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

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

- John Casola, AMAP Conference Program Chairman
- Cindy Prewett and ECF, Inc., Accounting & Finance
- Hugon Art & Design, Program Graphics & Design
- Katrina Tohle and Pegasus Planning, Event Planning & Organization
- Brian Hirt, Maina Tran and CTC & Associates, Communications & Promotion
AMAP will promote the use of modifiers and technologies that advance the highest standards of quality and performance in engineered asphalt products used in pavements, roofing and other industrial applications.

AMAP will inform and educate owners, contractors and specifiers about the improved performance and economic benefits of modified asphalt materials and technologies.

AS AN ASSOCIATION WE SHALL:

Be a consolidated voice on issues pertaining to modified asphalt that will educate and advance the industry.

Encourage the use of high-performance modified asphalt systems.

Evaluate and communicate advancements in modified asphalt technologies.

Promote standardization of asphalt materials specifications and test methods.
It is with great pleasure that I welcome you to the 20th Annual Conference and Workshop of Modified Asphalts Producers. This year’s Conference and Workshop will be held at the Pier Sixty-Six Hotel & Marina in Fort Lauderdale, Florida.

Not only will this conference be a celebration of our achievements over the past twenty years, but also a chance to introduce several important innovations aimed at enhancing our service to our membership and the industry overall. For example, we are extremely excited to be announcing the launch of a new initiative, the AMAP DOT Advisory Board. Also, this year we have updated and expanded our workshop to cover not only a broader range of subjects but also to provide three different seminar tracks, each track offering different topics at different levels of subject matter expertise. With the expanded content and a multi-track approach that offers advanced-level topics in bitumen rheology, additive chemistry, polymer science, roofing, and other areas, will allow attendees to create an individualized seminar schedule tailored to their specific interests and needs.

Attendees to the conference this year, also will learn about the results of joint research between AMAP and the Asphalt Institute on the performance of high-RAP mixtures formulated with modified binders. And, they will hear an analysis of responses to our upgraded surveys on modified binder usage.

For our existing membership, we expect these innovations will be a welcome upgrade. For our new, non-member attendees, we hope these changes will encourage you to consider how AMAP membership can add value both to your organization and to the industry overall.

Lastly, I highly recommend that you find time to enjoy Ft. Lauderdale’s balmy February weather and experience some of the areas many attractions. Your choices are numerous: great sport fishing, a tour of the nearby Everglades, golf at one of area’s many beautiful courses, or just a relaxing stroll on the beach.

Our theme for this year’s 20th anniversary meeting is “Modified Asphalt Exceeds the Test of Time.” Thank you for joining us in Fort Lauderdale as we celebrate the past and look forward to AMAP’s next twenty years.

Sincerely,

Dr. Everett Crews
2019 AMAP President
Welcome to the 20th Anniversary AMAP Conference & Workshop!

Twenty years ago, I received a call from Bob Berkley, inviting me to attend a meeting to discuss the feasibility of forming an association dedicated to promoting the benefits of modified asphalt technologies. As you might expect, when you get a group of asphalt people together, there was quite a bit of disagreement as to what the specifications for such an organization should be. However, in the end a consensus was reached and the Association of Modified Asphalt Producers was born.

Twenty years later, Bob’s vision has grown to an association of nearly 100 companies, academic institutions and other affiliate groups. Through our member committees we have a full agenda of activities throughout the year to promote asphalt modification. AMAP funds modification studies. We take our workshop program on the road to other group meetings. We promote our message at trade shows. We make our library of papers and presentations available to members, agencies and academics.

Each year, the cornerstone of our efforts is the program we present at the conference. This being our 20th anniversary event, our volunteer members have put forth a major commitment of time and effort to bring you an outstanding program presented by leaders in our industry. I sincerely hope you benefit from the information presented and take time to learn what’s new from our vendor exhibitors. But most of all, I hope you have fun and take this opportunity to network with our presenters and other attendees from across the spectrum of our industry.

Jim Sattler, Executive Director
Association of Modified Asphalt Producers

A Message from Bob Berkley

I was hoping to be with you on this 20th AMAP Conference but health issues with my wife Rosalie has kept me here in St. Louis.

As I am writing this, I am watching the last (I hope) of an 11-inch snow filling my back yard.

