12th International Conference on Concrete Pavements

2021

Virtual Event!
September 27 - October 1

"Making Waves with Durable, Resilient Concrete Pavements"

Organized by:
International Society for Concrete Pavements
in conjunction with:
Minnesota DOT
National Road Research Alliance
Australian Society for Concrete Pavements
Transportation Research Board
and the
European Concrete Paving Association

Sponsored by:
Lehigh Hanson
American Concrete Pavement Association
Cemex

12th ICCP Website: 12thiccp.concretepavements.org
Full Program: https://12thiccp.concretepavements.org/program/
Registration: https://12thiccp.concretepavements.org/register/
The 12th ICCP theme:

“Making Waves with Durable, Resilient Concrete Pavements”

This 12th ICCP was originally scheduled for August, 2020 at “The Depot” in Minneapolis, Minnesota, USA, but the global COVID-19 pandemic has continued to spread. Taking into account the unprecedented health measures being taken in countries around the world, unpredictable international travel feasibility, and limited travel opportunities for U.S. state agencies, the 12th ICCP Organizing Committee worked diligently to find the best solution for conference attendees, venues, and the Society itself. Ultimately, the best decision was made for all involved to hold the 12th ICCP 2021 ONLINE!

The International Concrete Pavements Conference (ICCP) has been held every 4 years since 1977. The twelfth conference 2021 will carry on the tradition of a series of international conferences begun in 1977 by Purdue University (ICCPs 1–6), then subsequently hosted by ISCP starting with 7th in 2001, in Orlando, Florida. The 12th ICCP 2021 will continue with the traditional focus—present information on new technologies related to the design, construction and rehabilitation of various concrete pavements. Targeted for those who are involved in any aspect of concrete pavement design, practicing research, construction, testing, evaluation, and rehabilitation including the following:

- Pavement, materials, & geotechnical engineers
- Federal, state, provincial, & municipal engineers
- Consulting engineers
- Contractors
- Material Suppliers
- Academia

ISCP is partnering with SB2 to utilize their virtual campus named “The Aggregate” to host this major international conference with:

- **96 technical presentations**—(live and recorded) comprise comprehensive and current coverage on concrete pavement technology
- **10 four-hour workshops**— unique online networking opportunities

As we all look forward to a future filled with normalcy and face-to-face opportunities, ISCP will host the:

**13th ICCP 2024**
August 25-29, 2024
in person at “The Depot”
Minneapolis, Minnesota, USA

In the meantime, if you have any questions regarding the conference, please contact us at: conference@concretepavements.org

**IMPORTANT LINKS:**

**12TH ICCP WEBSITE:**
12thicc.concretepavements.org

**FULL PROGRAM:**
https://12thicc.concretepavements.org/program/

**REGISTER:**
https://12thicc.concretepavements.org/register/
REGISTRATION

To promote a wide-reaching international audience, 12th ICCP 2021 registration prices:

USD $80.00 for the first 1,000 registrants
USD $120.00 after 1,000th registration has been reached

To REGISTER, please click here; on each page of this Program Summary; or go to the 12th ICCP Website registration page and click the button at the bottom of the page: https://12thiccp.concretepavements.org/register/

All papers must have at least one author registered for your manuscript to be published in the proceedings.

Refunds:
- Cancellations by September 1, 2021 will be fully refunded
- No refunds after September 1, 2021: Instead, ISCP will provide access to proceedings + materials.

