

Meet the Moderators



John Lynch has 35 years of experience in various positions at Iroquois Paving Corporation in Watseka, Illinois, including working on a paving crew, working in the Quality Control Lab, and quality estimation. He is the company's current Vice President. He is also a Past President and current Board Member of the Illinois Asphalt Paving Association (IAPA).



Jeff Kern graduated from UIUC in 1998 with an M.S. in Civil Engineering and was one of the original students conducting research at ATREL. He returned to UIUC in 2008 as a Research Engineer for ICT and then became the Quality Control (QC) Manager for Open Road Paving in 2011. Jeff continues to work as a partner with IDOT, the Illinois Tollway, and the HMA industry. He currently sits as the Vice-Chair of the QC Managers Group for IAPA and contributes as a member of the Technical Review Panel on various research projects.



Kevin Burke is the Executive Vice-President for IAPA. In this role, Kevin promotes the improvement and advancement of quality asphalt pavement construction in Illinois; provides assistance to members in the areas of research, technical specifications, environmental issues, education, promotion, government relations, and other related areas; and educates on asphalt pavement's characteristics and benefits. Prior to IAPA, Kevin spent 20 years with IDOT in the Bureau of Materials & Physical Research and the Bureau of Local Roads & Streets. Kevin graduated from Washington University in St. Louis and is a registered Professional Engineer in Illinois.



George Houston is a licensed Professional Engineer in Illinois and a 1989 graduate of UIUC with a B.S. in Civil Engineering. He has worked for IDOT for 29 years and is the Materials Engineer/Bureau Chief of Materials for IDOT in District One, directing and coordinating the District's construction materials inspection program, testing material certification activities, and geotechnical and foundation analysis and investigations.



Dan Gallagher began his career at Gallagher Asphalt Corporation as a plant supervisor in 1987 and is currently the company's Vice President and Chief Operating Officer. He graduated from Purdue University with a degree in Mechanical Engineering Technology. Dan is actively involved in the industry and serves on the IAPA Board of Directors and is the past chairman for NAPA.



Jon-Paul Kohler has been with FHWA for more than 30 years and has served as the Illinois Division's Planning & Program Development Manager since 2000. In this position, he oversees a 10-member staff that delivers the following federal-aid programs including: Asset Management and Transportation Performance Management, Pavement and Materials, Highway Safety, Mobility. Jon-Paul received his B.S. in Civil Engineering in 1987 from the Missouri University of Science & Technology.



Brian Pfeifer was appointed as Bureau Chief of the Central Bureau of Materials at IDOT in April of 2016. He is a 1994 graduate of UIUC, with a B.S. in Civil Engineering, and is a licensed Professional Engineer in Illinois. During his 23-year career, he has worked for IDOT and also for FHWA.



**59th Program
December 11-12, 2018
I Hotel and Conference Center**

Welcome to the 59th Annual Illinois Bituminous Paving Conference!

Each year, this event offers a unique opportunity for academics and professionals, including highway engineers, government officials, contractors, consultants, university researchers, and representatives of firms, to share their broad array of knowledge and perspectives, discuss the latest technical information, and review actual field reports in the area of hot-mix asphalt.

Planned and hosted by the Illinois Center for Transportation, University of Illinois at Urbana-Champaign, the conference provides a forum for the dissemination of up-to-date technical data and discussion of flexible pavement improvement. This year we have more than 300 participants from all over the states. Thank you for attending!

The 60th Annual Illinois Bituminous Paving Conference is tentatively scheduled for December 11-12, 2019 at the I Hotel and Conference Center in Champaign, IL. Please check our website in February for more details!

Website: bituminousconference.ict.illinois.edu
Email: Bituminous@illinois.edu

Conference Exhibitions- Chancellor Ballroom

59th Annual Illinois Bituminous Paving Conference
Conference Exhibitions
Chancellor Ballroom

Exhibitors include: HUMBOLDT, ANPALLY PLUS LLC, Corrective Asphalt Materials, Inströtek Inc., TROXLER, Austin Tyler Construction Co., Inc., HEARTLAND, Controls Group USA, Inc., DUNN COMPANY, Illiana Construction, and Chicago Testing Laboratory, Inc.

