

**2018 TRC Transportation Engineering Conference**

**Tuesday, May 15**

**REGISTRATION OPEN (7:00AM - 5:00PM)**

	<b>Room 203-204</b>	<b>Hall B</b>
<b>8:00 AM -12:00 PM</b>	<b>Pre-Cast Concrete Structure Workshop</b>	<b>Pavement Smoothness Workshop</b>

**Lunch and Director's Welcome**

**(12:00PM - 1:30PM)**

**Hall A**

**General Session - Hall B**

<b>1:30 PM - 1:45 PM</b>	<b>FHWA Update</b> Peter Jilek, P.E., FHWA Arkansas Division
<b>1:45 PM - 2:15 PM</b>	<b>ARDOT Strategic Plan</b> Jessie Jones, P.E., ARDOT
<b>2:15 PM - 3:00 PM</b>	<b>Colorado DOTs RoadX Program</b> Peter Kozinski, P.E., CDOT

**BREAK (3:00PM - 3:30PM)**

**General Session - Hall B**

<b>3:30 PM - 4:10 PM</b>	<b>Life Cycle Planning Aspects of Developing a TAMP</b> Katie Zimmerman, P.E., Applied Pavement Technology
<b>4:10 PM - 4:30 PM</b>	<b>National Concrete Pavement Technology Center Overview</b> Dr. Peter Taylor, P.E., Director CPTC
<b>4:30 PM - 5:00 PM</b>	<b>Why Access Management?</b> Philip Demosthenes

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## General Session - Hall B

8:00 AM - 8:30 AM	Memphis 4: I-240 Bridge Replacement (A CM/GC Project) - Dr. Ashraf S. Elsayed, P.E., D.GE, ASU
8:30 AM - 9:10 AM	TSMO I-85 Bridge Collapse - John L. Hibbard, P.E., Georgia DOT
9:10 AM - 9:30 AM	TSMO/TIM in Arkansas - Andy Brewer, P.E., ARDOT

## BREAK (9:30AM - 10:00AM)

Research Breakout Room 205		Planning for Operations Breakout Hall B	
10:00 AM - 10:30 AM	TRC1805: Access Management Implementation - Dr. J.L. Gattis, P.E., UAF	10:00 AM - 10:40 AM	I-75 Express Lane Case Study - John L. Hibbard, P.E., Georgia DOT
10:30 AM - 11:00 AM	TRC1606: Estimating Bridge Camber and Deflection - Dr. Micah Hale, P.E., UAF		
11:00 AM - 11:20 AM	TRC1703: School Bus Stop Safety - Bentley Reynolds, ARDOT	10:40 AM - 11:20 AM	MoDOT TMC Operations - Marc Lewis, MoDOT
11:20 AM - 11:40 AM	TRC1804: Annual Average Daily Traffic Estimation for Local Roads - Tymli Frierson and Tyler Post, ARDOT	11:20 AM - 12:00 PM	Integrated Corridor Management - Jennifer Russell, CSEP, Garver
11:40 AM - 12:00 PM	TRC1503: Safety Performance Functions for Arkansas - Dr. J.L. Gattis, P.E., UAF		

## Lunch and Exhibitor Presentations (12:00PM - 1:30PM)

Research Breakout Room 205		Data Visualization Breakout Room 201-202	
1:30 PM - 1:50PM	TRC1307: Investigating the Use of GPS Data Collection for Maintenance Operations - Chris Dailey, P.E., ARDOT	1:30 PM - 2:00PM	Leveraging Open-Source Tools for Freight Planning - Dr. Sarah Hernandez, UAF
1:50 PM - 2:10 PM	Study of Mumble Strips - Bentley Reynolds, ARDOT	2:00 PM - 2:30 PM	Pedestrian/Bicycle Safety Study - Hans Haustein, Metroplan
2:10 PM - 2:30 PM	TRC1501: Performance of Asphalts Modified with Polyphosphoric Acid (PPA) - Dr. Zahid Hossain, P.E., ASU	2:30 PM - 3:00 PM	Visualization and Transportation - Linda DeMasi and Robert Reed, ARDOT
2:30 PM - 3:00 PM	TRC1401: Development of a Field Exposure Site for Predicting and Mitigating ASR Damage - Dr. Micah Hale, P.E., UAF		

## BREAK (3:00PM - 3:30PM)

Research Breakout Room 205		Data Management Breakout Room 201-202	
3:30 PM - 4:00 PM	TRC1203: Data Preparation for Implementing DAWRin-ME - Dr. Kevin Hall, P.E., UAF	3:30 PM - 4:00 PM	Enterprise Data Business Plan - Dr. Richard Margiotta, Cambridge Systematics
4:00 PM - 4:30 PM	TRC1802: Performance Based Asphalt Mix Design - Dr. Kevin Hall, P.E., UAF	4:00 PM - 4:20 PM	TOSTADA - Data Integration Framework - Dr. Tim Lomax, TTI
4:30 PM - 5:00 PM	TRC1602: Examining the Required Cement Content - Dr. Micah Hale, P.E., UAF	4:20 PM - 5:00 PM	ARNOLD Data Conflation Status - Sharon Hawkins, ARDOT

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General Session: Moderator David Hall

