MONDAY SEPTEMBER 14, 2020

10:00 – 10:30 AM EDT (Eastern time)
Welcome Session

10:30 AM – NOON EDT
Technical Session 1

*Development of A Characterization Test for Uncompacted RAP*
Raj Dongre, Jack Youtcheff, David Mensching

*Investigation of the Performance of 100% Reclaimed Asphalt Pavement Mixtures: Molecular, Chemical, and Mechanical Characterization*
Moses Akentuna, Louay Mohammad, William H. Daly, Hesham Ali, Farshad Haddadid, Sreelatha Balamuruga, Ioan Negulescu, Samuel B. Cooper, III, Samuel B. Cooper Jr., Gaylon L. Baumgardner

NOON-12:30 PM EDT Break

12:30 – 2:00 PM EST
Technical Session 2

*Three-dimensional Characterization of Asphalt Mixture Containing Recycled Asphalt Pavement*
Chiara Riccardi, Augusto Cannone Falchetto, Di Wang

*Influence of Reclaimed Asphalt Pavement (RAP) Source and Virgin Binder Source on RAP Specifications and Balanced Mix Design*
Walaa S. Mogawer, Kevin D. Stuart, Alexander Austerman, Ahmed Soliman

2:00-2:30 PM EDT Break
2:30-4:45 PM EDT
Technical Session 3

*Laboratory Evaluation of Properties of Modified Asphalt Binders with High Polymer and Softening Agent*
Zhaoxing Xie, Zhuang Zhuo, Ayman Ali, Yusuf Mehta, Wade Lein, Christopher DeCarlo

*Use of Polymer-Modified Asphalts (PMA) in Dense-Graded Mixtures: Internet Survey and Tools to Measure Return on Investment*
Kevin D. Stuart, Walaa S. Mogawer, Shane Underwood

*Impact of High-Polymer Modification on Rheological and Chemical Properties of Asphalt Binders*
Jhony Habbouche, Elie Y. Hajj, Ilker Boz, Robert Klutz, Nathan E. Morian, Peter E. Sebaaly

**TUESDAY SEPTEMBER 15, 2020**

9:00 AM – 10:00 AM EDT
NMC Meeting

10:00 AM – 12:15 PM EDT
Technical Session 4

*Recursive Pseudo Fatigue Cracking Damage*
Kenneth Tutu and David Timm

*Relationship Between Asphalt Concrete Flexibility Index and Binder Rheological Properties*
Donald W. Christensen, Ahmed A. Soliman

*Laboratory Performance Tests on Intermediate-Temperature Cracking Resistance: A Case Study*
Wei Cao, Louay Mohammad, Peyman Barghabany, Samuel B. Cooper, III, and Samuel B. Cooper Jr.

12:15-12:45 PM EDT Break

12:45 AM – 3:00 PM EDT
Technical Session 5

*Preliminary Validation of the Critical Aging Protocol for NCAT Top-down Cracking Experiment*
Chen Chen, Fan Yin, Adrian Andriescu, Raquel Moraes, David Mensching, Nam Tran, Adam Taylor, Randy West

*Indirect Tensile Testing for Balanced Mixture Design and Quality Control Performance Testing*
Thomas Bennert, Edwin Haas, Edward Wass, Jr., Benjamin Berger

*Asphalt Mixture Performance Grading and Application to Illinois Tollway Performance Design*

3:00-3:30 PM EDT Break

3:30-5:00 PM EDT
Student Poster Session

**WEDNESDAY SEPTEMBER 16, 2020**

**10:00 AM – 12:15 PM EDT**
Technical Session 6

*Influence of Asphalt Binder on the Compactability of Asphalt Mixtures Using Locking Point*
Pawel Polaczyk, Wei Hu, Bingye Han, Hongren Gong, Yuetan Ma, Baoshan Huang

*Development of Accelerated Laboratory Friction Testing using the Three Wheel Polishing Device*
Karol J. Kowalski, Fan Gu, Michael Heitzman, Rebecca S. McDaniel

*Performance Characteristics of in Plant Mixed Stone Mastic Asphalt SMA Using Different Rejuvenators*
Axel Walther, Augusto Cannone Falchetto, Di Wang

12:15-12:45 PM EDT Break

**12:45 AM – 2:15 PM EDT**
Technical Session 7

*Maine’s Porous Asphalt Pavement: Lessons Learned from its Design, Construction, and a Decade of Performance*
Derek Nener-Plante, Uma Maheswar Arepalli