Special thanks to our sponsors

Sponsors include: BP Asphalt USA, EMULSICOAT, INC., HUMBOLDT, Illinois Asphalt Pavement Assn., iapa, Illinois Center for Transportation, Trap Rock & Granite Quarries, LLC, Murphy Pavement Technology, Nouryon, OPEN ROAD PAVING, Formerly AlcoaNobel SPECIALTY CHEMICALS, OTR, ProTack Asphalt Spraying Experts, STATE TESTING, and DUNDEE CHICAGO (847) 836-6002.

Wi-Fi Access:

1. Connect to "IllinoisNet_Guest"
2. Open web browser and click "Register a Temporary Guest Account"
3. Complete guest registration form, accept terms of use, and click "Register"
4. Click "Log In" to connect

Program at a Glance

TUESDAY, DECEMBER 11

Location: Chancellor Ballroom

5:30 PM – 8:00 PM

RECEPTION

EXHIBITS and REGISTRATION OPEN

Hors D'oeuvres and Beverages

WEDNESDAY, DECEMBER 12

Location: Lobby and Illinois Ballroom

7:15 AM – 8:00 AM

EXHIBITS and REGISTRATION OPEN

Continental Breakfast

8:00 AM – 8:05 AM

Welcoming Remarks

Imad Al-Qadi, *Conference Chair, Illinois Center for Transportation/University of Illinois at Urbana-Champaign*

8:05 AM – 8:15 AM

Future Plans for IDOT

Randall Blankenhorn, *Illinois Secretary of Transportation*

8:15 AM – 8:25 AM

FHWA Perspective

Glenn Fulkerson, *Assistant Division Administrator*

8:25 AM – 9:10 AM

Keynote Address: Experiences in Performance Assessment of Engineering Low Energy Asphalt Mixes

Andreas Loizos, *National Technical University of Athens*

MORNING SESSION I

Location: Illinois Ballroom

Session Moderator: John Lynch and Jeff Kern

9:15 AM – 9:45 AM

IL Perpetual Pavements: Design-Construction-Performance

Marshall Thompson, *University of Illinois at Urbana-Champaign*

9:45 AM – 10:15 AM

Stone Matrix Asphalt: Impacts on Performance and Life Cycle Cost

Richard Willis, *National Asphalt Pavement Association*

10:15 AM – 10:45 AM

BREAK

EXHIBITS OPEN

MORNING SESSION II

Location: Illinois Ballroom

Session Moderator: Kevin Burke and George Houston

10:45 AM – 11:15 AM

Getting the Most Out of an Asphalt Overlay: Virginia's Experiences with Pavement Recycling

Brian Diefenderfer, *Virginia Transportation Research Council*

11:15 AM – 11:45 AM

Recent Advancements in IDOT

Jim Trepanier, *Illinois Department of Transportation*

11:45 AM – Noon

Bituminous Achievement Awards

Awards Moderator: Dan Gallagher, *Gallagher Asphalt*

12:00 PM – 1:00 PM

LUNCHEON

EXHIBITS OPEN

Chancellor Ballroom, Quad Room, and Alma Mater Room



AFTERNOON SESSION

Location: Illinois Ballroom

Session Moderator: Jon-Paul Kohler and Brian Pfeifer

1:00 PM – 1:30 PM

Paver Segregation

Tim Aschenbrener, *Federal Highway Administration*

1:30 PM – 2:00 PM

SMA Innovations at the Illinois Tollway

Cindy Williams, *Illinois Tollway*

2:00 PM – 2:30 PM

MnROAD Research Advancements though National Partnerships

Ben Worel, *Minnesota Department of Transportation*

2:30 PM – 3:00 PM

Development of Aging Protocol for I-FIT

Hasan Ozer, *University of Illinois at Urbana-Champaign*

3:00 PM – 3:30 PM

The Future of Pavement Preservation in Illinois

LaDonna Rowden, *Illinois Department of Transportation*

3:30 PM – 4:00 PM

Full Lane Sealant

Kelly Morse, *Illinois Department of Transportation*

Meet the Speakers



Imad Al-Qadi is the Bliss Professor of Engineering and Director of the Advanced Transportation Research and Engineering Laboratory (ATREL) as well as the Illinois Center for Transportation (ICT) and the Smart Transportation Infrastructure Initiative at the University of Illinois at Urban-Champaign (UIUC). A registered Professional Engineer and American Society of Civil Engineers (ASCE) Distinguished Member, Imad's research resulted in the development of new tests, testing specifications, advanced modeling, and simulation of pavement loading and crack development.