PROGRAM SUMMARY

For the FULL PROGRAM, please go to: https://12thiccp.concretepavements.org/program/

MONDAY, SEPTEMBER 27, 2021

PLENARY SESSION

6:00 AM Los Angeles | 9:00 AM New York | 2:00 PM London
4:00 PM Nairobi | 6:30 PM Mumbai 9:00 PM Beijing
11:00 PM Brisbane

Conference Welcome
Jacob Hiller

The Aggregate Orientation
SB2 representative

Concrete Pavement Resilience
Leif Wathne

Honorary Members Induction
Presented by
Jacob Hiller (USA)
Jeff Roesler (USA)
Peter Taylor (USA)
Michael Darter (USA)
Luc Rens (BELGIUM)

Inductees
Neeraj Buch (USA)
Dale Harrington (USA)
Bryan Perrie (SOUTH AFRICA)
R.K. Jain (INDIA)
Carlos Jofré (SPAIN) – posthumously

Future for Concrete Pavements
Jeffery Roesler

BREAK
7:45 AM Los Angeles | 10:45 AM New York
3:45 PM London 5:45 PM Nairobi | 8:15 PM Mumbai
10:45 PM Beijing | 12:45 AM+1 Brisbane

PODUM SESSIONS

8:00 AM Los Angeles | 11:00 AM New York
4:00 PM London 6:00 PM Nairobi | 8:30 PM Mumbai
11:00 PM Beijing | 1:00 AM+1 Brisbane

PODUM SESSION 1: Airfields

PODUM SESSION 2: Moisture Effects

PODUM SESSION 3: LCA

Networking and Break
11:00 AM Los Angeles | 2:00 PM New York
7:00 PM London 9:00 PM Nairobi | 11:30 PM Mumbai
2:00 AM+1 Beijing | 4:00 AM+1 Brisbane

WORKSHOPS

9:45 AM Los Angeles | 12:45 PM New York
5:45 PM London | 7:45 PM Nairobi | 10:15 PM Mumbai
12:45 AM+1 Beijing 2:45 AM+1 Brisbane

WORKSHOP 1: Internal Curing for Concrete Paving (Sponsored by ESCSI)

WORKSHOP 2: Design and Evaluation of Rigid Airfield Pavements (Sponsored by FAA)
TUESDAY, SEPTEMBER 28, 2021

WORKSHOPS
6:00 AM Los Angeles | 9:00 AM New York | 2:00 PM London
4:00 PM Nairobi | 6:30 PM Mumbai 9:00 PM Beijing
11:00 PM Brisbane

WORKSHOP 3: Fiber-Reinforced Concrete Materials for Pavements (Sponsored by FRCA)
WORKSHOP 4: Pavement Resiliency (Sponsored by FHWA)

Networking and Break
9:45 AM Los Angeles | 12:45 PM New York
5:45 PM London | 7:45 PM Nairobi | 10:15 PM Mumbai
12:45 AM+1 Beijing | 2:45 AM+1 Brisbane

PODIUM SESSIONS
11:00 AM Los Angeles | 2:00 PM New York
7:00 PM London 9:00 PM Nairobi | 11:30 PM Mumbai
2:00 AM+1 Beijing | 4:00 AM+1 Brisbane

PODIUM SESSION 4: Overlays, Part 1
PODIUM SESSION 5: Built and Novel Environment
PODIUM SESSION 6: Geotechnical Aspects

Break
12:45 PM Los Angeles | 3:45 PM New York
8:45 PM London 10:45 PM Nairobi | 12:30 AM+1 Mumbai
3:45 AM+1 Beijing 5:45 AM+1 Brisbane

PODIUM SESSIONS
1:00 PM Los Angeles | 4:00 PM New York | 9:00 PM London
11:00 PM Nairobi | 1:30 AM+1 Mumbai | 4:00 AM+1 Beijing
6:00 AM+1 Brisbane

PODIUM SESSION 7: Overlays, Part 2
PODIUM SESSION 8: Long-Life Pavements
PODIUM SESSION 9: Case Studies

WEDNESDAY, SEPTEMBER 29, 2021

PODIUM SESSIONS
6:00 AM Los Angeles | 9:00 AM New York | 2:00 PM London
4:00 PM Nairobi | 6:30 PM Mumbai 9:00 PM Beijing
11:00 PM Brisbane

PODIUM SESSION 10: CRCP Case Studies
PODIUM SESSION 11: Freeze-Thaw Durability
PODIUM SESSION 12: Policy

