

**2025 NORTHEASTERN STATES MATERIALS ENGINEERS' ASSOCIATION (NESMEA)
ANNUAL MEETING AGENDA**

**Best Western Premier, The Central Hotel & Conference Center,
800 E Park Dr, Harrisburg, PA 17111**

Tuesday, October 28, 2025

07:00 NESMEA Breakfast

08:00 NESMEA Welcome

Jonathan A. Eboli, P.E., Chief Engineer Highway Administration, Pennsylvania DOT

08:15 AASHTO Pavement Marking Materials PA Test Deck

Brenda C. Waters, Chief Chemist, Pennsylvania DOT

08:45 AASHTO Update NESMEA

Mark Felag, Mark E. Felag, PE, LLC

09:15 Alkali-silica Reaction Management of Northeastern Aggregates using AASHTO TP 144 (TFAST) and AASHTO T 416 (ATT)

Jose F. Muñoz, Chemistry Laboratory, Turner Fairbanks Highway Research Center (TFHRC)

10:00 BREAK

Please Visit Our Trade Fair

10:30 Using Lightweight Deflectometer for Quality Control of Subbase/Base Materials

Dr. Xiaogang (Archer) Guo, Postdoctoral Researcher, The Pennsylvania State University

11:15 Philadelphia I-95 Bridge Collapse & Emergency Response

Din Abazi, P.E., District Executive, Engineering District 6-0, Pennsylvania DOT,

Robert Buckley, President, Buckley & Company, Inc.,

Archie Filshill, Ph.D., ENV SP, Aero Aggregates of North America LLC

12:00 LUNCH

01:00 Pennsylvania Outdoor Exposure Site for Monitoring Concrete Durability against ASR

Farshad Rajabipour, Ph.D. and Amir Alarab, The Pennsylvania State University

01:30 Providing Training to Incarcerated Individuals for Careers in the Asphalt and Concrete Industry upon Release

James Mahoney, Connecticut Advanced Pavement Laboratory (CAP Lab)

02:00 Cement, Supplementary Cementitious Materials (SCMs), and Sustainability Outlook

Steve Somerville, P.E., Sales Manager Cement, Heidelberg Materials,

Lehigh Valley Region (PA, NJ)

02:45 BREAK

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03:15 Advancing Work Zone Safety and Digital Construction through Real-Time Project Workflows

Zach Ernst, HaulHub Technologies

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Tuesday, October 28, 2025 (Continued)

- 04:00 Reducing Scaling and Durability Issues in Exterior Concrete Through Revised Specifications, Education, and Certification**
Mark Moyer, PA West Materials QC Manager / Corp. Technical Services Manager,
New Enterprise Stone & Lime Co., Inc.
- 04:45 Adjourn for Day**
- 05:30 RECEPTION – Please Visit Our Trade Fair**
- 06:30 DINNER**

Wednesday, October 29, 2025

- 07:00 NESMEA Breakfast**
- 08:00 Highly Modified Asphalt Binder SMA Pilot Projects in PA**
Alan J. Leonori, P.E., Senior Engineer and Keith D. Markel, P.E., Senior Engineer, Pennoni
- 08:30 Examining Delta Tc: Variability factors And Relationships With Other Rheological Shape Parameters**
Wes Cooper, A.M.ASCE, Laboratory Manager & Senior Research Scientist, The Asphalt Institute
- 09:15 Oil Exudation and Impaired Stress Relaxation: Unintended Consequences of Gel Formation in Excessively Modified Asphalt Binders**
Aiden Woods and Simon Hesp, Queen's University, Kingston, Ontario
- 09:45 BREAK**
Please Visit Our Trade Fair
- 10:15 Material Compatible Repair Evaluation**
Steven Sachs, Ph.D., Assistant Professor and Director of Undergraduate Studies,
University of Pittsburgh
- 10:45 Impact of Replicate Size on IDEAL-CT in Asphalt Mixtures**
Derek Nener-Plante, Materials and Pavement Engineer
- 11:15 Toward Practical Binder Evaluation: Validating Newly Proposed Rheological Parameters Measured with a Simplified DSR Approach and Replacing BBR with a DSR-Based Method for Low-Temperature Grading**
Walaa Mogawer, Ph.D., P.E., F. ASCE, Commonwealth Professor, Civil and Environmental Engineering Department, University of Massachusetts Dartmouth
- 11:45 Announcement of 2026 NESMEA Annual Meeting**
Joseph Blair, Chief of Materials Technology, New Hampshire DOT
- 12:00 Adjourn**