



International Society for Concrete Pavements

ISCP e-Newsletter
Vol. 5, No. 4
September 2008

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Highlights from the 9th International Conference

Conference Overview

The 9th International Conference on Concrete Pavements (ICCP) was held in San Francisco, California, USA on August 17-21. The conference was attended by more than 330 people from more than 30 different countries.



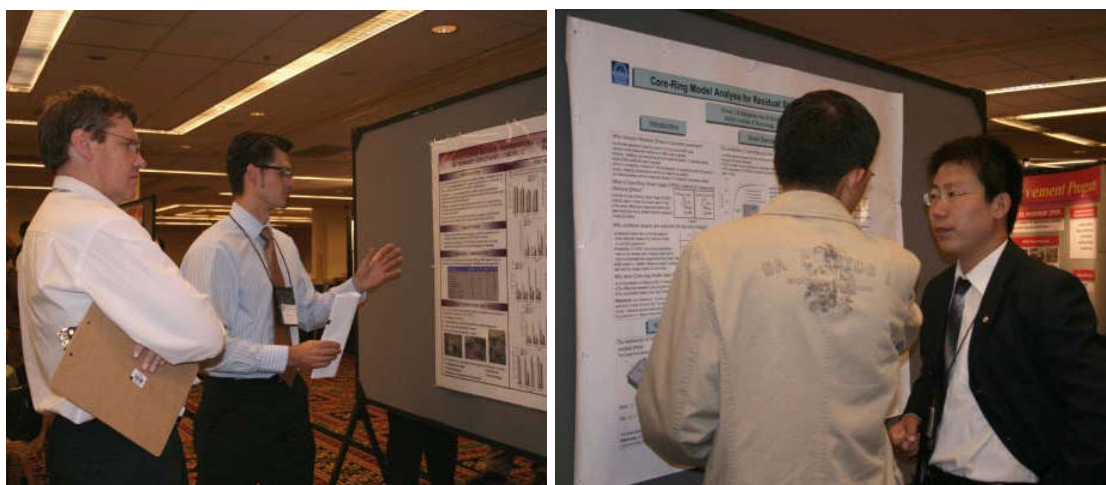
9th ICCP attendees listen in during a session.

The conference included nearly 80 accepted and invited presentations in 18 technical sessions and a plenary session. The technical session program was developed after a team of approximately 40 reviewers evaluated nearly 100 submitted manuscripts and accepted approximately 70 for publication and presentation.

There were also ten ISCP "Hot Topic" Workshops on a variety of concrete pavement-related topics ranging from "100-Year Concrete Pavements" and "Precast Concrete Pavement Technology" to "Concrete Pavement Sustainability" and "Innovative Materials and Construction Techniques." A special training workshop on continuously reinforced concrete pavements was organized and conducted by the Concrete Reinforcing Steel Institute and the U.S. Federal Highway Administration (FHWA).

The exhibition hall included 17 booths featuring a range of concrete pavement-related products and services. The U.S. FHWA Mobile Concrete Lab was also on site for the entire week, offering attendees the opportunity to view and experience the latest concrete pavement testing and evaluation technology.

Students Present Posters on Current Research



Student poster authors present research to judges and conference attendees.



Eighteen students prepared and presented poster boards describing their ongoing or recently completed research activities. These poster boards were on display in the Exhibition Hall from Sunday through Wednesday. A panel of nine judges evaluated the technical content and quality of the poster boards as well as the students' understanding and knowledge of the presented material. The quality of this year's entries was extremely high and the judges had a difficult time in determining a single winner for the B. Frank McCullough Award for Outstanding Student Poster Board Presentation. A three-way tie was declared among the following students:

- Victor Cervantes (University of Illinois at Urbana-Champaign, USA) for his poster "Recycled Concrete Aggregate Concrete for Rigid Pavements"
- Vimy Henderson (University of Waterloo, Canada) for her poster "Pervious Concrete Pavement: An Integrated Laboratory and Field Study"
- Priyam Saxena (University of Minnesota, USA) for her poster "Laboratory and Analytical Modeling of Misaligned Dowels"



B.F. McCullough Award co-winners: ISCP President Dan Zollinger with Victor Cervantes (left) and Vimy Henderson (center). B.F. McCullough Award co-winner Priyam Saxena (right) presents her poster before the awards dinner.

ISCP congratulates all of the student poster board competitors (and their advisors) on the excellent quality of their work and wishes them the best as they complete their research efforts and degrees.

Award Winning Papers

The Bengt F. Friberg Award for Outstanding Paper by a Young Author was won by:

- Matthew Beyer and Jeffery Roesler (University of Illinois, USA) for the paper titled "Effective Initial Crack Depth in Exposed Concrete Surfaces".

