17TH ANNUAL
CONFERENCE & WORKSHOP

GRAND HYATT
SEATTLE, WASHINGTON
FEBRUARY 9-11, 2016

Better Roads from Better Technology
CONFERENCE SPONSORS

Our thanks to the following companies who have provided sponsorship funding for the conference:

- Better Roads from Better Technology
- John Casola | AMAP Conference Program Chairman
- Cindy Prewett and ECF, Inc. – Accounting & Finance
- Katrina Tohle and Pegasus Planning – Event Planning & Organization
- Brian Hirt and CTC & Associates – Communications & Promotion
- Advertising Graphics – Program Graphics & Design

A SPECIAL THANKS TO:

John Casola | AMAP Conference Program Chairman
John’s involvement in the asphalt industry began during the Strategic Highway Research Program (SHRP) where he worked closely with the SHRP research team to develop the first asphalt binder specific Dynamic Shear Rheometer. He is a founding and active member of the Association of Modified Asphalt Producers. John is currently the rheology Products Sales Manager & Technical Specialist with Malvern Instruments.

And many thanks to the AMAP support team for making this Conference possible:

Cindy Prewett and ECF, Inc. – Accounting & Finance
Katrina Tohle and Pegasus Planning – Event Planning & Organization
Brian Hirt and CTC & Associates – Communications & Promotion
Advertising Graphics – Program Graphics & Design
MISSION STATEMENT

**AMAP will promote** the highest standards of quality and performance in modified asphalt products.

**AMAP will inform** and educate owners, contractors and specifying agencies about the economic and performance benefits of modified asphalt binders and materials for improved pavement performance.

As an Association we shall:
- **Be a consolidated voice** on issues pertaining to modified asphalt that will grow the industry.
- **Encourage** User-Producer agencies to adopt higher performance modified asphalt binders.
- **Evaluate** without bias and communicate advancements in modified asphalt technologies.
- **Promote** standardization of asphalt binder and material testing procedures.
FROM THE PRESIDENT

On behalf of the Association of Modified Asphalt Producers, I welcome you to the 17th Annual Conference, held this year in beautiful Seattle at the Grand Hyatt hotel. I hope you’ll have some time to visit Seattle and maybe the surrounding area to experience this unique city and what is has to offer.

Although you may have participated in previous years, I invite you to attend the optional AMAP Modified Asphalt Workshop from 10am-5pm on Tuesday, as I believe you will find it new and improved. This unique seminar presents information on the basic chemistry of asphalt and asphalt modifiers, as well as information on various modified asphalt systems, testing procedures and the proper use and handling of these materials in the field. For 2016 the seminar has been updated and expanded to include information on mix design, pavement preservation and rubber modification. The training course is conducted by some of the best experts in the field of modified asphalt and modified asphalt testing.

On Wednesday we look forward to hearing directly from some of our DOT customers, after starting off with our keynote speaker Mr. Jim Kolb from Summit Strategies who specializes in advocacy and policy development. During our luncheon we will announce our Dave Jones Scholarship winners and will be awarding our AMAP Person of the Year Award. Immediately following the Wednesday presentations we’ll have the annual business meeting for AMAP members. Last year’s tabletop exhibit area was a big success, once again vendors will be setup to discuss products and services that support the modified asphalt industry. During the evening reception, we will induct Frank Fee into our “Asphalt Industry Hall of Fame” and present him with our Lifetime Achievement Award.

Thursday will include additional customer feedback as well as technical updates from NCAT and FHWA, plus industry perspectives from Argus and the Asphalt Institute.

AMAP is the only organization solely dedicated to sponsoring research on the performance benefits of modified asphalts and to promoting the proper use of modified asphalt materials in the paving industry. With government spending tighter than ever and our infrastructure needing continuous updates, we need to focus the asphalt industry on longer lasting solutions to achieve the best balance between cost and performance. Please attend the business meeting Wednesday afternoon and tell us how we can accomplish this goal for your company.

Our impact grows as our membership grows so if your company is not already a member of AMAP, I urge you to join us to make a difference for the industry and your organization.

Thank you for attending and supporting AMAP, and enjoy your stay here in Seattle.

Sincerely,

Hal Panabaker, President
Association of Modified Asphalt Producers
FROM THE EXECUTIVE DIRECTOR

It is my pleasure to welcome you to this year’s 17th Annual AMAP Conference & Workshop.

