AAPT Annual Meeting Program
March 22-25, 2020
San Diego, California

SUNDAY MARCH 22, 2020
2:00 – 5:00 PM
AAPT/ISAP Global Forum: Rejuvenators

5:30 – 7:00 PM
Icebreaker (Networking) Reception

MONDAY MARCH 23, 2020
7:00 – 8:00 AM
Newer Members Committee and Breakfast

8:00 – 9:30 AM
95th Annual Business Meeting

9:45-11:45 AM
Technical Session 1

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

11:45 AM – 1:15 PM
Authors/Presenters Lunch
1:15 – 5:00 PM
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

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

*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

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

6:00 – 8:30 PM
Monday Night Social (OPTIONAL)

**TUESDAY MARCH 24, 2020**

6:00 – 7:00 AM
Pavement Inspection Tour

8:00 – 9:15 AM
Student Poster Session

9:30 AM – 12:00 PM
Symposium: *Durability*

*Introduction and Overview*

*FHWA Perspective*

*State Perspective*

*Contractor Perspective*

*Research Perspective*

*Panel Discussion*
12:00 – 1:30 PM
Past Presidents Council

1:30 – 5:00 PM
Technical Session 3

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

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

Iqaluit Airport Development – A Story of Asphalt Paving in the Arctic
Bryan Palsat, Art Johnston, Jean-Martin Croteau

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

6:00 – 7:00 PM
Social Hour

7:00 – 9:00 PM
Awards Dinner

9:00 PM
After Dinner Social

WEDNESDAY MARCH 25, 2020

8:00 AM – 12:00 PM
Technical Session 4

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.
Recursive Pseudo Fatigue Cracking Damage
Kenneth Tutu and David Timm

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