



International Society for Concrete Pavements

ISCP e-Newsletter
Vol. 5, No. 6
December 2008

CONTENTS

What's New at ISCP?

Conference News

Industry News

Upcoming Events

CORPORATE MEMBERS



What's New at ISCP?

ISCP's Annual Meeting Coming Up

The ISCP Annual Meeting will be held on Saturday, January 10th, 2009 at 5:45pm in the Wilson B room at the Marriott Wardman Park Hotel in Washington, D.C., USA. Minutes from previous meetings are available for review on the ISCP website and a draft meeting agenda will be posted shortly. This meeting is open to all ISCP members and guests.



An informal social dinner will be held after the meeting at the Pesto Ristorante www.pestodc.com at 2915 Connecticut Ave NW (near the Marriott Hotel). ISCP will partially sponsor the cost of the meal at a rate of \$10 per member attendee (not to include the cost of any alcoholic drinks). Space at the restaurant is limited, so please RSVP your intention to attend to secretariat@concretepavements.org to guarantee your spot at the dinner.

9th International Conference on Concrete Pavements Proceedings Available

All 9th International Conference on Concrete Pavements fulfillment items (such as paper and CD proceedings, backpacks, t-shirts, hats, etc.) that were not available for distribution at the Conference were shipped to conference attendees on Friday, December 5, 2008 and should be delivered very soon.

ISCP apologizes most sincerely for the problems and delays in delivering these items and we thank you for your patience while we have attempted to resolve the issues that led to the problems in producing and delivering these items.

Any further updates on deliveries will be posted on the ISCP website.

www.concretepavements.org

Conference News

TRB Annual Meeting Concrete Pavement Sessions Scheduled

Time is quickly approaching for the Transportation Research Board (TRB) Annual Meeting in Washington, D.C., USA from January 11-15, 2009, where over 10,000 researchers, engineers, scientists, practitioners, policy-makers and others from around the world are expected to gather. This year, more than 3,000 transportation-related presentations in nearly 600 sessions are scheduled. The spotlight theme for 2009 is *Transportation, Energy, and Climate Change*. Below is a partial list of some of the workshops and sessions related to concrete and concrete pavements:

Sunday Workshop:

Live Long and Prosper, Creating More Sustainable Concrete Pavements



Sessions include:

- 241 New Solutions for Concrete Materials
- 243 Portland Cement Concrete Pavement Construction
- 301 Analytical Aspects of Concrete Pavements
- 424 Nanotechnology-Based Concrete Materials
- 476 Evaluation of Concrete Coefficient of Thermal Expansion
- 504 & 563 Advancing the Vision for Sustainable Concrete
- 516 Concrete Bridges: Materials, Design, and Monitoring
- 595 Construction Techniques to Minimize Curling and Warping
- 639 Aggregates and Concrete Durability: Performance and Mitigation
- 677 Design Aspects of Concrete Pavements
- 718 Chlorides and Concrete Durability: Recent Advances
- 719 Concrete Paving Mixture Optimization
- 775 Property Evaluation for Modified Concrete

Details of all workshops, sessions, and presentations, as well as conference location, registration and hotel information can be found at the TRB website:

<http://www.trb.org/meeting/2009/default.asp>

Registration Open for Sustainable Pavement Conferences in February

“Build With Concrete, The Sustainable Pavement” Workshop:

A workshop entitled “Build With Concrete, The Sustainable Pavement” will be presented by the concrete industry on Tuesday and Wednesday, February 10-11th, 2009 in Denver, Colorado, USA. It will provide education, information and network opportunities for engineers, designers, contractors, inspectors, and technicians involved in concrete pavements. Sponsorship and exhibitor opportunities are also available.

For more information about the workshop, please contact Barbara Applegate bapplegate@paveconcrete.org or visit the Colorado/Wyoming Chapter of American Concrete Pavement Association website for the workshop:

<http://www.paveconcrete.org/workshop.php>

LJMU 2009 International Conference:

The 8th International Conference on Sustainable Aggregates, Asphalt Technology and Pavement Engineering will be held on Wednesday and Thursday, February 18-19th, 2009 in Liverpool, UK. The conference will be organized by the Liverpool Centre for Materials Technology at Liverpool John Moores University (LJMU).

The conference’s aim is towards development and management of sustainable infrastructure, environmental protection, energy reduction, developments in concrete and asphalt pavement technology and aggregate recycling initiatives. Selected papers from the conference will be published in a special issue of the International Journal of Pavement Engineering and Asphalt Technology.

