

PROGRAM

TUESDAY, DECEMBER 6

Location: Chancellor Ballroom and Heritage Hall

2:30 - 5:00 PM **Asphalt Paving Workshop: Best Management Practices for Paver and Roller Use on Illinois Roadways and Runways**
Tim Murphy, Murphy Pavement Technology, Inc, Todd Mansell, Caterpillar, Terry Sullivan, Gallagher Asphalt, and Pat Koester, Howell Paving

5:30 - 7:30 PM **Reception**

WEDNESDAY, DECEMBER 7

Location: Heritage Hall

8:05 - 8:15 AM **Welcoming Remarks**
Imad L. Al-Qadi, Conference Chair, Illinois Center for Transportation/ University of Illinois Urbana-Champaign

8:15 - 8:35 AM **IDOT Update**
Omer Osman, Secretary, Illinois Department of Transportation

8:35 - 8:55 AM **FHWA Update**
David Snyder, Division Administrator, Federal Highway Administration

8:55 - 9:30 AM **Mending Our Ways: South African Experience**
Wynand Steyn, University of Pretoria

9:30 - 10:00 AM **BREAK**

10:00 - 10:30 AM **Illinois Certification and Research Track Capabilities**
John Senger, IDOT

10:30 - 11:00 AM **Preservation: National Trends**
Bouzid Choubane, National Preservation Center

11:00 - 11:30 AM

11:30 - 11:50 AM

11:50 - 1:00 PM

1:00 - 1:30 PM

1:30 - 2:00 PM

2:00 - 2:30 PM

2:30 - 3:00 PM

3:00 - 3:30 PM

3:30 - 4:00 PM

-  Illinois Center for Transportation
-  ILCenterforTransportation
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-  The Drive Forward Podcast
-  bituminous@illinois.edu
-  <https://ict.illinois.edu/outreach/bituminous>

Local Aggregate and Stone-Matrix Asphalt
Javier J. García Mainieri, ICT/UIUC

AWARDS

LUNCH

Cold In-Place Recycling and Cold Central Plant Recycling Performance
Stephen Cross, Oklahoma State University

Performance of Illinois Mixes with Respect to Hamburg Wheel Track Rutting and Flexibility Index Cracking Resistance
José Rivera-Perez, WSP USA

BREAK

Ground-Penetrating Radar Implementation for Thickness, Density, and Moisture Prediction
Imad L. Al-Qadi, ICT/UIUC

IDOT's Pavement Evaluation Process
Greg Heckel, IDOT

IDOT Tech Briefs
Jim Trepanier, IDOT

EXHIBITORS



ILLINOIS BITUMINOUS PAVING CONFERENCE

DEC. 6-7, 2022

I Hotel and Conference Center in Champaign, IL



63RD

This conference offers unique opportunities for transportation professionals to share a broad array of knowledge and perspectives, discuss the latest technical information, review field reports in the area of hot-mix asphalt and explore flexible pavement advancements.

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





SPEAKERS



Asphalt Paving Workshop: Best Management Practices for Paver and Roller Use on Illinois Roadways and Runways

Tim Murphy is the President of Murphy Pavement Technology, Inc. Before founding Murphy Pavement Technology, he worked for Illinois Department of Transportation, the Asphalt Institute and Chicago Testing Laboratory. Murphy teaches numerous industry qualification/certification courses. He is also a board-certified member of the National Academy of Forensic Engineers.



Asphalt Paving Workshop: Best Management Practices for Paver and Roller Use on Illinois Roadways and Runways

Todd Mansell is a civil engineer who delivers paving and compaction training and consulting for Caterpillar customers worldwide. He has worked over 30 years in the asphalt paving industry and is always trying new and innovative paving equipment, technologies and paving practices. Mansell is an active member in several national and international paving industry associations, committees and task groups.



Asphalt Paving Workshop: Best Management Practices for Paver and Roller Use on Illinois Roadways and Runways

Terry Sullivan is the Senior Project Superintendent at Gallagher Asphalt Corporation. He is responsible for the development, mentoring and supervision of the company's Project Superintendents. Sullivan's current focus is increasing safety measures from the pre-construction stage to final completion. He recently completed his 30th season in the asphalt industry.



Asphalt Paving Workshop: Best Management Practices for Paver and Roller Use on Illinois Roadways and Runways

Pat Koester is the Vice President of Production for Howell Paving, where he oversees the hot-mix asphalt plants and quality control departments. Prior to that,

he spent 10 years working in construction and materials for IDOT District 7. He has spent 40 years in the construction industry and received an associate degree from Lake Land College in civil engineering technology.



IDOT Update

Omer Osman is the Secretary of IDOT. His role reflects three decades of engineering and management experience.

His vast experience in transportation includes advancing complex projects and assessing resources to inform funding and programmatic needs to create a multimodal system that supports economic development and travel for Illinois residents. The Sudan native studied civil engineering at Southern University and A & M College before earning a master's at Bradley University.



FHWA Update

David Snyder is Federal Highway Administration's Illinois Division Administrator. He leads a staff of transportation professionals

responsible for delivering Illinois' \$2.25 billion federal-aid highway program. Snyder previously served as Illinois' Deputy Division Administrator and held a variety of positions in the Ohio and North Carolina Divisions. Dave holds a bachelor's in civil engineering from Penn State University and is a licensed Professional Engineer in North Carolina.