The American Concrete Pavement Association's Robert G. Packard Award for Design or Design Innovations for Concrete Pavement was won by:

- Syed Waqar Haider, Neeraj Buch, and Karim Chatti (Michigan State University, USA) for the paper titled "Evaluation of M-EPDG for Rigid Pavements – Incorporating the State of the Practice".



Left picture: ISCP President Dan Zollinger presenting (right) to Bengt F. Friberg Award winners Jeff Roesler (left) and Matt Beyer (center). Right picture: ACPA President Jerry Voight (center) presenting to Robert G. Packard Award winners Syed Waqar Haider (left) and Neeraj Buch (right).

There was a two-way tie for the Eldon J. Yoder Award for Outstanding Paper of the Conference, which was won by:

- Justin Moss (New South Wales Roads and Traffic Authority, Australia) for the paper titled "Pavement Flexural Fatigue Capacity, and the Influence of Mix Charging Sequence."
- Mark B. Snyder (Engineering Consultant, USA) for the paper titled "Lessons Learned from MnROAD (1992-2007): Five-Inch Concrete Pavement"



Eldon J. Yoder Award co-winners: ISCP President Dan Zollinger with Justin Moss (left) and Mark Snyder (right).

Post-Conference Follow-Up

While the technical aspects of the Conference generally went off without a hitch, there were some problems with the vendors that were responsible for printing the Conference Proceedings and the shipping of backpacks and briefcases. In addition, there were some difficulties in collecting workshop presentations for distribution on site. These problems prevented the timely distribution of these materials at the Conference.

New CD-ROMs containing the Conference proceedings and available workshop presentations and will be mailed very soon to all regular conference registrants, along with hard copies of the Proceedings for those who ordered them. A conference backpack or briefcase will also be sent to anyone who did not receive one at the conference, and ball caps will be sent to all early-bird registrants. ISCP regrets any inconvenience that the delay in delivering these items may have caused.

ISCP would also like to remind educational institutions that free hard copies of the Conference Proceedings are available for Departmental/College/University libraries upon request (one copy per institution).

Finally, an excellent selection of conference photos is being prepared and will be posted on the ISCP website at www.concretepavements.org. Watch the home page for a link to view these photos soon!

Acknowledgments and Thanks!!

A successful conference of this magnitude comes about only through the hard work and cooperation of MANY individual volunteers. For this conference, the list is long and includes: Kathleen Hall (Conference Chair), Neeraj Buch (Editorial Chair), Jamshid Armaghani (Workshop Chair), Elin Jensen (Student Poster Board Competition Chair), members of the Conference Steering Committee, chairs and presenters in each of the "Hot Topic" workshops, judges for the student poster board competition, reviewers of all of the conference manuscripts, and all of the authors and presenters. The quality of the conference was also elevated by the presence and contributions of the numerous exhibitors.



Various scenes from the 9th International Conference on Concrete Pavements in San Francisco, California, USA.

The conference also benefitted greatly from the financial and in-kind support provided by the following co-sponsors: Platinum Level (>\$5000): U.S. Federal Highway Administration and American Concrete Pavement Association; Gold Level (>\$3000): Cement Association of Canada, Portland Cement Association and Prairie Material; Silver Level (>\$1500): Southwest Chapter – ACPA, Cement and Concrete Institute (South Africa), Concrete Reinforcing Steel Institute, Federation of the Belgian Cement Industry (FEBELCEM), Holcim (US), National Concrete Pavement Technology Center (US), California Department of Transportation, European Concrete Paving Association (EUPAVE), Transportation Research Board, and University of California Pavement Research Center.



Various scenes from the 9th International Conference on Concrete Pavements in San Francisco, California, USA.

Special thanks is also due to numerous ACPA chapters, state and federal agencies, cement companies and promotion groups and other organizations who provided travel grants and financial assistance to the student poster board competitors, as well as to the U.S. FHWA, which paid the students' conference registration fees.



Various scenes from the 9th International Conference on Concrete Pavements in San Francisco, California, USA.

The success of the 9th International Conference is due to the efforts of all of these volunteers and contributors and many other people as well (e.g., Occasional Events [the event management service], the hotel administration and staff, etc.). ISCP thanks everyone most sincerely!