I remember the first AMAP Conference here in St. Louis. I had scheduled it to be in the winter in order to not conflict with our paving season but had much trepidation over the unpredictable weather here, fearing something like this would occur then. It did not and everything went well.

Be that as it may, I wish all of you a terrific meeting. I want to congratulate my friends John Casola, Chairman of the Program Committee, and Jim Sattler, your Executive Director, for their outstanding leadership and hard work putting this together. John has been doing this for the entire existence of AMAP. This program has the makings of one of the best in 20 years. One offering up-to-date technology, recent job and project development, new ideas and marketing strategies, all contributing to the growth of the modified asphalt industry.

Your purpose here is important. You are actually serving the industries of commerce and transportation — a very admirable pursuit. People are unknowingly depending on you to provide the safest, most reliable and cost effective highway system, not only in America but all around the globe.

Be assured that your work does matter. It matters a great deal.

As the asphalt-bleeding "old timers," we depend on you to keep advancing the use of modified binders all leading to better highways and roads.

You are in the right place this week. Learn and contribute.

Bob Berkley,
Executive Director Emeritus
A Brief History Of Association Of Modified Asphalt Producers

In 1997 there were only a handful of modified asphalt producers in the United States. Most were small entrepreneurial companies seeking to insert themselves into what they saw as the future asphalt binder market. Beyond some academics, DOT officials, and other SHRP researchers, little was known about the superior performance of Superpave using modified asphalt binders. The Strategic Highway Research Program Implementation Program was still in its infancy, and many states and agencies were just beginning to accept the new rheology testing and Superpave program.

Bob Berkley knew a few of the existing producers, and thinking that in order for this new industry to grow, it would take a combined effort from all the producers to educate consumers transportation departments and other agencies about the dramatic improvements derived from following the Superpave system and utilizing modified binders in their paving programs.

The subject was broached one winter’s night in Washington, DC at the Transportation Research Board meeting, as snow accumulated to 24 inches outside the hotel. It was decided in a cozy bar that someone should follow up on that idea.

In the Summer of 1998, Berkley called a group of producers he knew and suggested they all join together to form an industry association dedicated to growing the modified binder industry.

On December 1, 1998, a group came together in a hotel in St. Louis and over a two-day period formed AMAP, the Association of Modified Asphalt Producers.

Those attending the first meeting were:

- Bob Berkley, Polymer Asphalt Products
- Chris Blake, Idaho Asphalt
- John Baumgartner, Bit Mat
- Don Buford, Blacklidge Emulsions
- John Casola, Bohlin Instruments
- Dan England, EniChem
- Bob McGennis, Navaho Western Asphalt
- Bobbi Means, Shell Oil
- Alden Bailey, Jebro, Inc.
- John Chippy, Jr., Texas Fuel and Refining
- Henry Romagosa, TexPar Energy
- Jim Sattler, Momentum Technologies
- Bob Rivers, Huntway Petroleum

Berkley was elected president, a role he filled for two years. The AMAP office was temporarily housed in the Polymer Asphalt Products office in St. Louis, with a member of the company’s staff working part time as bookkeeper and secretary.

The first annual meeting was held at the Hyatt Union Station with John Casola heading the agenda committee, a position he has held admirably every year since. Bob McGennis was elected president for 2001.
Association of Modified Asphalt Producers

Modified Asphalt Hall of Fame Lifetime Achievement Award

The asphalt paving industry can be proud of the advances it has made in providing economical, life highway infrastructure. Each year, AMAP selects an individual it believes had contributed a significant body of work to the betterment of the asphalt industry. AMAP honors this individual with induction into the AMAP Asphalt Hall of Fame and is presented with its Lifetime Achievement Award. The Honor Roll of recipients includes:

2008 Thomas Kennedy, PhD.
2009 David Jones, IV, PhD.
2010 Byron Ruth, PhD.
2011 Jean-Pascal Planche, PhD.
2011 James Collins, PhD.
2012 Joseph Goodrich, PhD.
2013 Carl Monosmith, PhD.
2014 Robert Berkley
2015 David A. Anderson, PhD.
2016 Francis “Frank” Fee
2017 Michael D. O’Leary
2018 Harold “Skip” Paul