For more information about conference registration, fees or accommodations, please visit the website:

<http://www.ljmu.ac.uk/blt/peat/index.htm>

Extended Deadline for 1st ICPP Abstract Submission

The deadline for submitting abstracts to the 1st International Conference on Pavement Preservation has been extended to February 1st, 2009. The conference will be held in

Newport Beach, California, USA in April 2010 and aims to bring together researchers and experts working on pavement preservation to exchange ideas and discuss critical issues and concerns. Abstracts should be only one page and should be submitted to the conference secretary, Linda Farrell at lfarrell@csuchico.edu. Information can be found on the conference website:

<http://www.pavementpreservation.org/icpp/>

Upcoming TTCC/NCC Meeting in March

The spring meeting of the Technology Transfer Concrete Consortium (TTCC) and National Concrete Consortium (NCC) will be Tuesday through Thursday, March 31st – April 2nd, 2009 in San Antonio, Texas, USA. Practitioners and researchers from several states from across the US gather at this semi-annual meeting to exchange ideas, share current research findings and discuss issues related to concrete pavements that are of highest concern for the state Departments of Transportation.

Registration and agenda information can be found at:

http://www.cptechcenter.org/t2/ttcc_ncc_meeting.cfm

Bearing Capacity of Roads, Railways and Airfields Conference Coming up in June



The 8th International Conference on the Bearing Capacity of Roads, Railways, and Airfields will be held at the University of Illinois at Urbana-Champaign in Champaign, Illinois, USA from Monday to Thursday, June 29th-July 2nd, 2009. The conference aims to provide a forum for new concepts and innovative solutions for researchers, practicing engineers and other professionals. The conference objective is to promote efficient design, construction, and maintenance of the transportation infrastructure by addressing issues related to the bearing capacity problems of roads, railways, and airfields.

For more information about the conference, please visit the website:

<http://www.BCR2A.org>

11th International Symposium on Concrete Roads Call for Abstracts

The European Concrete Paving Association (EUPAVE), the Spanish Cement Association (OFICEMEN), the Spanish Institute of Cement and its Applications (IECA) and the World Road Association (PIARC) are sponsoring the eleventh International Symposium on Concrete Roads will be October 13-15th in 2010. It will be held in the avant-garde Barceló Renacimiento Conference Centre. The hotel is situated in Seville on the Island of La Cartuja, in the southern part of the Iberian Peninsula.



Specific technical sessions themed around “the answer to new challenges” will look at: climate change, economical constraints, skills shortages, and rising oil prices, and are divided into the following key categories:

- Pavement design-planning-evaluation
- Sustainable construction
- Techniques for good maintenance, repair & rehabilitation
- Alternative and special applications

Abstracts for the symposium are due by June 15th, 2009. For more information about the conference and abstract submission, please see the following website.

<http://www.2010pavimentosdehormigon.org/content.php>

Industry News

Leclerc Elected New World Road Association PIARC President



The World Road Association (AIPCR/PIARC) held its meeting in Marrakech (Morocco) on October 29-30th, 2008 where the PIARC council elected Mrs. Anne-Marie Leclerc as President for 2009-2012. Mrs. Anne-Marie Leclerc is the Québec Assistant Deputy Minister of Transport and General Director for Infrastructure and Technology. She will succeed the current President of PIARC, Colin Jordan from Australia, on January 1, 2009. Mrs. Leclerc has been a member of the Executive Committee for PIARC since October 1998 and has served as Vice-President of the Association since 2004. She is also Canada-Québec's First Delegate and Vice-Chairman of the Québec Committee of PIARC.

To view the newly elected executive committee for PIARC, visit:
<http://www.piarc.org/news/2628.htm>

ACPA's Popular Tech Day Focuses on Key Issues

Tech Day is the American Concrete Pavement Association (ACPA)'s popular technology transfer and educational event, which was held as part of its 45th annual meeting in San Antonio, Texas, USA in early December. Technical experts at Tech Day 2008 presented a wide range of information about new and emerging technologies, best practices, and the latest developments in concrete pavement placement and rehabilitation.

The event was oriented to contractors, consultants, Department of Transportation personnel, municipal/county officials, aviation authorities, military officials, and others interested in professional development in the field of highway and heavy construction and rehabilitation. An estimated 350 participants attended the successful Tech Day event.

