WELCOME TO THE 12TH ICCP 2021

The International Society for Concrete Pavements (ISCP) will hold the 12th International Conference on Concrete Pavements (12th ICCP 2021) September 27 to October 1, 2021, with the theme:

“Making Waves with Durable, Resilient Concrete Pavements”

The 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 unprecedented health measures taken in countries around the world, international travel feasibility, and limited travel 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!

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 (#s1-6), 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 involved in any aspect of concrete pavement design, practicing research, construction, testing, evaluation, and rehabilitation including:

- 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:

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

Many agencies that regulate professional engineering registration have established continuing education requirements—Professional Development Hours (PDHs)—as a condition for registration renewal. Presentation and workshop attendance for the 12th ICCP 2021 should qualify for formal PDH credits (please check with your local registration board requirements to confirm). PDH reporting is on an “on-your-honor” basis and registrants are responsible for maintaining their own records. A form will be provided to 12th ICCP attendees for use in maintaining a record of the PDH units earned at this conference.

As we all look forward to a future filled with normalcy and face-to-face opportunities, ISCP will host the 13th ICCP 2024 in person at “The Depot” Minneapolis-Mn, USA

In the meantime, for questions regarding the conference, please contact us at: conference@concretepavements.org

IMPORTANT LINKS:
12th ICCP WEBSITE:
12thiccp.concretepavements.org
FULL PROGRAM:
https://12thiccp.concretepavements.org/program/
REGISTER:
https://12thiccp.concretepavements.org/register/
EXHIBITORS:
https://12thiccp.concretepavements.org/exhibitor-opportunities/
SPONSORS:
https://12thiccp.concretepavements.org/conference-sponsors/
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: Cement Auditorium

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
https://12thiccp.concretepavements.org/venue/

Concrete Pavement Resilience
Leif Wathne

Honorary Members Induction
Inductees
Neeraj Buch (USA)
Dale Harrington (USA)
Bryan Perrie (S.Africa)
Ram Kanwar Jain (India)
Carlos Jofré (Spain)

Presented by
Jacob Hiller (USA)
Jeff Roesler (USA)
Peter Taylor (USA)
Michael Darter (USA)
Rafael Rueda (Spain)

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: Cement Auditorium
Airfields: Moderator Greg Dean, Carolinas Concrete Paving Association-ACPA-SE

PODUM SESSION 2: Water Auditorium
Moisture Effects:
Moderator Yating Zhang, Jiangnan University

PODUM SESSION 3: Sand Auditorium
LCA: Moderator Luc Rens, Febelcem

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

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

WORKSHOP 1: Conf. Hall A
Internal Curing for Concrete Pavements
(Sponsored by ESCSI)

WORKSHOP 2: Conf. Hall B
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: Conf. Hall A
Fiber-Reinforced Concrete Materials for Pavements
(Sponsored by FRCA)

WORKSHOP 4: Conf. Hall B
Sustainability of Cement and Concrete Materials
(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: Cement Auditorium
Overlays, Part I:
Moderator Neeraj Buch, Michigan State University

PODIUM SESSION 5: Water Auditorium
Built and Novel Environment:
Moderator Tim Smith, CAC

PODIUM SESSION 6: Sand Auditorium
Geotechnical Aspects:
Moderator Bernard Izvebkhai, MnDOT

Break
12:45 PM Los Angeles | 3:45 PM New York
8:45 PM London | 0:45 PM Nairobi | 12:30 AM+1 Mumbai
3:45 AM+1 Beijing | 5:45+1 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: Cement Auditorium
Overlays, Part 2:
Moderator Eric Ferrebee, ACPA

PODIUM SESSION 8: Water Auditorium
Long-Life Pavements:
Moderator Tim Smith, CAC

PODIUM SESSION 9: Sand Auditorium
Case Studies: Moderator Jake Hiller, Michigan Technological University

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: Cement Auditorium
CRCP Case Studies:
Moderator Anna-Carin Brink, Arup