Hall B

8:00 AM - 8:30 AM	Memphis 4: I-240 Bridge Replacement (A CM/GC Project) - Dr. Ashraf S. Elsayed, P.E., D.GE, ASU
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### BREAK (9:30AM - 10:00AM)

Outside the Norm Breakout Room 203-204		Pavement Preservation Breakout Room 201-202	
10:00 AM - 10:30 AM	Hot Springs GIS - Mary Donaldson, City of Hot Springs	10:00 AM - 11:00 AM	Pavement Management and Preservation with Local Agencies - Darryl Gardner, Ergon Asphalt and Emulsions, Inc., Michael Morgan, Greenberg Farrow, and Dr. Stacy Williams, P.E., CTPP
10:30 AM - 11:00 AM	Driving E-DOT "Constructing Faster Lanes with Enhanced Security on ARDOT's Digital Super-Highways" - Charles Brown, ARDOT	11:00 AM - 11:30 AM	Concrete Pavement Preservation - Dr. Peter Taylor, P.E., Director CPTC
11:00 AM - 11:30 AM	The Unique Relationship between ARDOT and AHP - Chief Jay Thompson, AHP	11:30 AM - 12:00 PM	Hot in Place Recycling - Chris Thompson, Dustrol, Inc.
11:30 AM - 12:00 PM	Graphic Design 101 – Why It Matters in Government - Paula Cigainero, ARDOT		

### Lunch and Exhibitor Presentations (12:00PM - 1:30PM)

Outside the Norm Breakout Room 203-204		Pavement and Materials Breakout Hall B	
1:30 PM - 2:00PM	TRC1605: Evaluating the Usage of Culverts and Bridges by Wildlife in Arkansas - Susan Staffeld, ARDOT	1:30 PM - 2:00PM	50-Year Concrete Pavements - Dr. Jamshid Armaghani, P.E. Global Sustainable Solutions
2:00 PM - 2:30 PM	Collaborative Implementation of Integrated Roadside Vegetation Management Practices: Maintenance Mows for Monarchs! - Kayti Ewing, ARDOT	2:00 PM - 2:30 PM	QA Program for Engineered Mixes - Dr. Peter Taylor, P.E., Director CPTC
2:30 PM - 3:00 PM	Performance Based Assessments at ARDOT - Crystal Woods, ARDOT	2:30 PM - 3:00 PM	Ames Real Time Profiler Measuring the Smoothness of Concrete Pavement - Jon Klatt, Ames Engineering

### BREAK (3:00PM - 3:30PM)

Winter Maintenance Breakout  
Hall B

3:30 PM - 4:30 PM	Direct Liquids: The Good, the Bad and the Ugly - Dale Calcamuggio, Ohio DOT
4:30 PM - 5:00 PM	When the Flaming Duck in Front of You is a Snowflake - Richard Nelson, P.E., AASHTO

# 2018 TRC Transportation Engineering Conference

Thursday, May 17

REGISTRATION OPEN (7:00AM - 10:00AM)

Research Breakout Room 203-204		Planning for Winter Activities Breakout Hall B	
8:00 AM - 8:20 AM	Profiler Verification Jobs - Tymli Frierson, ARDOT	8:00 AM - 8:30 AM	ARDOT TMC - Joe Hawkins, P.E., ARDOT
8:20 AM - 8:50 AM	TRC1702: Truck Activity Analysis Using GPS Data - Dr. Sarah Hernandez, UAF		
8:50 AM - 9:10 AM	TRC1801: Evaluation of WIM Auto- Calibration Practices and Parameters - Dr. Sarah Hernandez, UAF	8:30 AM - 9:00 AM	National Weather Service Coordination - Dennis Cavanaugh, Warning Coordination Meteorologist NWS
9:10 AM - 9:30 AM	TRC1502: Evaluating the Capacity of Deep Soils Foundations - Dr. Rick Coffman, P.E., UAF	9:00 AM - 9:30 AM	Performance Management Data Generated Through Traveler Information - Danny Straessle, ARDOT
BREAK (9:30AM - 10:00AM)			
Research Breakout Room 203-204		Future of Travels Breakout Hall B	
10:00 AM - 10:30 AM	TRC1603: Deep Shear Wave Velocity Profiling in North-Eastern Arkansas - Dr. Clint Wood, P.E., UAF	10:00 AM - 10:30 AM	Implication of CAV in Planning - Kip Strauss, HNTB Kansas City Metro
10:30 AM - 11:00 AM	TRC1803: Mapping Subsurface Conditions for Transportation Applications - Dr. Clint Wood, P.E., UAF	10:30 AM - 11:00 AM	Travel Demand Forecasting - Casey Covington, Metroplan
11:00 AM - 11:30 AM	TRC1701: Bridge Load Posting Based on Actual Arkansas Truck Traffic - Dr. Ernie Heymsfield, P.E., UAF	11:00 AM - 11:30 AM	Bus Rapid Transit Study - Joel Gardner, Ozark Regional Transit
11:30 AM - 12:00 PM	TRC1402 and TRC1403: An Implementation Update - Bryan Signorelli, P.E., ARDOT	11:30 AM - 12:00 PM	TRC1608: Locating TransLoad Facilities to Ease Highway Congestion and Safeguard the Environment - Dr. Andrew Braham, P.E., UAF