This year marks the first time we have held our meeting in the Pacific Northwest and Seattle, the Emerald City. Here are a few facts about Seattle you may not know:

- The name Seattle is a derivative of the Indian name “Sealth.” Sealth was a chief of the Suquamish tribe when the Denny Party arrived in 1851.
- Most people think rain when you mention Seattle. But in fact, Seattle’s annual rainfall is less than that of Houston, Chicago and New York City. And folks in Seattle buy more sunglasses per capita than any other U.S. city.
- Seattle has developed as a technology center beginning in the 1980s, with companies like Microsoft becoming established in the region. In 1994 the Internet retail giant Amazon was founded in Seattle.
- Seattle is second only to Marino Italy for glass blowing.

Now that you’re thoroughly educated about the area, let me express my hope that this Conference provides you with an opportunity to learn and exchange ideas that will help expand the use of modified asphalt systems. Our Program Committee has worked long and hard to assemble a group of knowledgeable presenters that will showcase successful use of modified asphalt and the latest information on technology, testing and materials.

We have also provided ample opportunity and time to network with your industry colleagues from around the world and to visit with our vendor exhibitors and learn more about their product services. By the end of the Conference we hope you come away better prepared to meet the challenges of providing the demanding needs of our highway infrastructure.

If your Company is not currently a member of AMAP, I hope you will consider joining our Association and helping us meet our common mission of providing Better Roads From Better Technology.

Sincerely,

Jim Sattler, Executive Director
Association of Modified Asphalt Producers
KEYNOTE SPEAKER

Jim Kolb brings nearly 25 years of advocacy, policy development and implementation experience to Summit Strategies Government Affairs LLC, having served in senior positions in both the public and private sectors. He is expert at working with House leadership, members of Congress, congressional staff and transportation organizations and associations. Mr. Kolb is recognized as a leading expert in transportation policy, funding and financing issues. He has a deep understanding of issues and processes surrounding the Federal budget, budget scoring, appropriations, finance, and tax policy.

Before joining Summit Strategies, Mr. Kolb served on the Subcommittee on Highways and Transit in the U.S. House of Representatives from 2007 to 2014. He began his service with the subcommittee as Staff Director from 2007 to 2011, and served as Democratic Staff Director from 2011 to 2014. During his tenure in the House, Kolb played a key role in developing and negotiating our nation’s previous federal surface transportation authorization law, called “Moving Ahead for Progress in the 21st Century Act” (MAP21), as well as the surface transportation components of the “American Recovery and Reinvestment Act of 2009,” the “Energy Independence and Security Act of 2007,” and the “Implementing the 9/11 Commission Recommendations Act of 2007.” He also played a key role with the Committee’s special panels on Freight and Public-Private Partnerships.

Mr. Kolb has held several high-level positions, including: Senior Vice President for Xenophon Strategies, Vice President of Congressional Relations for the American Road and Transportation Builders Association (ARTBA), and Director of the U.S. Department of Transportation’s Office of Congressional Affairs. Mr. Kolb was also a legislative representative with the United Brotherhood of Carpenters (UBC) from 1992 to 1998.

While at ARTBA, Mr. Kolb served as the organization’s primary liaison to the U.S. Congress. He played a key role in ARTBA’s efforts to advocate and communicate the transportation construction industries’ policies and concerns before the U.S. Department of Transportation, and led the organization’s legislative efforts during the development of the 2005 legislation reauthorizing of the nation’s surface transportation programs. Mr. Kolb also served as program manager for the ARTBA Railroad and Public Transportation Advisory Council, and led a successful effort to rewrite the organization’s rail and transit policy.

During Mr. Kolb’s tenure as the Director of the U.S. Department of Transportation’s Office of Congressional Affairs, he served on U.S. Secretary of Transportation Rodney E. Slater’s staff. He was a member of the Department’s senior leadership team, advising the Secretary and Departmental leadership on legislative and congressional developments. He was responsible for coordinating legislative activities related to the Department’s budget, and played an active and integral role in the Administration’s efforts to secure passage of the major transportation legislation.

With over two decades of spearheading policy initiatives, his strategic involvement in the passing of major national transportation legislation, and his direct influence leading political strategies and programs to effect change, Mr. Kolb is a popular speaker on transportation issues.

