ILLINOIS CENTER FOR TRANSPORTATION

66TH ILLINOIS BITUMINOUS PAVING CONFERENCE

DEC. 9-10, 2025

I Hotel and Conference Center
Champaign, IL

This year, the Illinois Bituminous Paving Conference's sessions provide valuable insights into safe and resilient pavements. Join sessions, connect with exhibitors and experts, earn professional development hours and stay updated on the latest advancements in the field.

The University of Illinois Urbana-Champaign's Illinois Center for Transportation is responsible for planning and hosting this event.

TUESDAY, DECEMBER 9

Location: I Hotel and Conference Center | Heritage Hall

3:30 - 5:00 P.M.

Flexible Pavement Smoothness: Construction, Performance, Measurements and Rolling Resistance

Bill Pine, Heritage Group. Focus: HMA Production & Best Practices
Hyung Lee, Applied Research Associates. Focus: Pavement Performance
John Senger, Illinois Department of Transportation. Focus: Measuring Techniques
Imad Al-Qadi, Illinois Center for Transportation/Illinois. Focus: Rolling Resistance Effect on Fuel Consumption
Moderator: Yanfeng Ouyang, ICT/Illinois

5:00 - 7:30 P.M.

Reception
Exhibits Open

WEDNESDAY, DECEMBER 10

Location: I Hotel and Conference Center | Heritage Hall

7:30 – 8:00 A.M.

Registration & Exhibits
Continental Breakfast Available

8:00 – 8:10 A.M.

Welcoming Remarks
Imad Al-Qadi, Conference Chair, ICT/Illinois

8:10 – 8:30 A.M.

IDOT Update
Justan Mann, Deputy Directory of Highways, Illinois Department of Transportation

8:30 – 8:45 A.M.

Illinois Tollway Update
Cindy Williams, Deputy Chief of Program Implementation, Illinois Tollway

8:45 – 9:30 A.M.

Towards Zero-Emission Road Construction: The Use of Recycled Materials in Pavement Structures
Sigurður Erlingsson, VTI, KTH, Univ. of Iceland
Moderator: Imad Al-Qadi, ICT/Illinois

9:30 – 10:00 A.M.

Break & Companies Showcase
Exhibits Open

10:00 – 10:30 A.M.

Continuous and Contactless Friction Measurements
Mani Golparvar-Fard, ICT/Illinois
Moderator: John Lynch, IPC

10:30 – 11:00 A.M.

Life-Cycle-Based Pavement Friction Management and Treatment Selection for IDOT and Local Roadways
Yanfeng Ouyang, ICT/Illinois
Moderator: John Lynch, IPC

11:00 – 11:30 A.M.

Balanced Mix Design Implementation and Future of Volumetric/Performance-Based Mix Design
Tom Bennert, Rutgers University
Moderator: Kevin Burke, IAPA

11:30 – NOON

Mix Design Optimization and Artificial Intelligence
Uthman Mohamed Ali, ICT/Illinois
Moderator: Kevin Burke, IAPA

12:00 – 12:15 P.M.

Awards & Companies Showcase
Moderators: Brian Hill, IDOT; **Kevin Burke**, IAPA

12:15 – 1:00 P.M.

LUNCH
Exhibits Open

1:00 – 1:30 P.M.

Prediction of Mix Performance from Modified Binder Properties
Kelly Senger, IDOT
Gafar Sulaiman, ICT/Illinois
Moderator: Jim Trost, Gallagher

1:30 – 2:00 P.M.

Lab and Field Evaluation of Extended Life HMA Sections and Implications on Pavement Design
Ramez Hajj, ICT/Illinois
Moderator: Jess Hawkins, IAAP

2:00 – 2:30 P.M.

Trichloroethylene Status and Future of Binder Extraction/Recovery
Andrew Hanz, MTE Services
Moderator: Jess Hawkins, IAAP

2:30 – 3:00 P.M.