What's New at ISCP

ISCP Board Changes Election Process, Initiates Tech Transfer Activities

The ISCP Board of Directors met for several hours on August 16, 2008 in advance of the 9th International Conference on Concrete Pavements. The following is a summary of some of the more important developments that resulted from that meeting:

A draft Memorandum of Understanding (MOU) for Affiliate Organizations was presented and discussed. The purpose of this MOU is to provide a template for formalizing relations between ISCP and regional sister organizations around the world by defining the nature of cooperation, levels of information sharing and technology transfer, and membership privileges between organizations. An ad hoc committee was established to refine the draft document and the revised document will be presented at the January Board/Membership meeting.

The processes of nominating and electing Board members and Officers was modified as follows:

Qualifications for Director Nominees:

- Must be nominated by two sponsors who are members of the Society in good standing.
- Must accept the nomination.
- Must have been a member of ISCP (in good standing) for at least three years.
- Must be able to converse in English.
- All nominees must provide a one-paragraph statement of qualifications and/or goals for inclusion on the ballot.

Additional Qualifications for Officer Nominees:

- Must have served at least one term as a Board Member

The Nominating Committee will develop a slate of candidates for the ballot, but the ballot will include ALL nominees meeting the criteria listed above (in previous elections, only the Nominating Committee's slate of candidates was listed, although space for write-ins was provided).

Nominees with the greatest number of votes will be seated on the Board, subject to the geographic limits imposed by the Board in August 2007 (i.e., no more than 5 directors can be residents of the same country).

Several options were considered for reorganizing the day-to-day operating functions of the Society to reduce the growing workload on the Secretary-Treasurer (a voluntary position). The Board authorized the hiring of temporary administrative support for the remainder of 2008 and authorized the President to start a search for a part-time executive director for the Society.

Annual individual membership dues (which have been constant at \$50/year since 1998) were raised to \$75 for 2009 and \$100 for 2010. The Membership Committee was charged with looking into the possibility of tiered membership levels for Corporate/Organizational members, with different benefits at each level.

The next Society meeting will be the Annual Board and Membership Meeting, tentatively scheduled for Saturday, January 10, 2009 at 17h30 Eastern Time (US) in Washington, DC, USA, in conjunction with the Annual Meeting of the Transportation Research Board.

A complete draft version of the minutes of this meeting will soon be posted on the ISCP website at:

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

IJPE Call for Papers for Special Concrete Pavements Issue

The [International Journal of Pavement Engineering](#) (IJPE) has issued a call for papers for a special issue of the Journal that will be devoted to key topics related to concrete pavements, including (but not limited to) materials, design, construction, analysis, performance, rehabilitation and management. It is expected that this issue will summarize past accomplishments in rigid pavement research, examine concrete pavement behavior and structural responses, address current needs in characterizing concrete materials, and identify new concepts that can be viewed as potential "next-generation tools" for future design methodologies. IJPE published a similarly themed concrete pavements issue in December 2006.

The International Society for Concrete Pavements has designated the IJPE as the Society's archival journal. Members and friends of the Society are strongly encouraged to take advantage of this opportunity to contribute to this special issue of the most highly regarded international journal devoted solely to pavement engineering.

Instructions for manuscript preparation and submittal can be found at the [following link](#).

Wanted: Concrete Pavement Graduate Program Brochures

In an effort to publicize educational and research opportunities for concrete pavement students around the world, ISCP is continuing to assemble and post program information from universities that offer graduate and/or undergraduate studies and conduct research in areas related to concrete pavements and materials. ISCP currently has one undergraduate-level and seven graduate-level university profiles listed online at: <http://www.concretepavements.org/universities>

ISCP would like to expand the current listing to include submissions from all universities with graduate programs in concrete pavements and materials. Representatives of interested programs should submit a one-page profile of the university, research(ers), and institutes within the university that are involved with concrete pavement research. An MS-Word document template for this information can be found at the website listed previously, and any questions concerning this initiative can be addressed to Dr. Jake Hiller at website@concretepavements.org.

Please help ISCP to develop this resource for students interested in concrete pavements and materials!

Industry Notes

ACPA to host Concrete Pavement Sustainability Webinar

A Concrete Pavement Sustainability webinar is being offered by the American Concrete Pavement Association (ACPA) on Tuesday, September 9, 2008, from 1:00 to 2:30 p.m. (Central Time – U.S.). Topics to be covered include: sustainability of cement and concrete, how concrete pavements can contribute to sustainable development, sustainability-related features and benefits of concrete pavements, and other "must have" information for agencies, contractors, designers, and other stakeholders in surface-transportation construction.

The webinar cost is US\$25.00 per person, which includes a downloadable copy of the presentation, examination and certificate. Registrations must be received before **noon (Central Time – U.S.) on Thursday, September 4, 2008**.

For additional information or answers to any questions about this webinar, please contact Debbie Becker at dbecker@pavement.com.