Originally from Buffalo, New York, Mr. Kolb graduated from the University of Buffalo with a B.A. in Political Science, and received a Masters of Public Policy from George Mason University.
CONFERENCE SPEAKERS

SESSION 1

Joe DeVol
Bituminous Materials Engineer
WSDOT
Joe is the Assistant State Materials Engineer with the Washington State Department of Transportation. He manages and supervises all of the materials testing activities of the Bituminous, Chemical, Structural and Electrical labs at the AASHTO Accredited State Materials Laboratory in Tumwater. Joe has been with WSDOT for 30 years with the majority on that time in construction materials. He is active in the Pacific Coast Conference on Asphalt Specifications, NCHRP Panels and has recently been asked to join the FHWA sponsored Asphalt Binder ETG.

Ken Hobson
Bituminous Engineer OK DOT
Kenneth Hobson obtained his B.A. in Education with a minor in Science in 1979 from the University of Central Oklahoma, Edmond, OK. He started work at Oklahoma DOT (ODOT) as an asphalt design technician in July of 1984. After obtaining his B.S. in Civil Engineering from the University of Oklahoma (OU), he helped ODOT implement the Performance Graded binder testing protocols and Superpave mix designs. More recently he helped ODOT adopt the massacre (MSCR) test method and specifications for asphalt binder. He has advised university researchers in the field of asphalt research. He is a former AAPT member. He has served on NCHRP advisory committees and panels, NTPEP committees and various other pavement improvement committees. He is an Asphalt Institute certified asphalt technician. He is a licensed Professional Engineer in Oklahoma. He is the current Bituminous Engineer at ODOT.

Dr. Navneet Garg
Program Manager
Federal Aviation Administration
Navneet earned his Ph.D. in Civil Engineering from University of Illinois at Urbana-Champaign in 1997, and M.S. in Civil Engineering from Illinois Institute of Technology, Chicago, in 1993. He has been actively involved in airport pavement research at the FAA’s National Airport Pavement Test Facility since 1998. He is a Program Manager in Airport Technology R&D Branch at the FAA’s William J. Hughes Technical Center in Atlantic City, NJ, and manages FAA projects on Field Instrumentation and Testing, Full-Scale Accelerated Pavement Testing, and Pavement Materials Research. He has authored several FAA research reports, and more than 40 research papers for different journals and conference proceedings. He is a member of the TRB Committees on Accelerated Pavement Testing (AFD40), Pavement Rehabilitation (AFD70), Design of Geosystems (AFS50), and ASCE Airfield Pavement Committee.
CONFERENCE SPEAKERS (continued)

SESSION 2

**Dr. Changlin Pan**  
Assistant Chief Materials Engineer—Pavement NV DOT  
Charlie Pan is the Assistant Chief Materials Engineer in Pavement for the Nevada Department of Transportation since 2015 and he has been with NDOT for 13 years. He has more than 18 years of construction related experience in Concrete and Asphalt Mix Design, Roadway and Pavement Design, Pavement Preservation and Project Management. He serves on the NCHRP review panel for the Improved Long-Term Aging of Asphalt Mixture. He was previously involved in the concrete mix design and quality control activities for the construction of Taipei 101, the tallest building in the world in 2002. Dr. Pan received his Ph.D. (in Material) and MSCE (in Structure) from Purdue University in IN with a BS from National Chiao-Tung University in Taiwan.

**Brad Neitzke**  
Field Engineer, FHWA / Western Federal Lands  
Brad Neitzke has 28 years of highway engineering experience with the Federal Highway Administration, the last 25 years in materials engineering in the Western Federal Lands Highway Division (WFLHD) in Vancouver, WA. He has held the position of Materials Engineer for the WFLHD since 2000 and also is the Highway Materials Discipline Champion for Federal Lands Highway. He currently serves as the user co-chair of the Pacific Coast Conference on Asphalt Specifications and co-chair of the Paving Asphalt Committee. Over his career, he has served on numerous technical panels and industry working groups in the highway materials and pavements arena including AASHTO, TRB, and WAQTC. He is a Registered Professional Engineer in the State of Washington since 1993. He holds a Bachelor of Science Degree (Civil) from the Colorado School of Mines.

**Lyndi Blackburn**  
Asst. Materials & Tests Engineer, AL DOT; AASHTO  
Lyndi has been with the ALDOT 22 years. She is a professional Engineer in the State of Alabama, currently the Assistant State Materials and Tests Engineer. She has been involved in asphalt and pavements for the last 10 years. Lyndi is Vice Chairman of Subcommittee on Materials Technical Section 2b for Liquid Asphalts and has worked in various positions throughout the Department during her career.

