

2024 Tentative Conference Program (subject to change)

Sunday Nov 10, 2024

AM – Preconference Course – Enhancing Pavement Structural Design Using Cold Recycled Materials
Separate registration required.

PM – Preconference Workshop – Quality & Sustainability

Monday, Nov 11, 2024

9AM – AGM

Morning Session 10:00 (following AGM)

1 Effect of Placing Hot Mix Asphalt on Strength Development Cold In-Place Recycled Layer *Arash Ghahremani, Jean-Martin Croteau*

2 Evaluating the Laboratory Rutting and Cracking Resistance of RAP Asphalt Mixtures Designed with 60 Percent RAP Binder Availability *Amma Agbedor, R. Michael Anderson, Wesley G. Cooper*

3 Exploring the Laboratory Performance of High Reclaimed Asphalt Pavement Mixes for the Province of New Brunswick *Natalie Lee, Xiomara Sanchez-Castillo*

Monday, Nov 11, 2024

Afternoon Session 13:30

4 Use of Milk of Lime to Protect Tack Coats *Martin Lavoie, Félix Doucet and Idir Benamara*

5 Experimental Analysis of Electric Road Pavement Structures in Heavy Vehicle Simulator Tests *Danial Arzjani, Jean-Claude Carret, Jean-Pascal Bilodeau, Amélie Griggio, Marc Proteau, Itai Koren, Diego Ramirez Cardona*

6 Evaluation of Asphalt Tack Coats in Saskatchewan *Rielle Haichert, Ania Anthony, Aziz Salifu, Kelly Pederson, Roberto Soares*

STUDENT POSTER SESSION

Tuesday, Nov 12, 2024

Morning Session 08:30

7 Assessing the Mechanical Properties and Ageing Effects of Recycled Plastic-Modified Asphalt Mixes *Carla De Oliveira Pinto, Gabriel Orozco, Alan Carter*

8 Phase Angle at Constant Modulus in Polymer-Modified Asphalts *Pavel Kriz, John A Noel, Anton Kucharek, Christopher M Campbell*

9 Rheological characteristics of high-float emulsion residues *Martin Jasso, Darren Anweiler, Brett Lambden*

10 A Simplified Method to Estimate the Low Temperature Cracking Required Input for the AASHTOWare ME Using E* Data *Geoffrey Rowe, Sergio Raposo, Thomas Bennert, Christopher Ericson, Nick Cytowicz, Walaa Mogawer, Eshan Dave*

11 Evaluation of Asphalt Binder Aging Resistance through Asphaltenes Modification *Leila Hashemian, Nirrob Ahmed, Mohamed Saleh, Taher Baghaee Moghaddam*

12 Relating Binder Parameters to Asphalt Mixture Cracking Tests in the Laboratory *R. Michael Anderson, Amma Agbedor and Wesley G. Cooper*

Tuesday, Nov 12, 2024

Afternoon Session 13:30

CONTRACTORS WORKSHOP

CSI Construction Intent *Pavement failures, Causes and Solutions*
Quality Acceptance *A Discussion with Seasoned Industry Professionals*

Wednesday, Nov 13, 2024

Morning Session 08:30

13 New performance-based approach for formulations of asphalt mixes with a high percentage of Reclaimed Asphalt Pavement. *Amélie griggio, Marc Proteau, Jacques-Antoine Decamps*

14 Can One Mix Do it All? *Chris Campbell*

15 Enhancing Pavement Longevity and Structural Capacity with Aramid Fiber Reinforcement: A Case Study and Comparative Analysis *Phillip B. Blankenship, Mary Rawls Whitby, Randy Travis*

16 Investigation of Low-Temperature Properties of Fibre-Modified High-Performance Asphalt Concrete *Leila Hashemian, Mohamed Saleh, Nirrob Ahmed, Taher Baghaee Moghaddam*

17 Development of a Graphene-Polymer Composite for Asphalt Mixes *Donn Bernal, Eytan Mazor*

Pre-Luncheon Reception
Robert Nobel Awards Luncheon

Wednesday, Nov 13, 2024

Afternoon Session 13:30

18 Evaluating the Effectiveness of Geosynthetics in Reinforced Asphalt Overlays under Different Temperature Conditions *Thang Ho, Michel Vaillancourt, Ehsan Dave, Alan Carter*

19 Enhanced Acceptance Testing of Recovered Asphalt Binder for the Betterment of the Road Building Industry *Prabuddhika Dharmarathna, Pramodya Undugoda, Jianmin Ma, Simon A.M. Hesp*

20 Chemical and Rheological Analysis of the Impact of Styrene-Butadiene-Styrene (SBS) on Long Term Oxidative Aging of Polymer Modified Asphalt *Aditi Sharma, Roberto M. Aurilio, Mike Aurilio, Hassan Baaj, Pejoohan Tavassoti*

21 Synthesis on Structural Fiber Reinforced Asphalt Concrete *Phillip B Blankenship, Jason Bausano, Zack McKay*

****Check the conference App for program changes and additional information****
www.eventmobi.com/ctaa2024