

2021 Tentative Conference Program

August 18, 2021

Monday, November 15, 2021

Technical Course (Register separate to the conference)

Field Placement & Compaction of Asphalt Pavements

Pre-Conference Workshop

Sustainable Pavement Technologies and new data for WMA

Tuesday, November 16, 2021

Annual General Meeting

The technical sessions begin after the AGM on Tuesday.

- 1. Aggregate Bulk Specific Gravity: Controlling Asphalt Binder Content of Asphalt Mixtures**
Gerry Huber, Christopher Campbell, Matt Beeson, Bill Pine, Jason Wielinski, Gerald Huber
- 2. A State of the Art Review: Approaches for Assessing the Compatibility of Asphalt Materials and Additives**
Runhua Zhang, Eshan V. Dave; Jo E. Sias; Hassan A. Tabatabaee; Tony Sylvester
- 3. The Use of Infrared Joint Heaters to Improve HMA Construction Joint Density and Overall Performance**
Vince Aurilio, Bob Kieswetter
- 4. Development of High Stability and Fuel Resistant Airfield Asphalt Mixture**
Sina Varamini, Mohammed Ahmed, Kevin Chee, Zlatko Brcic, Michael Esenwa
- 5. Comprehensive Evaluation of Disc-Shaped Compact Tension and Semi-Circular Bend Tests as Asphalt Mixture Durability Indices and Performance Acceptance: Ontario Experience**
Saeid Salehi-Ashani, Sina Varamini and Susan Tighe
- 6. Rheological and self-healing properties of modified asphalt binders using nano clay**
Leila Hashemian, Liniker Monteiro; Mohammad Shafiee

Wednesday, November 17, 2021

- 7. Impacts of Mixer Types and Mixing Time for Hot-Mix Asphalt (HMA) with High Reclaimed Asphalt Pavement (RAP) Content on Mixes Performances.**
Marc-André Bérubé, Samuel Laliberté, Jimmy Hawey, Kevin Bilodeau and Alan Carter
- 8. Comparison of Asphalt Emulsion Stabilized Base Courses Modified using Cement or Asphaltenes**
Leila Hashemian, Muhammad Misbah Uddin, Farshad Kamran, Benjamin Corenblum

9. Development and Field Experience with Performance-Based Asphalt Mixture Used in Thin Asphalt Pavements

Sina Varamini, Michael Esenwa, Matt Kennedy

10. Evaluating Low-Temperature Cracking Resistance of Recycled Asphalt Mixtures Using a Modified IDEAL Procedure

Hussain Bahia, Yuan Zhang

11. Surface renewal of an urban motorway in the Montreal area using an ultra-thin asphalt concrete pavement (béton bitumineux ultra-mince)

Jean-Martin Croteau, Patrice Richard, Denis Veillette, Kevin Bolduc

12. Use of OGFC to Address Drainage Issues for George Massey Tunnel

Vipin Sharma, Art Johnston

Contractor's Workshop – Durable RAP Mixes and RAP Management Best Practices

Thursday, November 18, 2021

13. Uses and Applications of High Modulus Asphalt for Cold Climate

Marc Proteau, Amélie Griggio, Sébastien Lamothe, Alan Carter, Daniel Perraton

14. High-float Emulsion Residue: Suitable Methods and Metrics for Testing Viscoplastic Materials

Justin Suda, Sina Varamini, Elijah Bickle

15. Investigation of Field and Laboratory Test Methods in Evaluating Rutting and Shoving at Intersections; Municipal Perspective

Mehran Kafi Farashah, Dr. Sina Varamini; Dr. Susan Tighe; Dr. Hassan Baaj

16. High-Strain Asphalt Interlayer for Reflective Cracking: A 20+ year review

Phillip Blankenship, Zach McKay

17. Using Bio-Modifiers for Recycling RAP and Improving the Performance of RAP-Incorporated Mixtures Designed for Different Pavement Demonstration Projects

Ali Arabzadeh, Joseph H. Podolsky, Maxwell D. Staver, R. Christopher Williams, Austin D. Hohmann

18. Effect of Biochar in Asphalt Mixes

Ola Oluwasewa Owolabi, Ola Oluwasewa Owolabi, Xiomara Sanchez-Castillo

19. A Country-wide Survey to Understand Pavement Management Practices in Canada

Shajib Guha, Kamal Hossain

20. Selection of Appropriate Binder Grade for Changing Climate and Its Influence on Pavement Performance

Surya Swarna, Kamal Hossain, Alyssa Bernier