Person of the Year Award

AMAP periodically honors a Member who has contributed outstanding work on behalf of the Association. By tradition, this person is selected by the Executive Director. This award is presented at the annual Conference. Recipients of this award have included:

2004 John Casola
2005 Tim Glanzman
2006 Al Meitl
2007 Rick Holmgreen
2008 Ronald Corun
2009 Jeanne Kendrick
2010 Darryl Young
2011 Enrique Romagosa
2012 Kevin Carlson
2013 Al Meitl
2014 Robert Berkley
2015 Robert Klutzz
2017 Delmar Salomon

Past AMAP Presidents

1999–2000 Bob Berkley, Polymer Asphalt Products
2001 Bob McGennis, Navaho Western Asphalt
2002 Alden (Corky) Bailey, Jebro, Inc.
2003 Jim Sattler, Momentum Technologies
2004 Laurand Lewandowski, Goodyear Rubber
2004–2005 Rick Holmgreen, Conoco Phillips
2006 Henry Romagosa, TexPar Energy
2007–2008 Ron Corun, Citgo Asphalt Refining
2009–2010 Gaylon Baumgardner, Paragon Technical Services
2011–2012 Ron Corun, NuStar Energy Refining
2013–2014 Jeanne Kendrick, Kraton Polymers
2015–2016 Hal Panabaker, DuPont Elvaloy

2019 AMAP Board of Directors

Executive Committee
President – Everett Crews, Ingevity
Vice President – John Murphy, Ultrapave
Secretary – Karissa Mooney, HollyFrontier
Treasurer – Al Meitl, ECF Incorporated
Past President – Hal Panabaker, DuPont
AMAP Executive Director – Jim Sattler

Board Members
PRODUCER MEMBERS
- John Baumgartner, Bit Mat Products
- Marty Burrow, Vance Brothers
- Bob Forfylo, LaFarge Asphalt Technologies
- Sam Huddleston, Marathon Petroleum
- Karissa Mooney, HollyFrontier

SUPPLIER MEMBERS
- Jessie Davidson, Innophos
- Dan England, LCY Elastomers
- Philip Kayal, Rogitex Inc.
- Ranjani Murthy, Wacker Chemical
- John Murphy, Ultrapave Corporation

ASSOCIATE MEMBERS
- John Casola, Malvern Panalytical
- Ken Grzybowski, PRI Asphalt Technologies
- Delmar Salomon, Pavement Preservation Systems LLC
Keynote Address: Leaders Are Trained - Not Born

Keynote speaker and special workshop presenter General William “Gus” Pagonis gained attention as General Norman Schwarzkopf’s logistics commander during Operation Desert Shield/Desert Storm. He was responsible for all logistics—food, shelter, fuel, ammunition, transportation and contracting during the first Gulf War.

He was called “the logistical wizard behind the Allied success in Operation Desert Storm” in the book Delivering the Goods, and his experiences and methods from his 29-year career in the army are detailed in the book Moving Mountains: Lessons in Leadership and Logistics from the Gulf War and the journal article “The Pagonis Effect: A Doctrinal Future for the Support Area Command Post” in Military Review.

In the army, Pagonis headed logistics in tours of Vietnam, Panama, and Germany, as well as during the Persian Gulf. He also served two tours in the Pentagon, one as a legislative liaison officer responsible for coordination with Congress, the other in charge of transportation, energy, and troop support for the Army. Among his awards and decorations are the Distinguished Service Medal, Silver Star, Legion of Merit with Oak Leaf Cluster, Bronze Star with “V,” and three Air Medals.

After retiring as a Lieutenant (Three-Star) General, Pagonis joined Sears, Roebuck & Co in 1993, serving first as Senior Vice President of Logistics and then Executive Vice President for Logistics during the company’s turnaround in the 1990s. He was responsible for all of the company’s logistics, including vendor relations, transportation, home delivery services, and the integration of logistics information systems. In 2000 he became Chairman of Rail America, North America’s leading operator of short-line railroads. Gus also, served as the Vice Chairman of GENCO, a third-party warehouse operator and transportation management firm.

Gus and his wife Cheri own and operate C&G Ranch in the Allegheny Mountains north of Pittsburgh, Pennsylvania. They offer horse boarding, riding instruction, daycamps, horse shows and also have horses for sale. It is a beautiful facility in a perfect setting.