I-CART Expansion
John Senger, IDOT
Moderator: Andrew Stolba, IDOT

3:00 – 3:30 P.M.

IDOT HMA Technical Update
Brian Hill, IDOT
Moderator: Andrew Stolba, IDOT

Flexible Pavement Smoothness: Construction, Performance, Measurements and Rolling Resistance

Bill Pine is the quality control director of asphalt technology for Heritage Construction and Materials, where he provides support and guidance to hot-mix asphalt QC departments. He joined The Heritage Group in 1999 and became QC director in 2012. From 1985 to 1998, Pine worked in IDOT District 5, focusing on hot-mix asphalt design, production and placement.

Flexible Pavement Smoothness: Construction, Performance, Measurements and Rolling Resistance

Hyung Lee is a principal research engineer with Applied Research Associates. He has 20 years of pavement engineering experience and has led studies on pavement surface characteristics, truck-pavement interaction and dynamic loading. Lee was principal investigator for ICT project R27-199, which developed a pavement smoothness specification for IDOT based on the International Roughness Index.

Flexible Pavement Smoothness: Construction, Performance, Measurements and Rolling Resistance

John Senger is Illinois Department of Transportation's bureau chief of research. Before joining IDOT, he worked as a consulting engineer on a range of infrastructure projects. Senger earned a bachelor's degree in civil engineering from Bradley University.

Flexible Pavement Smoothness: Construction, Performance, Measurements and Rolling Resistance

Imad Al-Qadi is the Grainger Distinguished Chair in Engineering at the University of Illinois and the director of the Illinois Center for Transportation. His research has led to the development of innovative technologies, testing protocols, and advanced modeling methods for highway and airfield pavements. He is a registered professional engineer and a Distinguished Member of the American Society of Civil Engineers.

IDOT Update

Justan Mann, deputy director in IDOT's Office of Highways Project Implementation, is a licensed professional and structural engineer with a master's degree in civil engineering from Southern Illinois University Carbondale. He began his career in heavy highway construction and has since served in multiple engineering roles within IDOT.

Illinois Tollway Update

Cindy Williams is deputy chief of program implementation at Illinois Tollway. Williams oversees systemwide projects, infrastructure asset and materials management, and related standards and specifications.

Towards Zero-Emission Road Construction: The Use of Recycled Materials in Pavement Structures

Sigurður Erlingsson is a professor of pavement engineering affiliated with VTI in Sweden, KTH in Stockholm and the University of Iceland. His research focuses on pavement design, performance prediction, instrumentation and climate effects.

Continuous and Contactless Friction Measurements

Mani Golparvar is a professor of civil engineering, computer science, and technology entrepreneurship at the University of Illinois Urbana-Champaign, and the chief strategy officer and co-founder of Reconstruct. At Illinois, he is co-leading a major new initiative to establish the Center for AI in the Built Environment. His research focuses on advancing computer vision and machine learning to improve the construction, management, and ongoing performance of physical assets across the built environment.

Life-Cycle-Based Pavement Friction Management and Treatment Selection for IDOT and Local Roadways

Yanfeng Ouyang is the George Krambles Professor at Illinois and ICT associate director for mobility. He specializes in modeling transportation and logistics systems for safety, efficiency, sustainability and resilience. He is an editor of multiple academic journals and former chair of Transportation Research Board's Transportation Network Modeling Committee.

Balanced Mix Design Implementation and Future of Volumetric/ Performance-Based Mix Design

Tom Bennert is a research professor at Rutgers University and director of the Rutgers Asphalt and Pavement Laboratory. His work centers on asphalt materials characterization, performance-based mix design and pavement rehabilitation. He has authored publications on asphalt technology and advises agencies on implementing balanced mix design and performance testing.

Mix Design Optimization and Artificial Intelligence

Uthman Mohamed Ali is a principal research engineer at ICT. He has experience evaluating the performance of asphalt binder, asphalt mixtures and Portland cement concrete. He leads and supports ICT research, including testing plan development, laboratory and field testing, and protocol optimization.