Break
7:45 AM Los Angeles | 10:45 AM New York
3:45 PM London 5:45 PM Nairobi | 8:15 PM Mumbai
10:45 PM Beijing | 12:45 AM+1 Brisbane

PODIUM SESSIONS
8:00 AM Los Angeles | 11:00 AM New York
4:00 PM London 6:00 PM Nairobi | 8:30 PM Mumbai
11:00 PM Beijing | 1:00 AM+1 Brisbane

PODIUM SESSION 13: Optimization
PODIUM SESSION 14: Sustainable Materials
PODIUM SESSION 15: Specifications

Networking and Break
9:45 AM Los Angeles | 12:45 PM New York
5:45 PM London | 7:45 PM Nairobi | 10:15 PM Mumbai
12:45 AM+1 Beijing 2:45 AM+1 Brisbane

WORKSHOPS
10:00 AM Los Angeles | 1:00 PM New York
6:00 PM London | 8:00 PM Nairobi | 10:30 PM Mumbai
1:00 AM+1 Beijing | 3:00 AM+1 Brisbane

WORKSHOP 5: Continuously Reinforced Concrete Pavements (Sponsored by CRSI)
WORKSHOP 6: Performance-Engineered Mixtures (Sponsored by NCPTC)
ICCPs have a long history of excellence in technology transfer and a highlight of awards granted to the best of several categories which the 12th ICCP 2021 will continue during the Wednesday Ceremony:

• Bengt F. Friberg Award for Outstanding Paper by a Young Author
• American Concrete Pavement Association Robert G. Packard Award for Design or Design Innovations for Concrete Pavement
• Eldon J. Yoder Award for Outstanding Paper of the Conference

For descriptions of all awards, and previous conference recipients, please go to: [https://12thiccp.concretepavements.org/awards/](https://12thiccp.concretepavements.org/awards/)
ORGANIZING COMMITTEE

Jake Hiller  Conference Chair & ISCP President
Leif Wathne  Sponsorship & Past Chair
Corey Zollinger  Finance
Tim Smith  Past Chair
Bernard Izevbekhai  Student Competition

Tom Burnham  Local Organizing Chair
Armen Amirkhanian  Technical Program & Paper Review
Jeff Roesler  Workshops & ISCP Past President
Nadine Murray  Ex-Officio

For all of our dedicated Committee Members’ bios, please go to the ORGANIZING COMMITTEE page: https://12thiccp.concretepavements.org/planning/

ORGANIZERS

ORGANIZED by:
International Society for Concrete Pavements
in conjunction with:
Minnesota DOT; National Road Research Alliance; Australian Society for Concrete Pavements
Transportation Research Board and the European Concrete Paving Association

12TH ICCP WEBSITE: 12thiccp.concretepavements.org
FULL PROGRAM: https://12thiccp.concretepavements.org/program/
REGISTRATION: https://12thiccp.concretepavements.org/register/
The International Society for Concrete Pavements (ISCP) is extremely grateful for the steadfast sponsorship of the conference and workshops provided by the following organizations. These organizations have been patient with the Society as we navigate the best path to provide high-quality technology transfer opportunities for our field during difficult times these past 2 years. For questions or more information on being a sponsor of the 12th International Conference on Concrete Pavements or future events, please contact: Leif Wathne | Sponsorship & Past Chair - 12th ICCP
Phone: +1.202.638.2272
E-mail: conference.sponsorships@concretepavements.org

EXHIBIT opportunities will be posted shortly online at The Aggregate virtual campus. For questions or more information on being an exhibitor of the 12th International Conference on Concrete Pavements, please contact:
Jake Hiller | Chair - 12th ICCP
Phone: +1.906.281.0743 | E-mail: conference@concretepavements.org

12TH ICCP WEBSITE: 12thiccp.concretepavements.org
FULL PROGRAM: https://12thiccp.concretepavements.org/program/
REGISTRATION: https://12thiccp.concretepavements.org/register/