**Jerry Geib**  
Office of Materials & Road Research MN DOT  
Jerry Geib works as a Research Operations Engineer for the Minnesota Department of Transportation. He is at the Office of Materials and Road Research—a central office function with the DOT. He has held positions as a Research Engineer, Pavement Preservation Engineer, and Pavement Design Engineer during his 15 year career at MnDOT. Jerry also worked on a mobility assignment at the Metro District Pavement and Materials Engineer last winter. He is involved in: HMA activities, pavement preventive maintenance and rehabilitation work, RAP studies, Microsurfacing, Seal Coats, Joint and Crack Sealing, and In-place Recycling. He works on developing specifications & guidelines, and providing training and assistance. Jerry also served on the FHWA Expert Task Group for Pavement Preservation.

**Dr. Chris Williams**  
Materials Engineer, CTRE  
Chris is a materials engineer at the Center for Transportation Research and Education. He specializes in asphalt pavement materials. He joined InTrans in August 2005, sharing a joint appointment with Iowa State University’s Department of Civil, Construction and Environmental Engineering as an associate professor.
CONFERENCE SPEAKERS (continued)

SESSION 3

Dr. Buzz Powell
National Center for Asphalt Technology
Buzz earned a Ph.D. in Civil Engineering at Auburn University with an emphasis in pavements and geomaterials. He worked for 12 years with the Alabama DOT and 2 years in the private sector before becoming NCAT’s Test Track Manager in 1999. He has been an Assistant Director at NCAT since 2007.

Mike Anderson
Asphalt Institute
Mike Anderson started his career in 1987 with the Kentucky Department of Highways as asphalt mix design engineer. He has also worked as a researcher on the Strategic Highway Research Program (SHRP), SHRP implementation projects, and NCHRP projects involving asphalt materials. Michael currently serves as the Director of Research and Laboratory Services and has been with the Asphalt Institute since 1991.

Chris Lubbers
Kraton Polymers, LLC
Chris Lubbers currently serves as technical sales and market development manager for emulsions in Kraton Polymers’ Paving and Roofing business unit headquartered in Houston, TX. He received a B.S in Chemical Engineering from Ohio University and an M.S in Chemical Engineering from the University of Notre Dame. Chris has spent the past fourteen years in the asphalt industry, primarily focused on polymer-modified emulsions and hot-mix paving binders as well as polymer-modified roofing membranes. He is an active member of AMAP, AI, AEMA, and the various regional pavement preservation partnerships (PPP’s) and user-producer groups (UPG’s).

Kevin Hall
Professor, University of Arkansas
Dr. Hall is the professor and department head of the Civil Engineering Department. He has taught at the University of Arkansas since 1993. Hall earned his B.S. and M.S. of civil engineering from the University of Arkansas, and a Ph.D. of civil engineering from the University of Illinois. His focus is applied research on pavement and asphalt materials.

Dr. Jean-Pascal Planche
Western Research Institute
Jean-Pascal is Vice President of the Transportation Technology Business Unit at Western Research Institute (WRI). He has worked more than 25 years in the asphalt industry in Europe and the United States. He was inducted into the AMAP Hall of Fame in 2011. From 2005 until joining WRI in 2010, he was the international bitumen coordinator for Total Bitumen in Paris, the fifth largest international oil company in the world. Since 2001, Dr. Planche has served as the liaison between Eurobitume (EU) and the Transportation Research Board (US) committee on asphalt binder standardization.

Matt Corrigan
Federal Highway Administration
Matt is an Asphalt Pavement Engineer with the FHWA Office of Pavement Technology. He has author numerous papers and has a presentation on warm mix and other changes in asphalt technology. He currently serves as Director At Large for the Association of Asphalt Pavement Technologists.
CONFERENCE SPEAKERS (continued)

SESSION 4

Dr. Amy Epps-Martin
Professor Texas A&M University
Dr. Amy-Epps Martin is a Professor and A. P. & Florence Wiley Faculty Fellow in the Zachry Department of Civil Engineering at Texas A&M University and a Research Engineer with the Texas A&M Transportation Institute (TTI). She received her B.S., M.S., and Ph.D. from the University of California at Berkeley. In 2012 she received the Association of Asphalt Paving Technologists Award of Recognition, and she currently serves on TRB Committees AFK40 and AFK50 and the Emulsion Task Force of the FHWA Pavement Preservation ETG.