Registration Open for the European Airport Pavement Workshop

CROW Technology Platform in the Netherlands is very happy to announce the second European Airport Pavement Workshop. This CROW-organized workshop will take place on May 13th and 14th, 2009 near Amsterdam's Schiphol Airport. The main themes of the workshop are all related to airport pavements:

- pavement design & construction, including PCN calculations and FWD measurements
- environmental issues (e.g., recycling, sustainability)
- safety on pavements (e.g., roughness, evenness, and bearing capacity)

These themes are indicative and are intended to stimulate participants to write on similar or related subjects.

CROW would like to invite airport managers, technicians and researchers to pre-register and submit abstracts before September 1, 2008 for any papers to be considered for inclusion in this workshop. Further details and a pre-registration form are available online at <http://www.crow.nl/engels>.

CROW is the Dutch not-for-profit Technology Platform (supported by airport authorities, contractors, consultants and universities) dealing with research on various subjects regarding pavements. The European Airport Pavement Workshop is organized by CROW once every four years.

Upcoming Technology Transfer and National Concrete Consortium Meetings

The next Technology Transfer Concrete Consortium (TTCC) and National Concrete Consortium (NCC) meetings will be held in Minneapolis, MN, USA at the Park Plaza Hotel from September 23-25, 2008. If you wish to attend, please register online and mention the National Concrete Consortium block to receive the group rate of \$115/night.

The agenda and registration forms are now available online at

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

The minutes and presentations from last April's meeting in Baton Rouge are also available on the website.

National Open House for Two-Lift Paving to be held in Kansas

In May 2006, a team of 13 concrete pavement and materials specialists from the United States visited Canada and five European countries to identify design philosophies, materials requirements, construction practices, and maintenance strategies for constructing and managing portland cement concrete pavements with long life expectancies. The team identified two-lift construction as having significant potential for implementation in the United States.

On October 15th and 16th, 2008, an "open house" for two-lift concrete paving will be held in Salina and Abilene, Kansas. The open house is being organized by the U.S. National Concrete Pavement Technology Center with the support of the U.S. Federal Highway Administration, Kansas Department of Transportation, Missouri/Kansas Chapter of the American Concrete Pavement Association and the South Central Cement Promotion Association. The event will include a visit to the construction site along US Interstate 70.

For registration forms and more information about the program, please visit the event website:

<http://www.cptechcenter.org/projects/two-lift-paving/Two-LiftProgram.htm>

American Shotcrete Association announces 2008-2009 Graduate Scholarship Program

The American Shotcrete Association (ASA) is now accepting applications for Graduate Scholarships for the 2008-2009 academic year. The purpose of the ASA Graduate Scholarship Program is to attract, identify, and assist outstanding graduate students pursuing careers in the field of concrete with a significant interest in the shotcrete process. Two \$3000 (USD) awards are available through ASA to eligible applicants for the 2008-2009 academic year. First or second-year full time graduate students are eligible for this award.



One scholarship will be awarded to a graduate student attending an accredited college or university within the United States and the second scholarship will be awarded to a graduate student attending Laval University in Canada. The application information and requirements are found at: www.shotcrete.org/ASA_Scholarships0809.htm. The applications and all required documents must be received by **5:00 p.m. Eastern Time (U.S.) on September 1, 2008**.

Research News

2nd Workshop on Advanced Characterization, Modeling, and Design of Concrete Pavements

The 2nd Workshop on the Advanced Characterization, Modeling, and Design of Concrete Pavements was held at the University of California at Berkeley Pavement Research Center (USA) from August 13-16. This highly successful event brought together experts in concrete materials characterization, mechanics, modeling, and design to critically discuss and develop concepts that address existing limitations, lack of knowledge, and future directions concerning the improvement of concrete pavement analysis, design, and construction.



Participants of the ISCP-sponsored Workshop in Richmond, CA from Aug. 13-16, 2008.

Three invited keynote presentations by Dr. Lev Kagan-Rozentsveyg (St. Petersburg State University of Architecture and Civil Engineering, Russia), Dr. David Lange (University of Illinois, USA), and Dr. Bo Tian (Research Institute of Highway, P.R. China) summarized the state-of-the art in concrete pavement and material modeling, testing, and relevant applications. In addition to the keynote addresses, more than 20 presentations were made by researchers representing 8 countries (Sweden, South Africa, Germany, Russia, Chile, P.R. China, Brazil, and the USA). Approximately 40 participants attended the event and the workshop format provided ample discussion time after each presentation.

