



WAPA

WISCONSIN ASPHALT PAVEMENT ASSOCIATION

58TH ANNUAL

CONFERENCE & BUSINESS MEETING

CONFERENCE PROGRAM

NOVEMBER 28-29, 2017

MARRIOTT WEST
MADISON, WISCONSIN

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CONFERENCE AGENDA

DAY 1

Tuesday, November 28

WAPA Members Only

- 8:00 – 9:00 WAPA Board of Directors Annual Business Meeting (Middleton Room)
- 9:00 – 9:30 WAPA Executive Committee Meeting (Middleton Room)
- Registration from 8 a.m. to 5 p.m.

General Sessions

- 9:30 – 9:45 Welcome, Brandon Strand, WAPA Executive Director
- 9:45 – 10:00 Opening Comments, Dan Gallagher, NAPA Chairman, Gallagher Asphalt
- 10:00 – 10:30 Wisconsin DOT Update, Joe Nestler, Administrator, Division of Transportation System Development, WisDOT
- 10:30 – 11:30 Construction Industry's Economic Outlook, Anirban Basu, CEO, Sage Policy Group
- 11:30 – Noon Transportation Funding and Legislative Update, Eric Petersen, Wimmer & Company
- Noon – 1:00 Awards and Scholarship Luncheon *sponsored by Flint Hills Resources*

Concurrent Breakout Sessions

	Geneva	Mendota	Salon A	Salon B & C	Salon F	Salon G & H
Session 1: 1:15-2:15	Warm-Mix Asphalt		Back to Basics: Work Zone Safety	Back to Basics: Asphalt Binder		Back to Basics: Volumetrics
Session 2: 2:30-3:30	Warm-Mix Asphalt	Sub-Base Stabilization	Back to Basics: Work Zone Safety		Ethics Training	
Session 3: 3:45-4:45		Sub-Base Stabilization		Back to Basics: Asphalt Binder	Ethics Training	Back to Basics: Volumetrics

- 5:00 – 6:00 Reception *sponsored by American State Equipment*
- 6:00 – 7:00 Dinner *sponsored by Aring Equipment Company*
- 7:30 – Close Hospitality Suite *sponsored by Miller-Bradford & Risberg*

DAY 2

Wednesday, November 29

Registration from 7 a.m. to 10 a.m.

General Sessions

- 8:30 – 9:00 The Illinois Tollway Story, Bill Vavrik, Vice President,
Applied Research Associates
- 9:00 – 10:00 Autonomous Vehicles, Peter Rafferty, Manager, UW-Madison Traffic
Operations and Safety (TOPS) Laboratory,
and Steve Caya, President, Roadview
- 10:15 – 10:45 National Road Research Alliance Update,
Barry Paye, Chief Materials Engineer, WisDOT
- 10:45 – 11:15 National Center for Asphalt Technology Update,
Dave Timm, Civil Engineering, Auburn University
- 11:15 – 11:30 Adjournment, Brian Endres, WAPA President, Payne & Dolan