The Westin La Cantera Hotel in San Antonio, Texas, USA was the site of this year's event, which began with opening remarks by Frank Surianello, P.E., Surianello Construction (Chairman of the ACPA Technical Committee). Among the hundreds of participants were representatives of the cement and concrete industries, as well as public officials from the nation of Chile.

The full array of presentations included the following:

Track 1: Materials Related Issues

- "A Closer Look at Air Voids" by Tyler Ley, Ph.D., Oklahoma State University
- "A Practical Look at Optimized Aggregate Grading for Paving" by Ralph Browne and Tom Thompson, Texas Department of Transportation; Curtis Lee, Southern Star Concrete; and Jason Burns and John Hajdasz, Sunmount.
- "ASR and Potassium Acetate Research" by Prasada Rangaraju, Clemson University

Track 2: Sustainability Issues

- "Recycling Concrete Pavements: A Contractor's Perspective" by Mike Lipps, Duit Construction Co., Inc.
- "Recycling Concrete Pavement, A National Perspective" by Mark Snyder, Ph.D., P.E., Consultant
- "Update: CP Roadmap, Track 13 (Sustainability)" by Tom Van Dam, Ph.D., P.E., Applied Pavement Technology

Track 3: Design Developments and Innovations

- "Revised Tie Bar Design Method" by Mike Darter, Applied Research Associates, Inc.
- "Flat Plate Dowels" by Nigel Parks, PNA Construction Technologies
- "Minnesota Experience" by Mark Brinkman, Construction Materials Inc. and Chris Schenk, Jardin Zinc



Tyler Ley, Ph.D., Oklahoma State University, provided a fresh, captivating, and close-up view of air voids during his presentation at ACPA's Tech Day.

Track 4: Innovative Contracting

- "Overview of Current Practices: A National Perspective" by Dan Rozycki, The Transtec Group, Inc.
- "Development of the Missouri Alt Bid Practices" by Dave Nichols, Missouri Department of Transportation
- "Alternate Bids: A Contractor's Perspective" by Paul Corr, Fred Weber, Inc.

Track 5: New Developments in Paving Equipment

- "Three-Dimensional Machine Control" by Kevin Kline, Gomaco, and Matt Morrison, Leica Geosystems
- "Dowel Bar Inserters" by Ron Meskis, Guntert & Zimmerman
- "The Effects of Texturing on Measured Smoothness" by Ron Guntert, Guntert & Zimmerman

Track 6: Innovations in Pavement Construction

- "Two-lift Concrete Pavement Construction" by Robert Kennedy, Koss Construction, Inc., and Greg Schieber, Kansas Department of Transportation
- "Unbonded Concrete Overlays Using a Separator Fabric" by Pat Weaver, Clarkson Const., and Jason Blomberg, Missouri Department of Transportation

ACPA extends its sincere appreciation and thanks to the presenters, as well as the participants of Tech Day. For additional information about the Tech Day program, contact Michael Ayers, Ph.D., ACPA's Director of Pavement Services at mayers@pavement.com or 217-621-3438.

Article provided by:

Bill Davenport, American Concrete Pavement Association, 847-966-2272, bdavenport@pavement.com

"Smog-Eating Cement" Claimed One of Top 50 Inventions of 2008

TIME magazine picked the top 50 innovations for 2008 and has selected "smog-eating cement" as one of these best inventions. When cement is mixed with titanium dioxide as a photo-catalyzer (activated by ultraviolet light), nitrogen oxides or sulfur oxides in the air which come in contact with the cement surface are oxidized. The smog-eating cement was developed by Italcementi over the last 10 years and is called *TX Active*. A stretch of concrete pavement in Bergamo, Italy where Italcementi is based was coated with a layer of TX Active and has claimed to produce better-smelling air within 4.5 square miles.