Prediction of Mix Performance from Modified Binder Properties

Kelly Senger is chief chemist for IDOT's Central Bureau of Materials. She oversees chemical testing and analysis that support transportation infrastructure across Illinois. She previously served as analytical chemistry lab supervisor in the Analytical Chemistry Laboratory at IDOT's Bureau of Materials and Physical Research.

Prediction of Mix Performance from Modified Binder Properties

Gafar Sulaiman is an Illinois doctoral candidate in the Al-Qadi research group. His research focuses on optimizing polymer-softener-modified binder for resilient, economic and sustainable flexible pavement.

Lab and Field Evaluation of Extended Life HMA Sections and Implications on Pavement Design

Ramez Hajj is an Illinois assistant professor and ICT's asphalt materials lead. His research focuses on chemical and physical characterization of asphalt materials and on designing new construction materials for next-generation flexible pavements. He earned his doctoral and master's degrees at the University of Texas at Austin and his bachelor's degree from Virginia Tech, all in civil engineering.

WORKSHOP AND CONFERENCE

Trichloroethylene Status and Future of Binder Extraction/Recovery

Andrew Hanz is director of Mathy Technology and Engineering Services, where he oversees technical support for Mathy Construction operations in aggregates, asphalt mixtures and binders. He manages product evaluation and internal research and works closely with state and local agencies. Hanz earned a doctorate in civil engineering from the University of Wisconsin-Madison.

I-CART Expansion

John Senger is IDOT's bureau chief of research. Before joining IDOT, he worked as a consulting engineer on a range of infrastructure projects. Senger earned a bachelor's degree in civil engineering from Bradley University.

IDOT HMA Technical Update

Brian Hill is the Engineer of HMA and Aggregate at IDOT's Central Bureau of Materials. He joined IDOT in July 2016. He holds civil engineering degrees from Illinois.

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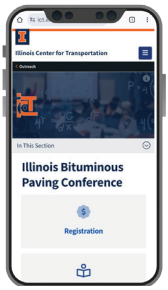

67TH ILLINOIS BITUMINOUS PAVING CONFERENCE

is scheduled for December 8-9, 2026, at the I Hotel and Conference Center in Champaign, IL

MODERATORS

Kevin Burke is the executive vice president of the Illinois Asphalt Pavement Association. Before joining IAPA, he spent 20 years at IDOT, serving in the Materials and Physical Research and Local Roads and Streets bureaus. His background includes extensive work in transportation materials, quality oversight and infrastructure support.

Jess Hawkins is assistant director of the Illinois Association of Aggregate Producers. Hawkins joined IAAP in 2023 and works to advance the association's mission across Illinois' aggregate and related industries.

Brian Hill is the Engineer of HMA and Aggregate at IDOT's Central Bureau of Materials. He joined IDOT in July 2016. He holds civil engineering degrees from Illinois.

John Lynch is vice president of Iroquois Paving Corporation. He has worked as a laborer on the paving crew, in the Quality Control Lab and as an estimator. Lynch serves on the company's Board of Directors, is an IAPA board member and is a former IAPA president.

Yanfeng Ouyang is the George Krambles Professor at Illinois and ICT associate director for mobility. He specializes in modeling transportation and logistics systems for safety, efficiency, sustainability and resilience. He is an editor of multiple academic journals and former chair of Transportation Research Board's Transportation Network Modeling Committee.

Andrew Stolba is chief geologist for IDOT, where he and his team develop and enforce the state's aggregate quality specifications and policies. He previously worked for RiverStone Group and at Bowser-Morner Testing Laboratories. Stolba has chaired multiple aggregate-related research projects with ICT.

Jim Trost is president of Gallagher Asphalt. He serves as the Illinois state advisor and vice chair of the North Central Region Advisory Council for the National Asphalt Pavement Association. He also serves on NAPA's and IAPA's boards of directors and on the IAPA Executive Committee.

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