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|   | Monday, October 16, 2017 |
| 12:00 PM to 4:00 PM | **NESMEA Registration** – 3rd Floor Foyer |
| 6:00 PM to 10:00 PM | **Trade Show Vendor Set Up** – 3rd Floor Foyer |
| 1:00 PM to 5:00 PM | **Closed Door Meeting (State/FHWA Invitees ONLY)** – Ethan Allen Room |
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|   | Tuesday, October 17, 2017 |
| 7:00 AM to 5:00 PM | **NESMEA Registration and Trade Show** – 3rd Floor Foyer  |
| 7:00 AM to 8:00 AM | Continental Breakfast – Hilton Grand Ballroom West |
| 8:00 AM to 8:10 AM | **Welcome to Connecticut** – Ballroom East & Center NESMEA Meeting Chair – Robert Lauzon, Ph.D., P.E., Principal Engineer, Materials Testing, ConnDOT  |
| 8:10 AM to 8:25 AM | **Opening Remarks** – Ballroom East & Center James Redeker, Commissioner, ConnDOT  |
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|  Session A Construction |
| 8:25 AM to 8:30 AM | Moderator: Jonathan Boardman, P.E., Supervising Engineer, Materials Testing, ConnDOT |
| 8:30 AM to 9:00 AM | **Q-Bridge Project Highlights** Domenic LaRosa, P.E., District Engineer, District 3, ConnDOT |
| 9:00 AM to 9:30 AM | **eConstruction Efforts in Connecticut**  Christopher Angelotti, P.E., Principal Engineer, Office of Construction, ConnDOT |
| 9:30 AM to 10:00 AM | **Architecture Engineering & Construction (AEC) at ConnDOT** William Pratt, P.E., Principal Engineer, Facilities and Transit, ConnDOT |
| 10:00 AM to 10:25 AM | Break - Trade Show (3rd Floor Foyer) and Mark Twain Room |
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|   Session B Steel/Welding/Coatings |
| 10:25 AM to 10:30 AM | Moderator: David Parillo, P.E., Engineer 3, Materials Testing, ConnDOT |
| 10:30 AM to 11:00 AM | **Coatings for Concrete**Kenneth Trimber, President, KTA-Tator, Inc.  |
| 11:00 AM to 11:30 AM | **Forensics – The Art and Science of Why Stuff Breaks** Raymond Monson, P.E., Senior Engineer, Pennoni Associates, Inc. |
| 11:30 AM to 12:00 PM | **Performance Engineered Concrete – It’s Time for a Change** Michael F. Praul, M.C.E., P.E., Senior Concrete Engineer, FHWA’s Office of Asset Management, Pavements, and Construction and the Manager of the FHWA Mobile Concrete Trailer Program |
| 12:00 PM to 1:00 PM | Lunch Buffet – Hilton Grand Ballroom West |
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|   Session C Aggregates |
| 1:00 PM to 1:05 PM | Moderator: Charles Gardon, Engineer 3, Materials Testing, ConnDOT |
| 1:05 PM to 1:45 PM | **Alkali Silica Reaction of Aggregates in Massachusetts** Richard Mulcahy, Civil Engineer, Research and Materials, MassDOT;John Grieco, Director, Research and Materials, MassDOT |
| 1:45 PM to 2:30 PM | **Aggregates Containing Pyrrhotite**  James Mahoney, Executive Director, Connecticut Transportation Institute & CAP Lab, University of Connecticut |
| 2:30 PM to 3:00 PM | Break - Trade Show (3rd Floor Foyer) and Mark Twain Room |
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|   Session D Concrete |
| 3:00 PM to 3:05 PM | Moderator: Daniel Guzzo, Engineer 3, Materials Testing, ConnDOT |
| 3:05 PM to 3:35 PM | **Project Highlights: CTFastrak – Precast Pavement TBD** Steve Norton, Engineer 3, Pavement Management, ConnDOT |
| 3:35 PM to 4:05 PM | **Sharing Inspection Resources NETC** Eshan Dave, Ph.D., Assistant Professor, University of New Hampshire |
| 4:05 PM to 4:35 PM | **High Performance Concrete Steel Beam End Repairs** Arash Zaghi, Ph.D, P.E., S.E., Assistant Professor, University of Connecticut |
| 5:30 PM to 6:30 PM | Reception – Trade Show Area (3rd Floor Foyer) |
| 7:00 PM  | Dinner – Hilton Grand Ballroom West |