Mending Our Ways: South African Experience

Wynand Steyn is a professor, head of the Department of Civil Engineering, and Dean for the Faculty of Engineering, Built Environment and Information Technology at the University of Pretoria. He also serves as an adjunct professor at Chang'an University and Shandong Jianzhu University. He earned his undergraduate and graduate degrees at the University of Pretoria. He is a professionally registered pavement engineer with research interests in vehicle-pavement interaction, accelerated pavement testing, pavement engineering and materials, and Civiltronics and instrumentation.



Illinois Certification and Research Track Capabilities

John Senger is an Engineer of Pavement Technology at IDOT. Before joining the

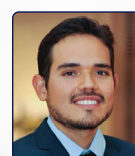
transportation agency's ranks, Senger was a consulting engineer, working on a wide range of projects. He earned his bachelor's in civil engineering from Bradley University.



Preservation: National Trends

Bouzid Choubane is Director of the National Center of Pavement Preservation at Michigan State University.

Prior to being appointed Director of NCPP, he worked at the Florida Department of Transportation for more than 25 years. He received his bachelor's from Algeria, master's from the University of Pennsylvania, and doctorate from the University of Florida — all in civil engineering.



Performance of Illinois Mixes with Respect to Hamburg Wheel Track Rutting and Flexibility Index Cracking Resistance

José Rivera-Perez is a civil engineer at WSP USA, where he works with a general engineering consultant contract with the Illinois Tollway. Rivera-Perez earned his bachelor's from the University of Puerto Rico and his master's and doctorate from the University of Illinois Urbana-Champaign — all in civil engineering.



CIR & CCPR Performance

Stephen Cross serves as Technical Director for the Asphalt Recycling & Reclaiming Association. He is a point of contact for technical information on each of ARRA's core disciplines: cold planing, hot in-place recycling, cold recycling and full-depth reclamation. He is a co-author of ARRA's *Basic Asphalt Recycling Manual* and an Emeritus Professor at Oklahoma State University.



Local Aggregate and SMA

Javier García Mainieri is a UIUC doctoral candidate working with Dr. Al-Qadi. His research

focuses on optimizing stone-matrix asphalt by using local aggregates. He has contributed to IDOT's softener-modified asphalt testing protocols. Before joining UIUC, Javier was an infrastructure inspection engineer in Costa Rica.



GPR Implementation for Thickness, Density and Moisture Prediction

Imad Al-Qadi is the Grainger Distinguished

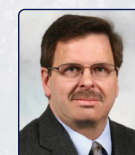
Chair in Engineering at UIUC. He also serves as Director of UIUC's Illinois Center for Transportation. Al-Qadi's research efforts have developed new tests, testing specifications, and advanced modeling and simulation of pavement loading and crack development. He is a registered Professional Engineer and is a Distinguished Member of the American Society of Civil Engineers.



IDOT's Pavement Evaluation Process

Greg Heckel is IDOT's District 6 Materials Engineer, a position he has held since 2010. He

received a bachelor's degree in civil engineering from UIUC in 1993 and joined IDOT's Bureau of Materials and Physical Research in 1994.



IDOT Tech Briefs

Jim Trepanier is the Engineer of HMA, Aggregate and Chemical Tests at IDOT's Central Bureau of Materials. He

is a licensed Professional Engineer and holds a bachelor's in civil engineering from Michigan Technological University.

The 64th Illinois Bituminous Paving Conference

is scheduled for December 5-6th, 2023, at the I Hotel and Conference Center in Champaign, IL

MODERATORS



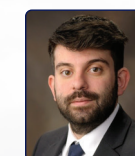
Kevin Burke is the Executive Vice President of the Illinois Asphalt Pavement Association. He is also a registered Professional Engineer in Illinois. Prior to joining IAPA, Burke spent

20 years serving Illinois Department of Transportation in the Materials and Physical Research and Local Roads and Streets Bureaus. He earned his bachelor's from Washington University in St. Louis.



Dan Gallagher is the President at Gallagher Asphalt Corporation. In 1987, he began his career here as plant supervisor. Gallagher is actively involved in the

industry, serving on the IAPA Board of Directors and previously holding the post of chairperson at the National Asphalt Pavement Association. He earned his bachelor's in mechanical engineering technology from Purdue University.



Ramez Hajj is an Assistant Professor at UIUC's Department of Civil and Environmental Engineering. Hajj's research focuses

on chemical and physical characterization of asphalt materials and designing new construction materials for the next generation of flexible pavements. He earned his doctoral and master's degrees at the University of Texas at Austin, and he obtained his bachelor's from Virginia Tech — all in civil engineering.



John Lynch is the Vice President of Iroquois Paving Corporation in Watseka, Illinois. For the last 35 years, he's held various roles here, including working on the

paving crew and in the Quality Control Lab as well as qualifying estimation. He also serves on IAPA's Board of Directors and previously held the post of president.



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 and Physical Research. Morse received her bachelor's in chemistry from Illinois Wesleyan University.



LaDonna Rowden serves as IDOT's Bureau Chief of Research and is a licensed Professional Engineer in Illinois. Here she has spent 30 years in various

research positions working with pavement analysis, performance monitoring and policy development. Rowden earned a bachelor's in civil engineering from the South Dakota School of Mines and Technology



Cindy Williams is the Deputy Chief of Program Implementation of Illinois Tollway. She is responsible for system integrity and strives to improve the overall quality of projects delivered under

the Tollway's 15-year, \$14B Capital Program. She earned a bachelor's in construction administration from the University of Wisconsin-Madison and has over 25 years of experience in the heavy highway construction industry.

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