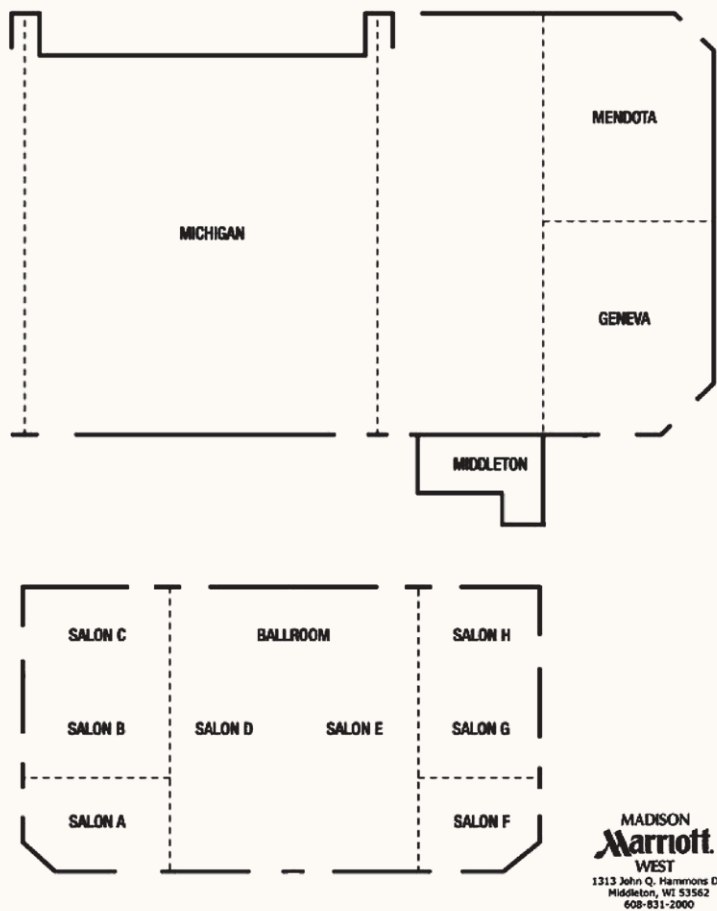


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CONVENTION MAP



Registration _____ Preconvene Area
General Sessions _____ Ballroom (Salon D & E)
Exhibits and Breaks _____ Atrium
Technical Breakout Sessions _____ See Page 2
Lunch _____ Michigan Room
Reception _____ Atrium
Dinner _____ Ballroom (Salon D & E)
Hospitality Suite _____ Room #226



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GENERAL SESSION SPEAKER BIOGRAPHIES

Dan Gallagher

Dan Gallagher has been in paving almost all of his life. Soon after getting a degree in mechanical engineering technology from Purdue University, Dan started working at Gallagher Asphalt Corporation in Thornton, Illinois. Over the years, Dan worked as a quality control technician, plant foreman, plant superintendent, and Vice President of Operations. Dan currently serves as COO of Gallagher Asphalt. He is active in the Illinois Asphalt Pavement Association, the Association of Asphalt Paving Technologists; He is a past Chairman of the National Center for Asphalt Technology (NCAT) and the current Chairman of the National Asphalt Pavement Association (NAPA).

Joe Nestler

Joeseeph Nestler was appointed WisDOT chief engineer and administrator of the Division of Transportation System Development in February 2017. Joe is a registered professional engineer with a civil engineering degree from the University of Illinois. He has more than 25 years of transportation engineering experience through his work in the private sector and the Wisconsin Department of Transportation. Outside of transportation, Joe spent four years working in research and development and is an author on four U.S. patents.

Anirban Basu

Anirban Basu is Chairman & CEO of Sage Policy Group, Inc., an economic and policy consulting firm headquartered in Baltimore, Maryland with offices in Pennsylvania and Indonesia. The firm provides strategic analytical services to energy suppliers, law firms, medical systems, government agencies, and real estate developers among others. He currently lectures at Johns Hopkins University in Global Strategy. Mr. Basu earned his B.S. in Foreign Service at Georgetown University in 1990. He earned his Master's in Public Policy from Harvard University's John F. Kennedy School of Government, and his Master's in Economics from the University of Maryland, College Park. His Juris Doctor was earned at the University of Maryland School of Law.

Eric Petersen

For the past 18 years, Mr. Petersen has been known as one of the most effective government relations consultants in Wisconsin. An attorney, Mr. Petersen has served as President of Wimmer & Company since 1998, and previous to that Vice President for four years. Prior to joining Wimmer & Company, Mr. Petersen was a Public Finance Analyst and Associate for Bear Stearns in their New York Office. Mr. Petersen is a graduate of the University of Pennsylvania with a BA in History, BA in

Foreign Policy (1990); and the University of Wisconsin Law School (1997). In addition to his role with Wimmer & Company, Mr. Petersen serves on the Board of the following organization: American Players Theater, Wisconsin Veterans Museum, Madison Club and the University of Wisconsin Alumni Association.

Bill Vavrik

Dr. Vavrik is a Vice President, Principal Engineer, and manager of the Transportation Infrastructure Division of Applied Research Associates (ARA). He joined ARA in 2000 and has been responsible for a diverse project portfolio including projects in pavement and transportation engineering. Dr. Vavrik leads the ARA team supporting the Illinois Tollway in Pavement and Infrastructure Management. He is responsible for the oversight and guidance of a team that is responsible for pavement design, management, infrastructure asset management, materials, specification development, research, and sustainability systems.

