

2023 Tentative Conference Program (subject to change)

Sunday Nov 19, 2023

AM – Preconference Course – Master Curves for Dummy's. separate registration required.

PM – Preconference Workshop – What is Sustainability?

Monday, Nov 20, 2023

9AM – AGM

Morning Session 10:00 (following AGM)

1 Rheology of asphalt emulsions obtained by different evaporation methods *Martin Jasso, Brett Lambden*

2 Evaluating In-Place Compaction and Pay Adjustments Using Pavescan RDM *Chris Barnes, Adam Marlin*

3 Evaluation of a Bio-Oil to Improve the Performance of HMA Incorporating High-RAP *Vince Aurilio, Hussain Bahia*

Monday, Nov 20, 2023

Afternoon Session 13:30

4 Waterproofing efficiency of the Confederation Bridge after 25 years of services *Marc Proteau, Amélie Griggio, Donald McGinn*

5 Quality Control of Full-Depth Reclamation (FDR): A Case Study *Eric Lachance-Tremblay, Sébastien Lamothe, Michel Vaillancourt*

6 New Asphalt Binder Grade to Mitigate Climate Change Impacts on Canadian Asphalt Pavements *Surya Teja Swarna, Kamal Hossain*

7 Evaluation of Cracking Resistance of High-Performance Asphalt Mixes Composed of Asphaltenes Modified Binder and PET Fibers *Leila Hashemian, Nirob Ahmed, Mohamed Saleh, Taher Baghaee Moghaddam*

8 Development of Environmental Product Declarations (EPDs) for pavement materials in Canada *Alan Carter, Annie Levasseur, Jean-Martin Croteau, Vincent Grosshenny*

STUDENT POSTER SESSION

Tuesday, Nov 21, 2023

Morning Session 08:30

9 Performance of Binders Extracted from Asphalt Mixes with Very High RAP Content Rejuvenated with Epoxidized Soybean Oil *Reza Imaninasab, Marc-André Bérubé, Gabriel Orozco, Luis Loria-Salazar, Alan Carter*

10 A Novel Approach to Increasing Asphalt Cement Content *Stephen N. Goodman*

11 Laboratory Evaluation of Rheological, Chemical and Compositional Properties of Bitumen Recovered from RAP Mixtures Treated with Seven Different Recycling Additives (RA) with Aging *Gerald Reinke, Andrew Hanz, Jo E. Sias, Eshan V. Dave, Zheng Wang*

12 Impact of mix design property variability on field performance of asphalt *Lindsay Johnston, Sheldon Klassen, Luis Vega, Vipin Sharma*

13 Emissions and Fuel Savings Using WMA at Reduced Asphalt Mixture Production Temperatures *James Wurst III, Richard Steger, Katrina Mangiaracina, Everett Crews*

14 Long Term Performance of Projects Completed with CIR and FDR in City of Calgary *Vipin Sharma, Nasir-ul Mulk*

Tuesday, Nov 21, 2023

Afternoon Session 13:30

CONTRACTORS WORKSHOP

Diversity in the Paving Industry - Panel

Overcoming RAP Anxiety - Panel

Wednesday, Nov 22, 2023

Morning Session 08:30

15 Efficient and Effective Specification for Asphalts of Today *Pavel Kriz, John A. Noel, Christopher M. Campbell, John H. Brownie*

16 ASSESSING THE PERFORMANCE OF NEW ASPHALT CONCRETE MIX DESIGNS FOR THE PROVINCE OF NEW BRUNSWICK *Nora Ruiz Salom, Xiomara Sanchez*

17 Extreme Heat Events: Defining the Critical Scenario for Ontario Flexible Pavements *Alyssa Bernier, Sina Varamini, Kamal Hossain, Mohammad Shafiee*

18 Lessons Learned from Ontario Mix Asphalt Program? A Critical Look at Hamburg Wheel Tracking Test *Doubra Ambaiowei, Sina Varamini, Pejoohan Tavassoti-Kheiry, Selena Lavorato, and Chris Campbell*

19 Laboratory Performance Benchmarking of Asphalt Airfield Mixtures for Pearson International Airport Using Advanced Methods of Mechanistic Testing *Sina Varamini, Kevin Chee, Andrew Pahalani, Mazen Fallaha, Salman Bhutta*

20 5TH YEAR REVIEW OF INNOVATIVE DECK WATERPROOFING ASPHALT MIXTURE - HILLSBOROUGH BRIDGE, PEI EXPERIENCE *Michael Esenwa, Anton S. Kucharek, Alain Cormier, Stephen Yeo, Tim Cheverie*

Wednesday, Nov 22, 2023

Afternoon Session 13:30

21 Effect of Extended Oven Conditioning on the Performance of High RAP Asphalt Mixtures Containing Bio-based Rejuvenators *Hui Liao, Pejoohan Tavassoti, Hassan Baaj*

22 High RAP Mixtures in Alberta *Arash Ghahremani, Wayne Mah*

23 Evaluation of the Process and Placement of a Residential Slurry Seal Using a Highly Modified Asphalt Emulsion *Justin Suda, Anton Kucharek, Nathan Prosko, Faizal Kanji*

24 A Critical Look at the Semi-Circular Bend Test in Promoting Best Mix Performers *Saeid Salehi Ashani, Sina Varamini, Susan Tighe*

THE FOLLOWING TWO PAPERS PRESENTATION TENTATIVE

25 Investigating the combined effect of active and inert filler on rheological and mechanical performance of asphalt mastic and asphalt mixture *Shahrul Ibney Feroz, Ankan Mohajon, Debzani Mitra, SK Faisal Kabir, Kamal Hossain*

26 Automated Pavement Condition Evaluation: A Case Study of Delaware Department of Transportation's Implementation of the Pavement Surface Cracking Metric *Danilo Balzarini, Jason Trotter*