Gerry Huber
Associate Director of Research, Heritage Research
Gerry obtained a Bachelor degree in Civil Engineering and worked at Saskatchewan Highways and Transportation for 10 years in construction supervision, project design and finally as bituminous engineer. He obtained a Master’s degree from the University of Texas specializing in asphalt mixture properties then joined the Asphalt Institute for five years where he helped advance mix design technology including changes to MS-2, the manual of “Mix Design Methods for Asphalt Concrete” and was involved in the Strategic Highway Research Program working on the technical coordination team responsible for developing Superpave. Since 1992 he works for the Heritage Research Group, a private asphalt research office based in Indianapolis, Indiana. He has been actively involved in implementation activities of Superpave and other new asphalt technologies including Stone Matrix Asphalt, Porous Asphalt and hot mix asphalt warranties.

SESSION 5

Jim Moulthrop
Executive Director, FP² Inc.
Jim has been involved in the highway construction and maintenance industry for over 50 years. His career has included a number of different assignments with various organizations including positions with the Pennsylvania Department of Transportation, The University of Texas at Austin, Exxon Chemical Americas, Koch Materials Company, and Fugro Consultants. Currently he is the executive director of FP² Inc, a non profit trade association representing the pavement preservation industry. He is a member of a number of technical organizations including the Transportation Research Board, ASTM International, the Association of Asphalt Paving Technologists and the Canadian Technical Asphalt Association and is the chair of the advisory board for the National Center for Pavement Preservation at Michigan State University.

Peter Grass
President, Asphalt Institute
Peter is President of the Asphalt Institute. Before joining the Institute he served with the US Army Corp. of Engineers for twenty years. He holds a BSCE, Civil Engineering from the University of New Hampshire and a MSCE, Civil Engineering from Georgia Institute of Technology.
AMAP Hall of Fame
LIFETIME ACHIEVEMENT AWARD

Presented To:
FRANCIS “FRANK” FEE

In a career spanning more than 45 years “Frank” Fee has been a pioneer in the development and marketing of PMA binder technologies.

Frank started with a commercial lab that provided mix designs and technical services to the asphalt mix producers and then became a lab manager and later a technical support manager for a number of asphalt binder suppliers. This role involved the designing and execution of numerous lab and field evaluations for new or modified materials. This included working with various contractor and agency personnel to get materials placed and developing research plans and reports.

Frank was a founding organizer of North East Asphalt User/Producer Group (NEAUPG) and served as its Producer Chairman for over a decade. He has continued to promote modified binders and provide leadership to AAPT, ASTM, TRB, NCHRP & FHWA Mix ETG. His leadership and willingness to mentor others in their work has done much to advance the innovation and technology of modified asphalt and the improvement of our highway infrastructure.

His recent activities include:

- Transportation Research Board (TRB)—National organization funded by the states and FHWA to provide direction for research on pavements.
- ASTM-D 04 Asphalt Paving Materials and Construction
- National Cooperative Highway Research Program (NCHRP)
- Association of Asphalt Paving Technologists (AAPT)

AMAP is pleased to recognize his body of work and service to our industry.
# CONFERENCE PROGRAM

<table>
<thead>
<tr>
<th>DATE AND TIME</th>
<th>EVENT AND LOCATION</th>
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<tbody>
<tr>
<td><strong>Tuesday, February 9, 2016</strong></td>
<td></td>
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<tr>
<td>9:00 a.m.</td>
<td>Registration Desk Opens – <em>Eliza Anderson Amphitheater</em></td>
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<tr>
<td>8:00 - 10:00 a.m.</td>
<td><strong>AMAP Board of Directors Meeting</strong> – <em>Discovery A</em></td>
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<tr>
<td>10:00 - 5:00 p.m.</td>
<td><strong>Modified Asphalt 101 Workshop: An Introduction to Modified Asphalt and Emulsions Technology</strong> – <em>Eliza Anderson Amphitheater</em></td>
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<tr>
<td>3:00 p.m.</td>
<td>Exhibit Area Available for Set-Up – <em>Leonesa Ballroom</em></td>
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<tr>
<td>5:15 - 8:00 p.m.</td>
<td>Tabletop Exhibits Open – <em>Leonesa Ballroom</em></td>
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<tr>
<td>6:00 - 8:00 p.m.</td>
<td>Opening Reception – <em>Leonesa Ballroom</em></td>
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<tr>
<td><strong>Wednesday, February 10, 2016</strong></td>
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<tr>
<td>7:00 - 8:00 a.m.</td>
<td>Moderators and Speakers’ Breakfast – <em>Discovery A</em></td>
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<tr>
<td>7:00 - 8:00 a.m.</td>
<td>Attendee Continental Breakfast / Tabletop Exhibits Open – <em>Leonesa Ballroom</em></td>
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<tr>
<td>7:00 - 3:30 p.m.</td>
<td>Registration Desk Opens – <em>Eliza Anderson Amphitheater</em></td>
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<td><strong>AMAP Conference</strong> – <em>Eliza Anderson Amphitheater</em></td>
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<tr>
<td>8:00 - 8:30 a.m.</td>
<td>Welcome</td>
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<td>• Jim Sattler, Executive Director</td>
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<td><strong>President’s Opening Remarks/Welcome</strong> – Hal Panabaker, DuPont Polymers</td>
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<td>• Introduction of New Members</td>
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<tr>
<td>8:30 - 9:30 a.m.</td>
<td><strong>Keynote Address</strong></td>
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<td>• Mr. Jim Kolb, Partner, Summit Strategies</td>
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### CONFERENCE PROGRAM (continued)