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|   | Wednesday, October 18, 2017 |
| 7:00 AM to 5:00 PM | **Registration for NESMEA and NEAUPG and Trade Show** – 3rd Floor Foyer |
| 7:00 AM to 8:00 AM | Continental Breakfast – Hilton Grand Ballroom West |
| 8:00 AM to 8:10 AM | **Welcome** – Ballroom East & Center NESMEA Meeting Chair – Robert Lauzon, Ph.D., P.E., Principal Engineer, Materials Testing, ConnDOT |
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|   Session E HMA |
| 8:10 AM to 8:15 AM | Moderator: David Howley, Engineer 3, Materials Testing, ConnDOT |
| 8:15 AM to 8:45 AM | **Comparison of Different Laboratory Aging Methods for Performance Evaluations** Reyhaneh Rahbar-Rastegar, Ph.D., Research Engineer, Purdue University |
| 8:45 AM to 9:15 AM | **Non-Destructive Technologies to Detect Asphalt Pavement Delamination and Moisture Damage**  Michael Heitzman, Ph.D., P.E., Assistant Director/Senior Researcher, National Center for Asphalt Technology |
| 9:15 AM to 10:00 AM | **Use of Field Spectroscopy Technology for Evaluating Construction Materials**Maria Chrysochoou, Ph.D., Associate Professor, University of Connecticut; Terry Arnold, Senior Research Chemist, FHWA Turner Fairbank Highway Research Center |
| 10:00 AM to 10:25 AM | Break – Trade Show (3rd Floor Foyer) and Mark Twain Room |
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|   Session F HMA |
| 10:25 AM to 10.30 AM | Moderator: Eliana Carlson, M.S., P.E., Supervising Engineer, Materials Testing, ConnDOT |
| 10:30 AM to 11:00 AM | **Balanced Asphalt Mix Design – A Formula for Success** Shane Buchanan, Ph.D., P.E., Asphalt Performance Manager, Oldcastle Materials |
| 11:00 AM to 11:30 AM | **The AMPT: Advances in Performance-Related Specifications and Performance Engineered Mix Design**  David Mensching, Ph.D., Pavement Materials Engineer, FHWA |
| 11:30 AM to 12:00 PM | **Seeking Improved Pavement Performance Through Increased Density**John Haddock, Ph.D., P.E., Professor of Civil Engineering at Purdue University and Director of Indiana Local Technical Assistance Program |
| 12:00 PM to 12:05 PM | **2018 NESMEA – Welcome to New Jersey**  Paul Hanczaryk, M.S., Manager, Bureau of Materials, NJDOT |
| 12:05 PM | **Adjourn Meeting – NESMEA 2017** |

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| AASHTO re:source \* | KTA-Tator, Inc. |
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Massachusetts - John Grieco

New Hampshire - Denis Boisvert

New Jersey - Paul Hanczaryk

New York - John Rondinaro

Pennsylvania - Robert Horwhat

Rhode Island - Jose Lima

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| NESMEA Since 1923 |
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For additional information, go to the NESMEA Website at [www.nesmea.uconn.edu](http://www.nesmea.uconn.edu).

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| NESMEA 2017Northeastern States Materials Engineers’ Association |

**93rd Annual Meeting**

**October 17 – 18, 2017**

Hilton Hartford Hotel – 315 Trumbull Street – Hartford, CT 06103





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|  Hosted by the Connecticut Department of Transportation |