Randall Blankenhorn, Illinois Secretary of Transportation, leads an agency of 10 offices at the Illinois Department of Transportation (IDOT) that serve the state's transportation needs across rural, suburban, and urban environments. At IDOT, Blankenhorn oversees a multi-billion dollar budget that supports a workforce of 5,000 employees. Prior to his appointment, Blankenhorn was the Executive Director of the Chicago Metropolitan Agency for Planning.



Glenn Fulkerson began his career with the Federal Highway Administration (FHWA) in 1985 after graduating from the University of Kentucky with a B.S. in Civil Engineering. Since 2001 he has served as the Assistant Division Administrator for the Illinois Division, where he provides leadership and direction in successfully delivering a federal-aid highway program in excess of \$1.5 billion annually. He holds an M.S. in Civil Engineering from George Washington University.



Andreas Loizos is the Director of the Laboratory of Pavement Engineering at the National Technical University of Athens. He is a founding member of the Academy of Pavement Science and Engineering and was the chair of the Bearing Capacity of Roads, Railways and Airfields Conference in 2017. He is also co-chair of the International Airfield and Highway Pavements Conference of the Transportation & Development Institute of the ASCE in July 2019.



Marshall Thompson retired in 1996 from the Department of Civil and Environmental Engineering at UIUC, but remains active in research, academic activities, and consulting. His major fields of interest are flexible pavement analysis, design and construction, paving materials, subgrade soils and subgrade stability, soil/material stabilization, and concrete pavement rehabilitation (RUBBLIZATION).



Richard Willis is the Director of Pavement Engineering & Innovation for the National Asphalt Pavement Association (NAPA), where he assists the asphalt industry with issues related to recycled materials including Reclaimed Asphalt Pavement, Recycled Asphalt Shingles, and Recycled Tire Rubber in asphalt mixtures, pavement vehicle interaction, pavement design, and environmental product declarations.



Brian Diefenderfer is an Associate Principal Research Scientist at the Virginia Transportation Research Council in Charlottesville, where he has worked for the past 14 years. His research focuses on providing better tools for the Virginia Department of Transportation to use when designing and rehabilitating its pavement network. Brian received his B.S., M.S., and Ph.D. in Civil Engineering from Virginia Tech and is a licensed Professional Engineer in the Commonwealth of Virginia.



Jim Trepanier is the Engineer of Hot-Mix Asphalt (HMA), Aggregate and Chemical Tests at the Central Bureau of Materials at IDOT. He is a 1991 graduate of Michigan Technological University with a B.S. in Civil Engineering and a licensed Professional Engineer in Illinois.



Tim Aschenbrener joined FHWA in 2012 and currently works on the Pavement Materials Team. Previously, he was with the Colorado Department of Transportation for 22 years. He has an M.S. in Civil Engineering from the University of Texas at Austin and a B.S. in Civil Engineering from Marquette University. He is registered as a Professional Engineer in Colorado.



Cindy Williams joined the Illinois Tollway in March of this year as Deputy Chief of Program Implementation. She graduated from the University of Wisconsin-Madison with a degree in Construction Administration and brings with her 20 years of experience in construction and materials management with the Chicago Department of Transportation. She joins the Tollway near the middle of its 15-year, \$14 billion "Move Illinois" capital program.



Ben Worel is a licensed Professional Engineer in Minnesota, where he has spent 22 years as an Operations Engineer for the Minnesota Department of Transportation. He previously worked as a Minnesota-based consultant for Braun Intertec, where he worked on the Long Term Pavement Performance project. He is a University of Minnesota graduate.



Hasan Ozer earned his B.S. in 1999 from the Middle East Technical University in Turkey, his M.S. in 2005 from Northwestern University in the area of Geotechnical Engineering, and his Ph.D. in 2011 from UIUC. His research and teaching are focused on pavements and asphalt materials.



LaDonna Rowden graduated from the South Dakota School of Mines and Technology in 1992 with a B.S. in Civil Engineering and went to work for IDOT in the Research Section of the Bureau of Materials & Physical Research. LaDonna has spent 26 years with IDOT in various research positions working with pavement analysis, performance monitoring, and policy development. She is a licensed Professional Engineer in Illinois and currently serves as the Bureau Chief of Research.



Kelly Morse is Chief Chemist for IDOT's Central Bureau of Materials. Prior to that, she worked as the Analytical Chemistry Lab Supervisor in the Analytical Chemistry Laboratory at IDOT's Bureau of Materials & Physical Research. Kelly received her B.A. in Chemistry from Illinois Wesleyan University.