Hear General Pagonis on Tuesday and Wednesday

During his Leadership Workshop on Tuesday afternoon (all attendees are invited), Pagonis will provide guidance on Changing Strategy Into Execution. Great ideas are nothing without proper implementation, and Pagonis will explain common missteps and offer insights for ways to turn strategies into practice.

In his Keynote Address on Wednesday, Pagonis will make the case that Leaders Are Trained — Not Born. He will draw on observations on leadership from his military and civilian careers to discuss the potential for leadership and the critical need for training.

You won’t want to miss these events. You will walk away from them both inspired and empowered.
**WEDNESDAY, FEBRUARY 6**

**Session 1**
Managing Change In A Global Economy

**Trends in Asphalt Binders and End Applications**

**Peter Grass**  
*President - Asphalt Institute*

Learn about historical trends in asphalt binder volumes in North America including a special look at PADD I. Pete will also discuss some of the ways the Asphalt Institute is promoting the increased use of asphalt.

**Maintaining Service Life While Managing Change**

**Jim Moulthrop**  
*Executive Director - Foundation for Pavement Preservation (FP²)*

One of the principal reasons to develop and maintain a robust pavement preservation program is to maintain or improve service life of the existing roadway network. Although a worthwhile endeavor, complications arise when we try to accomplish this when faced with shrinking budgets and personnel changes. These issues will be discussed.

**Zero Balance Warranty Specifications: A Path to Better Performing Pavements**

**Gerry Huber**  
*Associate Director of Research - Heritage Research Group*

Gerry will present a proposal for a new approach for owner/agencies to achieve the biggest bang for their taxpayers’ dollars while rewarding contractors and producers who use technology and innovation to generate better highway life-cycle costs and performance.

**How To Cope With Variable Asphalt**

**Jean-Pascal Planche**  
*Vice President Asphalt & Petroleum Technologies - Western Research Institute*

Current asphalt binder production has significantly changed since the SHRP Superpave days due to economic, technical, and environmental reasons. Petroleum sources and product demands have changed considerably, and as a result, refining technologies have had to adapt and so do asphalt suppliers. Blending of crude oils and refining streams, as well as additive treatment at various stages of extraction or refining, is now common practice and continues to grow. Considering asphalt as a straight run vacuum residue from a single crude is now the exception. Dr. Planche will present work done at WRI to formulate and compatibilize variable asphalt streams in modified products for improved performance.

**IMO 2020: A Sea Change Is Coming**

**Ralph Grimmer**  
*Senior Associate - Stillwater Associates*

The International Maritime Organization (IMO) is moving forward with its “IMO 2020 Rule” which will reduce the maximum sulphur content of marine fuel (aka bunker fuel oil) from 3.5 weight percent (wt. %) to 0.5 wt. % in areas outside of Emission Control Areas. Impacts of the IMO 2020 Rule on market pricing will be keenly felt by all participants in the marine fuel chain – ship owners, marine fuel suppliers, refiners, and associated industry sectors including asphalt. In his presentation, Ralph Grimmer will discuss compliance, enforcement, ship owner decision-making, market price and refining implications, changes in the marine fuels mix, capital investments encouraged by IMO 2020, how the IMO 2020 roll out is likely to unfold, and the potential impact on global asphalt production.

**Developing a Life-Cycle Assessment for Asphalt in North America**

**Ron Corun**  
*Specialty Products Sales and Marketing Manager - Associated Asphalt*

Life-cycle assessment is a technique to assess environmental impacts associated with all the stages of a product’s life from raw material extraction through materials processing, manufacture, distribution, use, repair and maintenance, and disposal or recycling. Developing an LCA for your asphalt can help avoid a narrow outlook on environmental concerns.

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**Want to see a presentation again?**

Because you have attended the AMAP Conference or Workshop you will have online video access to all of our speakers’ presentations.

Watch for an email from us with instructions on how to access them. Presentations will be available online by March 1.
Session 2
Industry Perspectives

Regional Trends in Pavement Preservation
Larry Galehouse
Founder & Director Emeritus – NCPP at Michigan State University
Pavement preservation is recognized through federal law and encouraged by U.S. DOT policy as a vital set of activities to sustain and improve our highway system. Highway agencies have programmed preservation treatments into their asset management plans as the most cost-effective approach to extend pavement life, enhance performance, and improve user experience. Most agencies are still building their preservation toolboxes and tend to favor certain treatments over others. This presentation will cover the four geographic regions of our country and discuss trends, institutional challenges, and future opportunities for expanding the use of preservation treatments.