Peter Rafferty

Peter Rafferty has been with the UW-Madison College of Engineering for 11 years. At the Wisconsin Traffic Operations and Safety (TOPS) Lab, he manages research and development aspects of connected and automated vehicles,

transportation systems management and operations, and intelligent transportation systems. Peter also has prior experience with the Washington State DOT and several years in the private sector. He completed a BS and MS, as well as doctoral work, in transportation engineering, planning, and economics. Since the USDOT designated Wisconsin in January as an automated vehicle proving ground, he has been leading the continued development of that program.

Steve Caya

Steve Caya is President of Roadview, Inc., a dedicated geospatial data collection, processing, and delivery company. In addition to overseeing Roadview's day-to-day operations, Steve sits on the Governor's Steering Committee on Autonomous and Connected Vehicle Testing and Deployment, alongside other experts and officials working to devise AV policy recommendations for the Governor and the State of Wisconsin. He also provides his expertise to the Wisconsin AV Proving Grounds in his role as chair of its program on autonomous vehicle infrastructure, and additionally serves as a board member of the Geospatial Transportation Information Management Association (GTIMA).

GENERAL SESSION SPEAKER BIOGRAPHIES

Barry Paye

Barry Paye currently serves as the Department's Chief Materials Engineer in the Bureau of Technical Services, and has worked with Wisconsin DOT since 2006. He serves as the WisDOT representative on several regional and national committees. Previously, he served as the WisDOT Central Office Material's Lab Supervisor, and in several construction and materials roles in the Northeast Region. Prior to working for WisDOT, Barry worked for the Minnesota DOT for over 4 years, working on their first major design build project. Barry has his BS and MS in Civil Engineering from UW-Madison, specializing in construction management and HMA research. He is a licensed Professional Engineer in Minnesota and Wisconsin.

Dave Timm

Dr. Timm is the Brasfield & Gorrie Professor of Civil Engineering at Auburn University where he has been on the faculty since 2001. He earned his bachelor's, master's and doctoral degrees from the University of Minnesota, specializing in asphalt and pavement engineering. He works extensively with the National Center for Asphalt Technology executing full-scale accelerated pavement testing and research. He currently chairs the TRB Committee on Design and Rehabilitation of Asphalt Pavements. He is a registered professional engineer in Alabama.

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TECHNICAL BREAKOUT SESSION SUMMARIES

Back to Basics: Asphalt Binder (1 PDH)

Dan Swiertz, Bitumix Solutions, a Division of H.G. Meigs

Asphalt binder is the glue that holds a mixture together. Choosing the right type of binder is critical for long-term performance of pavements. This session looks at asphalt binder's properties; how it is produced; and how to choose the right binder --including considering modified binders -- for the job.

Back to Basics: Volumetrics in Asphalt Mixtures (1 PDH)

Paul Eggen, OMNNI Associates

Knowledge of volumetric properties is important in understanding how an asphalt mixture will perform. Asphalt technologists commonly toss around acronyms and terms like VMA, VFA, and bulk specific gravity, but do we really understand what they represent? This session demystifies asphalt mixture volumetrics and explains how volumetric properties interact.

Back to Basics: Work Zone Safety (1 PDH)

Andrea Bill, UW-Madison Transportation Information Center

Road construction and work zones can be hazardous not only for drivers, but for workers on the job site. By reducing disruptions to traffic flow, you can minimize liabilities and prevent

accidents. In this session, you will learn how to meet Wisconsin requirements for work zone traffic control, improving the safety of your workers and all road users.

Ethics Training (1 PDH)

Jeff Russell, UW-Madison

Back by popular demand, this session will focus on the fundamental canons of professional conduct and other appropriate administrative rules and regulations. The discussion is designed to demonstrate a working knowledge of professional ethics and satisfy the requirement for "professional conduct and ethics".

Sub-Base Stabilization (1 PDH)

**Dave Crowley, Uretek USA
Brian Francis, Elsey Group Inc.
Paul Schaus, Road Fabrics
Doug Zuberer, Zydex Industries**

Soil stabilization with the addition of various additives can be effective in the construction and life of a pavement structure. In this session, construction sequences and methods suitable for soil stabilization operations will be discussed. The presentation will feature a step-by-step procedure for using soil stabilization as well as how to select the type and amount of a stabilizer to use with specific soil types.

