant@nas.edu.

ASCP 2015 Conference, Australia

July 20-21, 2015, at BreakFree Aunuka Beach Resort, in Coffs Harbour, NSW, Australia

<http://www.concretepavements.com.au/NewsItem.aspx?NewsID=105>

AUGUST 2015

Concrete 2015

August 30, 2015 - September, 2015, in Melbourne, Victoria, Australia

<http://concrete2015.com.au/>

SEPTEMBER 2015

ASCE-Design of Concrete Pavements, USA

September 10-11 2015 at Hyatt Palace Baltimore Inner Harbor East, Baltimore, Maryland, USA

<http://mylearning.asce.org/diweb/catalog/item/id/333180/q/c=79&q=concrete&t=2116>

XX Simposio Colombiano sobre Ingenieria de Pavimentos, Colombia, South America

September 23-25 2015 at Centro de Convenciones del Hotel Santamar in Santa Marta, Magdalena, Colombia, South America <http://www.simposiopavimentos.com.co/>

OCTOBER 2015

11th International Symposium on Brittle Matrix Composites – BMC-11

September 28-30 2015 in Warsaw, Poland, <http://bmc11.ippt.pan.pl/>

10th Uruguayan Concrete Conference, Uruguay

October 14-16, 2015, at the Technological Laboratory of Uruguay (LATU) in Montevideo, Uruguay, <http://ibracon.org.br/eventos/57CBC/ingles/default.asp>.

USP & IBRACON 3rd International Conference on

Best Practices for Concrete Pavements

October 28-30, 2015 at the Centro de Convenções de Bonito,

in the state of Mato Grosso Du Sol in Bonito, Brazil

http://www.ibracon.org.br/eventos/57cbc/3rd_Concrete_Pavement.pdf

57th Brazilian Concrete Congress Conference

October 27-30, 2015 at the Centro de Convenções de Bonito,

in the state of Mato Grosso Du Sol in Bonito, Brazil

<http://ibracon.org.br/eventos/57CBC/ingles/>

NOVEMBER 2015

PIARC XXVth World Road Congress

November 2-6, 2015 in Seoul, South Korea, <http://piarcseoul2015.org/>

2015 International Conference on Transportation in Africa

November 25-27, 2015 at the Safari park Hotel and Casino-Nairobi, Kenya, Africa

For events in 2016 and beyond, please go to:

<http://concretepavements.org/events/category/conferences/>.



www.facebook.com/concretepavements



https://www.linkedin.com/groups?home=&gid=3760764&trk=groups_members-h-logo

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@ConcPaveSociety



<https://instagram.com/concretepavementsociety/>



The ISCP Newsletter is produced monthly by:

Editor-in-Chief & Art Director: **Amy M. Dean** newsletter@concretepavements.org

ISCP would like to thank the following for their contributions to this newsletter and the May items on the ISCP website:

Bill Davenport, VP-Communications—ACPA; CP Tech Center

ISCP invites members and friends to submit articles and calendar items future issues to: newsletter@concretepavements.org. For the ISCP website, please go to <https://www.concretepavements.org>.

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ISCP Executive Director: **Robert Rodden, P.E.** exec@concretepavements.org

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