Market Perspectives For Asphalt Roofing
Reed Hitchcock
Executive Vice President - Asphalt Roofing Manufacturers Association
Asphalt roofing has been around since the time of the Pharaohs in Egypt. For millennia, the technology changed little if at all. However, over the past century asphalt roofing has become the dominant product for North American homes and a leading material for commercial buildings. While polymer modified asphalts have been used in commercial roofing for a number of years, we are seeing the technology incorporated into new asphalt shingles entering the market. This session will discuss the current state of the asphalt roofing industry, key competitors, and evolving technologies.

Results of AMAP DOTs & Modified Asphalt Producers Survey
Brian Hirt
Research Manager - CTC & Associates
In recent months, AMAP has commissioned a survey of companies that modify asphalt for roofing, paving and other applications and a second survey of State and Provincial departments of transportation. These surveys were intended to learn more about material use and forward trends, needs and expectations. Brian will discuss the results of these surveys.

Session 3
Specifications & Technical Updates

FHWA Binder & Mix Expert Task Groups Status Report
Gaylon Baumgardner
Executive VP - Paragon Technical Services
The Expert Task Group (ETG) on Asphalt Mixtures and Binder Technology is organized to discuss matters relating to the research and implementation of asphalt mixture and binder technology. The ETG meets two times per year for technical information interchange on asphalt issues and to identify potential improvements to mixture, binder and aggregate specifications and standard test methods. The Group also determines research need standards and encourages government / industry / academics discussion of emerging issues. Matt will discuss current issues before the Group.

Emulsion Task TSP2 Force-Development of Binders and Treatment Standards
Colin Franco
Assoc. Chief Engineer - Rhode Island DOT
This presentation will address the development of national standards in AASHTO format for all emulsion binders and treatments. Colin will also discuss the development of QA (materials and workmanship) programs for all the treatments, concluding with education training and certification for emulsion stakeholders and practitioners.

Advancements in Testing Roofing Asphalt Binder
Mike Anderson
Director of Research and Laboratory Services - Asphalt Institute
The testing of asphalt binder used in roofing applications still largely relies on conventional, empirical tests such as Penetration and Softening Point. Even though there may not yet be agreement on what the requirements should be, it is clear that rheological tools can provide more and better information than conventional tests on the expected behavior of asphalt roofing binders, both modified and unmodified, at a wide range of temperatures and loading frequencies.
Conference Speakers and Topics

- **Emulsion Technology Trends**
  
  **Arlis Kadrmas**  
  Technical Specialist - BASF Corporation
  This presentation will review the current testing process and polymers used in the asphalt emulsion industry and show how the new recovery techniques and testing procedures are being evaluated. A review of how these may affect specifications will also be discussed.

- **Oklahoma DOT Experiences with Modified Asphalt**
  
  **Kevin Suitor**  
  Asphalt Branch Manager - Oklahoma DOT
  This presentation will provide ODOT’s perspective on modified asphalt, including current practices, MSCR implementation, high polymer content HMA and future direction of PMA.

- **Georgia’s Construction Experience Using PMA Hot Mix Asphalt**
  
  **S. Jacob Walker, P.E.**  
  Assistant Bituminous Technical Services Manager - Georgia DOT
  The Georgia Department of Transportation has accumulated years of experience with mixtures using polymer-modified binder. These mixture types include dense-graded Superpave mixtures, gap-graded SMA mixtures, and open-graded friction courses. The agency has become very familiar with the positive attributes of the mixtures using the polymer-modified binder, as well as the best practices to follow when these mixtures are used in construction.

- **SPG – TxDOT’s Efforts with PG for Chip Seals**
  
  **Jerry Peterson Jr.**  
  Manager, Asphalt Chemical Branch - Texas DOT
  This is a discussion of TxDOT’s efforts to develop and implement a performance-based binder specification for chip seal, using PG test methods. This will include a history of research that led to the specification, what efforts were made to test, adjust, and implement it, and its current status.