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<tr>
<td><strong>SESSION 1–OWNER/AGENCIES EXPERIENCES WITH MODIFIED TECHNOLOGIES</strong>&lt;br&gt;<strong>Moderator: Hal Panabaker, DuPont Polymers</strong></td>
<td></td>
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<tr>
<td>9:30 - 10:15 a.m.</td>
<td><strong>Washington State Gets Results with Modified Asphalt</strong>&lt;br&gt;• Joe DeVol, Bituminous Materials Engineer WSDOT</td>
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<tr>
<td>10:15 - 10:30 a.m.</td>
<td><strong>Break – Leonesa Ballroom</strong></td>
</tr>
<tr>
<td>10:30 - 11:15 a.m.</td>
<td><strong>Highly Modified Binder Yield Performance Gains for I-40 Project</strong>&lt;br&gt;• Ken Hobson, Asphalt Engineer OK DOT</td>
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<tr>
<td>11:15 - 12:00 p.m.</td>
<td><strong>Asphalt Research Program at Federal Aviation Administration</strong>&lt;br&gt;• Dr. Navneet Garg, Program Manager Federal Aviation Administration</td>
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<tr>
<td>11:45 - 1:30 p.m.</td>
<td><strong>Luncheon – Recipients of the Dr. David R. Jones IV Scholarship Program</strong>&lt;br&gt;– Princessa Ballroom</td>
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<tr>
<td><strong>SESSION 2–OWNER/AGENCIES EXPERIENCES WITH MODIFIED TECHNOLOGIES</strong>&lt;br&gt;<strong>Moderator: Everett Crews, Ingevity</strong></td>
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<tr>
<td>1:30 - 2:15 p.m.</td>
<td><strong>Nevada DOT Experience with Modified Asphalt Before and After Superpave</strong>&lt;br&gt;• Dr. Changlin Pan, Assistant Chief Materials Engineer - Pavement NV DOT</td>
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<tr>
<td>2:15 - 2:45 p.m.</td>
<td><strong>Minnesota DOT Extends Pavement Life with Preservation Projects</strong>&lt;br&gt;• Jerry Geib Office of Materials &amp; Road Research MN DOT</td>
</tr>
<tr>
<td>2:45 - 3:15 p.m.</td>
<td><strong>Improving Low Temperature Cracking Performance Using PMA</strong>&lt;br&gt;• Brad Neitzke, Field Engineer FHWA/Western Federal Lands</td>
</tr>
<tr>
<td>3:15 - 3:30 p.m.</td>
<td><strong>Break – Leonesa Ballroom</strong></td>
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<tr>
<td>3:30 - 4:15 p.m.</td>
<td><strong>What’s Next for AASHTO Specifications &amp; AMRL</strong>&lt;br&gt;• Lyndi Blackburn, Asst. Materials &amp; Tests Engineer AL DOT; AASHTO</td>
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<tr>
<td>4:15 - 5:00 p.m.</td>
<td><strong>Advances In Bio-Polymer Technology</strong>&lt;br&gt;• Dr. Chris Williams, Professor Iowa State University</td>
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| 5:00 - 6:00 p.m. | AMAP Business Meeting (AMAP Member Company Representatives Only)  
- *Eliza Anderson Amphitheater*  
  • Meeting Chair: Hal Panabaker, President, AMAP |
| 6:30 - 8:00 p.m. | Reception – Honoring Frank Fee: AMAP Asphalt Hall of Fame Inductee & Lifetime Achievement Award Recipient – Leonesa Ballroom |

**Thursday, February 11, 2016**

| 7:00 - 8:00 a.m. | Attendee Continental Breakfast – Eliza Anderson Amphitheater |