PODIUM SESSION 11: Water Auditorium
Freeze-Thaw Durability:
Moderator Jeffery Roessler, University of Illinois

PODIUM SESSION 12: Sand Auditorium
Policy: Moderator Todd LaTorella, MO/IKS Chapter-ACPA

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: Cement Auditorium
Optimization:
Moderator Manik Barman, University of Minnesota Duluth

PODIUM SESSION 14: Water Auditorium
Sustainable Materials:
Moderator Angela Folkestad, ACPA

PODIUM SESSION 15: Sand Auditorium
Specifications:
Moderator James Krstulovich, IDOT

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: Conf. Hall A
Continuously Reinforced Concrete Pavements
(Sponsored by CRSI)

WORKSHOP 6: Conf. Hall B
Performance-Engineered Mixtures
(Sponsored by NCPTC)

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

12TH ICCP WEBSITE: 12thiccp.concretepavements.org
THURSDAY, SEPTEMBER 30, 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 16: Cement Auditorium
Precast and Rapid Construction:
Moderator: Leif Wathne-ACP

PODIUM SESSION 17: Water Auditorium
Functional Evaluation:
Moderator: Erwin Kohler, 3ipe

PODIUM SESSION 18: Sand Auditorium
RCC and Heavy Loads:
Moderator: Corey Zollinger, CEMEX

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 19: Concrete Auditorium
Modeling:
Moderator: Hassan Baaj, University of Waterloo

PODIUM SESSION 20: Water Auditorium
Joint Quality: Moderator: Tom Burnham, MnDOT

PODIUM SESSION 21: Sand Auditorium
Pavement ME: Moderator: Mick Prieur, Englobe

Networking, Break, and
The Student Networking Session
Student Networking Session
https://12thiccp.concretepavements.org/studentpitch

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

WORKSHOPS 7 & 8 (above-next column)

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

WORKSHOP 7: Conf. Hall A
RCC Pavements Technology for Roads and Industrial Sites
(Sponsored by RCC Pavement Council)

WORKSHOP 8: Conf. Hall B
Precast Concrete Pavements
(Sponsored by NPCA)

FRIDAY, OCTOBER 1, 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 9: Conf. Hall A
Design of Industrial Concrete Pavement Systems
(Sponsored by PNA)

WORKSHOP 10: Conf. Hall B
Pavement Preservation
(Sponsored by IGGA)

PODIUM SESSIONS
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

PODIUM SESSION 22: Cement Auditorium
Thin Pavements:
Moderator: Sherry Sullivan, Forta

PODIUM SESSION 23: Water Auditorium
Construction Practices:
Moderator: John Becker, ACPA

PODIUM SESSION 24: Sand Auditorium
Curing and Repair:
Moderator: Peter Taylor, Iowa State University

AWARDS CEREMONY & WRAP-UP
12:00 PM Los Angeles | 3:00 PM New York
8:00 PM London | 10:00 PM Nairobi | 12:30 AM+1 Mumbai
3:00 AM+1 Beijing | 5:30+1 Brisbane

Introduction
Jacob Hiller, Michigan Technological University

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 Friday Ceremony:

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

Conference Wrap-Up
Jacob Hiller, Michigan Technological University

ICCP Awards information and previous recipients:
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  Workshop Co-Coordinator & ISCP Past President
Nadine Murray  Ex-Officio
Peter Taylor  Workshop Co-Coordinator
Sushobhan Sen  Student Pitch Coordinator
Lucio Salles  Student Pitch Coordinator

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/
CONFERECE SPONSORS

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 the SPONSORSHIP WEB PAGE, please go to: https://12thiccp.concretepavements.org/conference-sponsors/

For questions or more information on being a SPONSOR of the 12th International Conference on Concrete Pavements (12th ICCP) or future events, please contact:
Leif Wathne | Sponsorship & Past Chair - 12th ICCP
Phone: +1.202.638.2272
E-mail: conference.sponsorships@concretepavements.org

WORKSHOP SPONSORS

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