- **Ontario Quality of Asphalt Review (Importance of Good Specifications)**
  
  **Vince Aurilio**  
  Director, Ontario Asphalt Pavement Council
  In 2016, the Ontario Auditor General identified six contracts that exhibited premature cracking due to inferior asphalt binders. The results of the testing conducted are briefly presented along with a discussion of the primary causes of the premature failure and recommendations for improvements.

- **Evolution of the FDOT Binder Acceptance Program**
  
  **Howie Moseley**  
  State Bituminous Materials Engineer - Florida DOT
  This presentation will provide a historical overview of how FDOT’s binder specifications have evolved over the past several years. It will also include a synopsis of FDOT’s current binder specifications and ongoing binder related research.

- **Modified Binders in Maine and New England**
  
  **Derek Nener-Plante, P.E.**  
  Asphalt Pavement Engineer, Maine DOT
  This presentation will discuss MaineDOT’s increasing use of modified binders and the corresponding benefits that have been realized. Also, MaineDOT’s move to the MSCR specification and use of modified in binders in preservation treatments will be highlighted. Current trends and future expectations of modified binder usage by MaineDOT and New England as a whole will be discussed.

- **Impacts of Polymer-Modified Asphalt Binders on Pavement Performance & Cost**
  
  **Walaa Mogawer, Ph.D., P.E.**  
  Highway Sustainability Research Center, Director - University of Massachusetts
  A survey was designed to determine how many DOTs use PMA in dense-graded structural mixtures, and if they do not use it, to explain why. The results of this study will be discussed in detail.
The Association of Modified Asphalt Producers will honor Mr. Willem Vonk with its Lifetime Achievement Award and induction into its Modified Asphalt Hall of Fame at AMAP's 20th Anniversary Conference. The ceremony and reception in Vonk's honor will be held Wednesday, February 6th at the Pier Sixty-Six Hotel.

Willem Vonk began his career as an asphalt technician with Shell Research in the Netherlands during the period when using polymers to enhance asphalt performance was becoming more common. His work included nearly every aspect of asphalt development and application. His deep interest in modified asphalt led him to earn his chemical engineering degree in 1972 while working for Shell.

During his 50-year career in asphalt working within a division of Shell that later became Kraton Polymers, Vonk played an integral role in shaping the global understanding and direction of polymer synthesis and application methodology for asphalt modification. Most of his work contributed to the understanding of the fundamentals of asphalt binder adhesion properties, asphalt emulsion technologies and modification of roofing membranes.

Within his work in the fundamental aspects of polymer modified asphalt (PMAs), he developed a hot centrifuge technique to separate the two phases that are normally present in such PMAs and could thus characterize the differences in composition, the effect of temperature on the composition and the phase equilibrium. Using this technique, he was able to determine the asphalt constitutional boundaries to create single phase blends even at high polymer concentrations. Vonk's work with PMAs, high vinyl block copolymers and other efforts have led to numerous asphalt and polymer processes and patents on technologies that are still used today.

In 2002, he was honored by his peers in the polymer industry with the Technical Award of the International Institute of Synthetic Rubber Producers (IISRP) for his pioneering work on polymer modified bitumen. As one of the world’s leading modified asphalt experts, Vonk has written numerous journal articles and has presented work at technical conferences in all parts of the world.

Vonk remained involved in asphalt product and application developments until his retirement in 2017. While he continues to share his extensive knowledge on polymer modification of asphalt by presenting at industry conferences throughout the world, Vonk is also taking time to enjoy life in the Netherlands.

Hear Vonk at the Workshop Program on Tuesday

During the Technical Workshops on Tuesday, Vonk will lead a seminar on the history of asphalt modification, from its initial use in roofing applications to its widespread extension into road applications. He will trace the timeline of asphalt modification from the mid-nineteenth century until the present and give his thoughts about future developments.
Monday, February 4, 2019

Morning Committee Meetings
1:30 – 5:00 p.m. Board of Directors’ Meeting, Commodore Room
3:00 – 5:00 p.m. Registration Desk Open, Elevator Foyer
3:30 – 4:30 p.m. Technical Committee Meeting, Captain’s Boardroom
6:00 – 7:30 p.m. Early Arrivals Get-Together, Marina Deck at Pelican Landing