**SESSION 3—SPECIFICATIONS UPDATES & TECHNICAL CHANGES**  
*Moderator: Karissa Mooney*

| 8:00 - 8:45 a.m. | Industry Progress & Future  
  • Buzz Powell, National Center for Asphalt Technology |
| 8:45 - 9:30 a.m. | Technology Progress & National MSCR Specification Implementation Status  
  • Mike Anderson, Asphalt Institute |
| 9:30 - 10:00 a.m. | FHWA Expert Task Groups Status Report  
  • Matt Corrigan, Federal Highway Administration |
| 10:00 - 10:15 a.m. | Break – Eliza Anderson Amphitheater |
| 10:15 - 11:15 a.m. | Asphalt Emulsions Task Force Report  
  • Chris Lubbers, Kraton Polymers, LLC |
| 11:15 - 11:45 a.m. | Innovative Binder Characterization Methods  
  • Jean-Pascal Planche, Western Research Institute |
| 11:45 - 12:30 p.m. | Modification and Pavement Design: The MEPDG Design Guide  
  • Kevin Hall, Professor, University of Arkansas |
| 12:30 - 1:00 p.m. | Lunch |
## CONFERENCE PROGRAM (continued)

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### SESSION 4– MODIFIED ASPHALT INNOVATIONS
*Moderator: Don Sjogren, Seneca Petroleum*

1:00 - 1:45 p.m.  **Preliminary Dosage Selection Method for Utilizing Rejuvenators in High RBR Asphalt Concrete Mixtures**  
  Dr. Amy Epps-Martin, Professor, Texas A&M University

1:45 - 2:30 p.m.  **Mix Design for Better Modified Performance**  
  Gerry Huber, Associate Director of Research; Heritage Research

2:30 – 2:45 p.m.  **Break** – Eliza Anderson Amphitheater

### SESSION 5– THE STATE & DIRECTION OF THE ASPHALT INDUSTRY
*Moderator: Joan Feuda, Intertek*

2:45 - 3:15 p.m.  **What is FP² Inc.?**  
  Jim Moulthrop, Executive Director FP²

3:15 - 4:15 p.m.  **Asphalt Institute’s & Asphalt Pavement Alliance’s Vision for the Asphalt Industry**  
  Peter Grass, President Asphalt Institute

4:15 p.m.  **Meeting Adjourns**
ANNUAL BUSINESS MEETING (members only)

AGENDA:

• Treasurers Report
• By-Law Changes
• Committee Reports
  – Technical
  – Marketing
  – Education
  – Membership
• Board Elections
• New Business
• Adjourn

AMAP BOARD OF DIRECTORS:

Marty Burrow  
Vance Brothers, Inc.

Everett Crews  
Ingevity

Dan England  
LCY Elastomers

Bob Forfylow  
LaFarge Asphalt Technologies

Ken Grzybowski  
PRI Asphalt Technologies

Edgard Hitti  
Alon USA

Hal Panabaker  
DuPont Elvaloy®

Delmar Salomon  
Pavement Preservation Systems

Jim Sattler  
AMAP Executive Director

Chris Shepherd  
RCMA Americas, Inc.

Don Siler  
Marathon Petroleum Co.

Darryl Young  
Dalworth Machine Products
EXHIBITORS

Malvern

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Designed to work perfectly

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D & H Equipment, Ltd

Dalworth Machine Products
Fort Worth, Texas USA

Deshan Road & Bridge

Du Pont

ECF Inc

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The David R. Jones IV Scholarship & Intern Program

AMAP established the David R. Jones IV Scholarship Fund in 2010. The Fund honors our friend, colleague, Asphalt Hall of Fame recipient and a true legend of our industry, the late Dave Jones. As a true academic we know Dave would be pleased we are helping students interested in pursuing careers in the asphalt industry in his memory. Our program initially started with one $1,000 scholarship per year. The fund has now grown to a point where we now award two $2,000 and one $1,500 scholarship every year.

This year we have 65 applicants from Colleges and Universities across North America. We continue to be impressed with the quality of students applying. The selection process has become more difficult each year of the program. This has prompted us to consider other viable ways we might be helpful.

To that end, AMAP is reaching out to Member Companies interested in providing summer internships for interested students who have applied for scholarships as well as other quality students. These are highly motivated young people who are working toward a career in the asphalt industry. Many have completed undergraduate degrees and have published academic papers. We truly expect this networking process to be a win-win opportunity for our Member companies and the students that participate. However success depends on project support from our member companies.