Warm-Mix Asphalt (1 PDH)

Craig Reynolds, Ingevity

Warm-mix asphalt is the generic name for technologies that allow producers to lower the temperatures at which the material is mixed and placed on the road. In this session, you will learn about

the engineering and construction benefits of warm-mix asphalt including better compaction of pavements; the ability to pave at lower temperatures; and cutting fuel consumption and decreasing the production of greenhouse gases.



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The advertisement features a dark, atmospheric background of a road at night with light trails from traffic. The ARIBOS logo is at the top, followed by a tagline. The product name "PITCH BLACK" is prominently displayed in a large, bold, distressed font, with a single drop of sealant replacing the letter 'I' in "BLACK". Below it, "ASPHALT EMULSION SEALCOAT" is written in a clean, white sans-serif font. At the bottom, contact information is provided in a smaller white font.

2017 ENVIRONMENTAL LEADERSHIP AWARDS

Renewal Awards—Permanent Plants

Mathy Construction Company Plant 86
(La Crosse)
Monarch Paving Company Plant 26
(Menomonie)
Monarch Paving Company Plant 87
(Eau Claire)
Northeast Asphalt Control 30 (Shawano)
Northeast Asphalt Control 35
(Sturgeon Bay)
Northeast Asphalt Control 51
(Sheboygan Falls)
Northeast Asphalt Control 57 (Eden)
Payne & Dolan Control 6 (Vienna)
Payne & Dolan Control 15 (Jackson)

Renewal Awards—Portable Plants

Mathy Construction Company Plant 24
Mathy Construction Company Plant 52
Monarch Paving Company Plant 20

New Award—Permanent Plants

Payne & Dolan Control 10 (La Grange)
Payne & Dolan Control 11 (Rugby)

New Award—Portable Plants

Payne & Dolan Control 29 (Honey Creek)
Payne & Dolan Control 33 (Stoughton)

Congratulations to all recipients!



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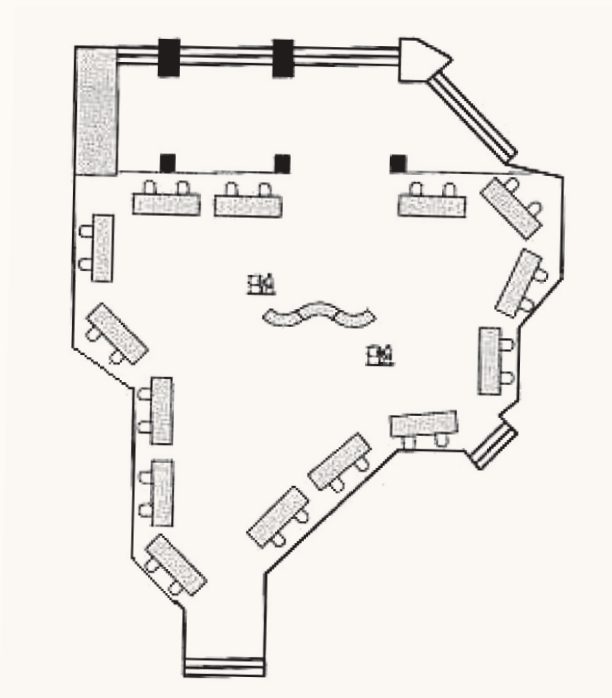
The Exhibit Area is open from 8:00 a.m. to 5:00 p.m. on Tuesday and from 8:00 a.m. to 12:00 p.m. on Wednesday. Events taking place near the Exhibit Area are:

Tuesday, November 28

- 8:00 – 11:45 _____ Coffee Station
- 1:15 – 5:00 _____ Refreshment and Coffee Station
- 5:00 – 6:00 _____ Reception

Wednesday, November 29

- 7:30 – 11:30 _____ Breakfast and Coffee Station



HOW DID WE DO?

Soon after the conference, WAPA will send out a short online survey to all attendees. Please take a moment to share your thoughts.

What did you find valuable at the conference? What aspects could be improved?

Your input will help us make the WAPA conference even better next time.

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Contact WAPA

Remember, when looking for services or supplies, please consider a WAPA member. If you know of a company who should be a member, please be sure to contact us.

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We greatly appreciate your membership and support of the Wisconsin Asphalt Pavement Association.