Tuesday, February 5, 2019

7:00 a.m. – 7:00 p.m. Registration Desk Open, Elevator Foyer
8:00 a.m. – 5:00 p.m. Modified Asphalt Workshops, Crystal Ballroom
10:00 – 4:00 p.m. Exhibitor Set-Up, Crystal Atrium
12:00 – 1:00 p.m. Workshop Attendee Lunch, Garden Terrace (outside)
1:15 – 5:00 p.m. Changing Strategy into Execution, Crystal Ballroom 2&3
  • Lieutenant General (ret.) William “Gus” Pagonis
5:15 – 7:30 p.m. RECEPTION: AMAP 20th Anniversary Celebration & Tabletop Exhibits, Crystal Atrium

Wednesday, February 6, 2019

7:00 – 8:00 a.m. Moderators and Speakers’ Breakfast, Commodore Room
7:00 – 3:30 p.m. Registration Desk Open, Elevator Foyer

Opening Session, Crystal Ballroom

8:00 – 8:15 a.m. Welcome
  • Jim Sattler, AMAP Executive Director

8:15 – 8:30 a.m. President’s Opening Remarks
  • Everett Crews, Ingevity

8:30 – 9:30 a.m. Keynote: Leaders are Trained – Not Born
  • Lieutenant General (ret.) William “Gus” Pagonis
Conference Program

Session 1: Managing Change in a Global Economy
Moderator: Dr. Everett Crews, Ingevity Corporation

9:30 – 10:15 a.m. Trends in Asphalt Binders and End Applications
  • Peter Grass, President, Asphalt Institute

10:15 – 10:30 a.m. BREAK

10:30 – 11:15 a.m. Maintaining Service Life While Managing Change
  • Jim Moulthrop, Executive Director, Foundation for Pavement Preservation (FP2)

11:15 – 12:00 p.m. Zero Balance Warranty Specifications: A Path to Better Performing Pavements
  • Gerry Huber, Associate Director of Research, Heritage Research Group

12:00 – 1:15 p.m. LUNCHEON, Windows on the Green (Lower Level)
  • State of the Association Address, Everett Crews, AMAP President
  • New Member Introduction, Everett Crews, AMAP President
  • Scholarship Awardees, Delmar Salomon, Pavement Preservation Systems
  • Person of the Year Award Presentation, Jim Sattler, AMAP Executive Director

1:15 – 1:45 p.m. How to Cope with Variable Asphalt
  • Jean-Pascal Planche, Vice President, Asphalt & Petroleum Technologies, Western Research Institute

1:45 – 2:30 p.m. IMO 2020: A Sea Change is Coming
  (The Implications Coming from the Marpol Convention)
  • Ralph Grimmer, Senior Associate, Stillwater Associates

2:30 – 2:45 p.m. BREAK

2:45 – 3:30 p.m. Developing a Life-Cycle Assessment for Asphalt in North America
  • Ron Corun, Specialty Products Sales & Marketing Manager, Associated Asphalt

Session 2: Industry Perspectives
Moderator: Dr. Ranjini Murthy, Wacker Chemical

3:30 – 4:15 p.m. Regional Trends in Pavement Preservation
  • Larry Galehouse, Founder & Director Emeritus, NCPP at Michigan State University

4:15 – 5:00 p.m. Market Perspectives for Asphalt Roofing
  • Reed Hitchcock, Executive VP, Asphalt Roofing Manufacturers Association

5:00 – 5:30 p.m. Results of AMAP DOTs & Modified Asphalt Producers Survey
  • Brian Hirt, Research Manager, CTC & Associates

5:00 – 6:00 p.m. Tabletop Exhibits Open, Crystal Atrium

5:45 – 7:30 p.m. RECEPTION Honoring Willem Vonk, Pier Top Ballroom
  • AMAP Modified Asphalt Hall of Fame Inductee & Lifetime Achievement Award Recipient
Conference Program

Thursday, February 7, 2019

7:00 – 7:45 a.m.   Attendee Continental Breakfast, Crystal Atrium
                   Tabletop Exhibits Open, Crystal Atrium