A copy of the final workshop program (including presentation abstracts) can be downloaded from the ISCP website at: <http://www.concretepavements.org/2ndworkshop/>

This workshop was organized by ISCP and was co-sponsored by the Center for Excellence in Aviation Technology (CEAT) at the University of Illinois, Federal Aviation Administration (FAA), Illinois Center for Transportation, Michigan Technological University Transportation Institute, University of Minnesota Pavement Research Institute (PRI), and the University of California Pavement Research Center (UCPRC).

Source: Jeffery R. Roesler, Ph.D., P.E., 2nd Workshop Co-Chair

FHWA CPTP Conference Call for Papers

A 2 1/2-day conference is being organized as a part of technology transfer activities for the US National Concrete Pavement Technology Program (CPTP) that operates within the Federal Highway Administration. The conference will provide a national forum to address various aspects of concrete pavement preservation, repair and rehabilitation activities and strategies that result in safer, smoother, and extended service life concrete pavements with the least life-cycle costs. The technical program will include technical sessions, practice oriented forums, and a workshop on concrete pavement preservation.

The conference will be held at the Hyatt Regency St. Louis Riverfront Hotel in St. Louis, Missouri, USA from April 22nd- April 24th, 2009. The Concrete Pavement Preservation Workshop will be held just prior on April 21st, 2009 at the same location.

Papers and conference presentations are solicited both nationally and internationally on a wide range of topics dealing with technologies to optimize the preservation, repair and rehabilitation of concrete pavements. Abstracts for the conference are due by October 15th, 2008.

For further information and updates, please check the website:

<http://www.fhwa.dot.gov/pavement/concrete/2009CPTPconf.cfm>

Or visit www.fhwa.dot.gov/pavement/concrete for more information about CPTP.

Upcoming Events

Second Brazilian Workshop on Concrete Pavements
September 7-8, 2008 in Salvador, Bahia, Brazil
<http://www.ibracon.org.br/eventos/50cbc/pavimentos.asp>

Concrete Paving Equipment Forum

Organized by the Australian Society for Concrete Pavements (ASCP)
September 8, 2008 in Ryde, New South Wales, Australia
<http://www.concretepavements.com.au>

Technology Transfer Concrete Consortium (TTCC) and National Concrete Consortium (NCC) meetings

September 23-25, 2008 in Bloomington, Minnesota, USA
http://www.cptechcenter.org/t2/ttcc_ncc_meeting.cfm

Interoute & Ville 2008 - Road and Urban Infrastructure Exhibition and Conference

September 23-25, 2008 in Rennes, France
<http://en.interoute-ville.com/ExposiumCms/do/admin/visu?reqCode=accueil>

BRITPAVE Dinner and Seminar

September 29-30, 2008 in Stratford-upon-Avon, UK
http://www.britpave.org.uk/events_stratford.html

8th International Conference on Creep, Shrinkage, and Durability of Concrete and Concrete Structures (CONCREEP8)

September 30 - October 2, 2008 in Ise-Shima, Japan
<http://concrete-lab.civil.nagoya-u.ac.jp/concreep8/>

3rd International Conference on Accelerated Pavement Testing

October 1-3, 2008 in Madrid, Spain
<http://www.cedex.es/apt2008/>

2nd European Road Safety Day - "Road Safety in our Cities"

October 13, 2008 in Paris, France
http://ec.europa.eu/transport/roadsafety/road_safety_days/index_2008_en.htm

National Two-Lift Paving Workshop

October 15-16, 2008 in Salina/Abilene area, Kansas, USA
<http://www.cptechcenter.org/projects/two-lift-paving/Two-LiftProgram.htm>

ASCE TD&I Pavement Conference

October 15-18, 2008 in Bellevue, Washington, USA
<http://content.asce.org/conferences/pavements2008/>

6th Symposium on Pavement Surface Characteristics (SURF 2008)

October 20-22, 2008 in Portorož, Slovenia
<http://www.surf2008.si/>

ACI Fall Convention

November 2-6, 2008 in St. Louis, Missouri, USA
<http://www.aciconvention.org>



ISCP Annual Membership and Board Meeting

January 10, 2008 in Washington, D.C., USA
<http://www.concretepavements.org/>

88th Annual Meeting of the Transportation Research Board

January 11-15, 2009 in Washington, D.C., USA
<http://trb.org/meeting/2009/default.asp>



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/>

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>

Sixth International Conference on Maintenance and Rehabilitation of Pavements and Technological Control (MAIRE PAV 6)

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/>

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>



11th International Symposium on Concrete Roads

Organized by EUPAVE

October 13-15, 2010 in Seville, Spain

<http://www.eupave.eu>

24th World Road Congress

September 25-30, 2011 in Mexico City, Mexico

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



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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