Please take this chance to support AMAP’s David Jones Intern initiative back to your respective companies and evaluate your possible placement possibilities. Keeping in mind many of these students come preloaded with laboratory and engineering skills and can fill meaningful roles while gaining valuable real world experience.

After the conference, we will send out an email reminder to all AMAP members on how to review students entries in the AMAP internship database.

Don’t Forget To Buy Your Match The Pot Tickets For The Scholarship Fund!
### AMAP MEMBERS

#### PRODUCERS

<table>
<thead>
<tr>
<th>Company Name</th>
<th>Address</th>
<th>Contact Person</th>
<th>Phone</th>
<th>Fax</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
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<td>712-277-8451</td>
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</tr>
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<td>262-366-5395</td>
<td>262-524-1825</td>
<td>crmanagement.com</td>
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<td>Richard Lee</td>
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<td>ergon.com</td>
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<tr>
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<td>712-277-8451</td>
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</tr>
<tr>
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#### CONSUMERS

<table>
<thead>
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</table>

Better Roads from Better Technology
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YOUR COMPANY NOT LISTED?

Help Promote Modified Asphalt Product’s Benefits.

JOIN AMAP TODAY!
MEMBERSHIP TYPE

Please select your AMAP membership category (check one):

_____ Producer Membership – $2,000 annually
- Companies that manufacture, react, let-down or otherwise produce or sell modified liquid asphalt binders.

_____ Supplier Membership – $2,000 annually
- Companies that sell polymers, additives or any product considered raw material used in the manufacture of asphalt binders.

_____ Associate Membership – $850 annually
- Companies that provide services and equipment to the Producer and Supplier members. This group includes testing and mix design labs, engineering and research firms, asphalt paving contractors, and manufacturers and distributors of plant and lab equipment and those selling technology.

_____ Friends of the Association – $85 annually
- Academics, students, DOT/Government Transportation personnel, liaison persons from other associations and other interested parties.

PLEASE NOTE that AMAP’s Board of Directors will be the final authority on which membership category is appropriate for the applicant.

APPLICANT INFORMATION

Primary Representative (Contact Person): ____________________________________________

Company: ________________________________________________________________

Title: _________________________________________________________________

Address: __________________________________________________________________________

City, State/Province, ZIP/Postal Code: ___________________________ Country: __________

Office Phone: (____) ____-_______ Cell Phone: (____) ____-_______ Fax: (____) ____-_______

Email: ________________________________

Show this person as a contact for your company’s listing on AMAP’s website? [ ] Yes [ ] No

BILLING CONTACT (IF DIFFERENT)

Billing Contact: _____________________________________________________________

Company: ________________________________________________________________

Title: _________________________________________________________________

Address: __________________________________________________________________________

City, State/Province, ZIP/Postal Code: ___________________________ Country: __________

Office Phone: (____) ____-_______ Cell Phone: (____) ____-_______ Fax: (____) ____-_______

Email: ________________________________

Show this person as a contact for your company’s listing on AMAP’s website? [ ] Yes [ ] No
ADDITIONAL REPRESENTATIVES

Please list any additional representative of your company:

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Best Phone</th>
<th>Email</th>
<th>List online as contact?</th>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>[ ] Yes [ ] No</td>
</tr>
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</table>

Company Information for the Public Listing of AMAP Members*

*(modifiedasphalt.org/membership/current-members)

Company Mailing Address: ____________________________

City, State/Province, ZIP/Postal Code: ____________________________ Country: ____________________________

Main Phone: (____) ___-______ Main Fax: (____) ___-______

Website: ____________________________

Company Description. Please describe your company’s business activity in a short paragraph:


Products & Services. Please list the products and services provided by your company. Please limit your response to 10 items.

1. ____________________________ 2. ____________________________ 3. ____________________________ 4. ____________________________

5. ____________________________ 6. ____________________________ 7. ____________________________ 8. ____________________________

9. ____________________________ 10. ____________________________

Markets Served.

- Producers, please list the states where you produce state specification products.
- Materials and service providers, please list the geographic areas you serve (individual states, U.S., N. America, global, etc.)

Payment

Please make your check payable to Association of Modified Asphalt Producers and mail with this application to:

AMAP | P.O. Box 305 | Avon, OH 44011 | Attention: Jim Sattler, Executive Director | Phone: (330) 714-4117

Or, visit modifiedasphalt.org to apply online and pay with a credit card.

Signed: ____________________________ Print: ____________________________ Date: __________
SEE YOU NEXT YEAR IN
St. Petersburg, Florida

February 7-9, 2017
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For Reservations: (800) 445-8667
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