7:00 – 12:00 p.m.  Registration Desk Open, Elevator Foyer

Specifications and Technical Updates: What You Need to Know Today

Moderator: Dr. Fred Mazzeo, Malvern Panalytical

7:45 – 8:30 a.m.   FHWA Binder & Mix Expert Task Groups Status Report
                   • Gaylon Baumgardner, Executive VP, Paragon Technical Services

8:30 – 9:00 a.m.   Emulsion Task TSP2 Force-Development of Binders and Treatment Standards
                   • Colin Franco, Associate Chief Engineer, Rhode Island DOT

9:00 – 9:30 a.m.   Advancements in Testing Roofing Asphalt Binder
                   • Mike Anderson, Director of Research and Laboratory Services, Asphalt Institute

9:30 – 10:00 a.m.  Emulsion Technology Trends
                   • Arlis Kadrmas, Technical Specialist, BASF Corporation

10:00 – 10:15 a.m. BREAK

Session 4: Owner/Agencies Experiences

Moderator: Dave Johnson, Asphalt Institute

10:15 – 11:00 a.m. Ontario Quality of Asphalt Review (Importance of Good Specifications)
                   • Vince Aurilio, Executive Director, Ontario Asphalt Pavement Council

11:00 – 11:45 a.m. Impact of Polymer-Modified Asphalt Binders on Pavement Performance & Cost
                   • Walaa Mogawer, Ph.D., P.E., Highway Sustainability Research Center, Director – University of Massachusetts

11:45 – 12:45 p.m. LUNCHEON, Windows on the Green (Lower Level)
                   • Introduction of the AMAP DOT Advisory Board, Skip Paul, Advisory Board Chair

12:45 – 1:30 p.m.  Evolution of the FDOT Binder Acceptance Program
                   • Howie Moseley, State Bituminous Materials Engineer, Florida DOT

1:30 – 2:15 p.m.   Modified Binders in Maine and New England
                   • Derek Nener-Plante, P.E., Asphalt Pavement Engineer, Maine DOT

2:15 – 3:00 p.m.   Oklahoma DOT Experiences with Modified Asphalt
                   • Kevin Suitor, Asphalt Branch Manager, Oklahoma DOT

3:00 – 3:15 p.m.   BREAK

3:15 – 4:00 p.m.   Georgia’s Construction Experience Using PMA Hot Mix Asphalt
                   • S. Jacob Walker, P.E., Assistant Bituminous Technical Services Manager, Georgia DOT

4:00 – 4:45 p.m.   SPG – TX DOTs Efforts with PG for Chip Seals
                   • Jerry Peterson Jr., Manager, Asphalt Chemical Branch, Texas DOT

4:45 – 5:30 p.m.   Results of the AMAP Sponsored Study on RAP in Modified Asphalt
                   • Mike Anderson, Director of Research and Laboratory Services, Asphalt Institute
Exhibitors

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Scholarship 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. We know that Dave, as a true academic, 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 in 2018 we are awarding four $2,000 scholarships.

This year we have 41 applicants from Colleges and Universities across North America. We continue to be impressed with the quality of students applying. With so many highly qualified applicants, the selection process was difficult as usual. AMAP’s Dr. David R. Jones IV scholarship continues to align well with our internship program, as many of these students come pre-loaded with laboratory and engineering skills and can fill meaningful roles in industry while gaining valuable real world experience.

Find Interns and New-Hires with AMAP’s Internship Program

The next generation of modified asphalt professionals is out there. Let AMAP help you find them!

AMAP re-launched our internship program for 2019 to connect AMAP member companies and public agencies with students interested in internships while in school or work after graduation. Several students have entered their qualifications, employment goals, fields of interest, and availability (summer/fall, part-time/full-time, geographic location) into our database, with more adding themselves regularly.

AMAP members and public agencies received a link and password in December to access these entries, and we will send the link again right after this conference. If you need the link and don’t receive it, please let AMAP know.

And one last note: If you know students looking for an internship or entering the workforce soon, please point them to modifiedasphalt.org/internship to fill out the application form.

Our thanks to the Scholarship Committee

Delmar Salomon,
Chairman - Pavement Preservation Solutions

Kevin Hardin - Vecenergy

Sue Ann Jones

Sam Jones

David R. Jones IV

Experience: Owens Corning/Trumbull and the University of Texas, where he was a key part of the Asphalt Research Team responsible for the Performance Graded Asphalt Binder Specification.
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