View the article in TIME magazine:

http://www.time.com/time/specials/packages/article/0,28804,1852747_1854195_1854176,00.html

or visit the Italcementi website:

www.italcementigroup.com

Upcoming Events



ISCP Annual Membership and Board Meeting

January 10, 2009 at 5:45pm in Washington, D.C., USA

Marriott Wardman Park Hotel - Room Wilson B

<http://www.concretepavements.org/Meetings/agenda.htm>

88th Annual Meeting of the Transportation Research Board

January 11-15, 2009 in Washington, D.C., USA

<http://trb.org/meeting/2009/default.asp>

Build With Concrete, The Sustainable Pavement Workshop

February 10-11, 2009 in Denver, Colorado, USA

<http://www.paveconcrete.org/workshop.php>

Liverpool Centre for Materials Technology (LCMT) 2009 Annual International Conference
February 18-19, 2009 in Liverpool, UK
<http://www.ljmu.ac.uk/BLT/PEAT/90854.htm>



Spring 2009 Tech Transfer and National Concrete Consortium
Tech Transfer Concrete Consortium – March 31, 2009
National Concrete Consortium – April 1-2, 2009 in San Antonio, Texas, USA
http://www.cptechcenter.org/t2/ttcc_ncc_meeting.cfm

National Conference on Preservation, Repair, and Rehabilitation of Concrete Pavements
April 22-24, 2009 in St. Louis, Missouri, USA
<http://www.fhwa.dot.gov/pavement/concrete/2009CPTPconf.cfm>

2nd European Airport Pavement Workshop
May 13-14, 2009 in Amsterdam, The Netherlands
<http://www.crow.nl/engels/>

2009 Concrete Technology Forum: Focus on Performance Prediction
May 13-15, 2009 in Cincinnati, Ohio, USA
<http://www.concretetechnologyforum.org>

Eighth International Conference on the Bearing Capacity of Roads, Railways and Airfields
June 29 - July 2, 2009 in Champaign, Illinois, USA
<http://www.BCR2A.org>

TRB Data Analysis Working Group (DAWG) (Held in conjunction with MAIREPAV6)
July 7-10, 2009 in Torino, Italy
<http://www.trb.org/Studies/Programs/DAWG.asp>

Sixth International Conference on Maintenance and Rehabilitation of Pavements and Technological Control (MAIREPAV6)
July 8-10, 2009 in Torino, Italy
<http://www.mairepav6.it>

GeoHunan International Conference on Challenges and Recent Advances in Pavement Technologies and Transportation Geotechnics
August 3-6, 2009 in Hunan, China
<http://www.geohunan.org/>

9th International Conference of Chinese Transportation Professionals (ICCTP 2009)
August 5-9, 2009 in Harbin, China
<http://www.icctp.org.cn/default.asp>

XXVIIe International Baltic Road Conference
August 24-26, 2009 in Riga, Latvia
<http://www.lvceli.lv/en/?i=124>

21st Belgian Road Congress
September 22-25, 2009 in Gent, Belgium
<http://www.wegencongres.be>

9th International Conference on Concrete Block Paving
October 18-21, 2009 in Buenos Aires, Argentina
<http://www.iccbp2009.com.ar>

TREMTI 3: 3rd International Symposium on Stabilization and Recycling
November 12-14, 2009 in Antigua, Guatemala

Ninth International Symposium on Brittle Matrix Composites (BMC9)

October 25-28, 2009 in Warsaw, Poland

<http://bmc.ippt.gov.pl/>

13th International Winter Road Congress

February 8-11, 2010 in Quebec City, Canada

<http://www.aipcrquebec2010.org>

1st International Conference on Pavement Preservation

April 12-16, 2010 in Newport Beach, California, USA

<http://www.pavementpreservation.org/icpp/>

First International Conference on Nanotechnology in Cement and Concrete

May 5-7, 2010, in Irvine, California, USA

11th International Symposium on Concrete Roads

Organized by EUPAVE

October 13-15, 2010 in Seville, Spain

<http://www.2010concreteroads.org/>

24th World Road Congress

September 25-30, 2011 in Mexico City, Mexico

<http://www.piacr.org/en/congresses-seminars/road-congresses.htm>



International Conference on Concrete Pavement Design, Construction, and Rehabilitation

Tentatively planned for 2011

Chang'an University, Xi'an, Shaanxi Province, P.R. China

<http://www.concretepavements.org/>



10th International Conference on Concrete Pavements

Organized by ISCP

Tentatively planned for a location in Canada in 2012

<http://www.concretepavements.org/>

If you wish to submit an announcement and/or link for an upcoming conference, meeting, or call for papers for the next ISCP e-newsletter, please contact us at newsletter@concretepavements.org.

The ISCP E-Newsletter is produced by Editor-in-Chief, Amanda Bordelon, Associate Editor, Dr. Jake Hiller, and Assistant Editors: Cristian Gaedicke, Corey Zollinger, and Nancy Whiting. Suggestions for future newsletters are welcomed at newsletter@concretepavements.org.

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