

“DAWG” FORUM ON PAVEMENT PERFORMANCE DATA analysis TO BE CONDUCTED IN WASHINGTON, DC, ON JANUARY 10, 2015 AT TRB’S 94th ANNUAL MEETING

The Transportation Research Board's Data Analysis Working Group --- “the DAWG” --- will conduct a forum on pavement performance data analysis in Washington, DC, on Saturday, January 10, 2015, immediately prior to the opening of TRB’s 94th Annual Meeting. All attendees of the Annual Meeting who are interested in the analysis of pavement performance data are welcome to attend and participate.

The agenda of this forum consists of 11 presentations, each with a follow-up question/answer session, plus two presentations and discussions of winning papers in the latest ASCE-LTPP Data Analysis Contest, as shown below.

The DAWG conducts these forums to foster the discussion of methods of analysis of pavement performance data. Presentations address the technical interests of professionals who work with such data for the purposes of pavement research, design, maintenance, and rehabilitation. Attendees are those interested in collecting, processing, and analyzing such data, and those seeking insights into pavement behavior. Presentations focus on techniques for extracting and analyzing data, and early results of recent applications of these techniques.

Unique features of DAWG presentations are that the work described must be ongoing and incomplete, and that presenters must submit, in addition to brief abstracts, questions about their techniques or results for the consideration of the audience. The purpose of these questions is to foster open exchanges of ideas on how the work described could be improved as further progress is made.

DAWG forums are held twice each year --- in January, immediately preceding the TRB Annual Meeting in Washington, DC, and approximately at the midyear in conjunction with a major conference in another country.

The DAWG is a standing committee of TRB, and has an appointed steering committee to guide the planning of future forums. For additional information, please contact Dr. A. Robert Raab at rraab@nas.edu.

PAVEMENT PERFORMANCE DATA ANALYSIS FORUM Sponsored by the TRB Data Analysis Working Group Brian Ferne, Infrastructure and Environment Division, TRL Limited, UK A. Robert Raab, TRB Senior Program Officer January 10, 2015 Room 207B, Walter E. Washington Convention Center, 801 Mt. Vernon Place NW, Washington, D.C.	
0900	Call to Order
0900-0920	Chairman’s Welcome and Staff Report
0920-0940	TOP DOWN CRACKING IN THE LTPP DATABASE Peter N. Schmalzer and Newton C. Jackson, Senior Engineers, NCE, Reno, Nevada, USA
0940-0950	Presenter’s Questions and General Discussion
0950-1010	IMPLEMENTING TECHNOLOGICAL ADVANCES IN PAVEMENT CONDITION SURVEYS WHILE RETAINING EXISTING PMS DATA: CONNECTICUT DOT CASE STUDY, Edgardo D. Block, Transportation Supervising Engineer, Connecticut Department of Transportation, Newington, Connecticut, USA
1010-1020	Presenter’s Questions and General Discussion
1020-1040	TANGIBLE PERFORMANCE MEASURES AND QUANTIFYING REMAINING LIFE OF A PAVEMENT Bryan Pidwerbesky, General Manager-Technical, Fulton Hogan Ltd, Harewood, Christchurch, New Zealand
1040-1050	Presenter’s Questions and General Discussion

1050-1105	Morning Break
1105-1125	DAILY CHANGES IN ROUGHNESS ON LTPP SPS-2 TEST SECTIONS Larry Scofield, Director of Engineering and Research, International Grooving and Grinding Association, Mesa, Arizona, USA
1125-1135	Presenter's Questions and General Discussion
1135-1155	BIG DATA AND 3D INFORMATION, AND THEIR IMPACTS ON PAVEMENT ENGINEERING Kelvin C.P. Wang, Professor, School of Civil & Environmental Engineering, Oklahoma State University, Stillwater, Oklahoma, USA
1155-1205	Presenter's Questions and General Discussion
1205-1225	DATABASE APPLICATION OF NEW RIGID PAVEMENT TEST ITEM AT THE NATIONAL AIRPORT PAVEMENT TEST FACILITY Qiang Wang, SRA International, Linwood, New Jersey, USA and David R. Brill, Federal Aviation Administration, Atlantic City, New Jersey, USA
1225-1235	Presenter's Questions and General Discussion
1235-1335	Mid-Day Break
1335-1355	ASCE-LTPP Contest Winner's Presentation
1355-1405	General Discussion
1405-1425	ASCE-LTPP Contest Winner's Presentation
1425-1435	General Discussion
1435-1455	ANALYSIS OF THE EFFECTS OF SUB-LAYERS AND ROADBED MATERIALS ON PAVEMENT CONDITIONS AND DISTRESSES Michael D. Prohaska, MSc. Graduate Student, Michigan State University, East Lansing, Michigan, USA
1455-1505	Presenter's Questions and General Discussion
1505-1520	Afternoon Break
1520-1540	QUALITY CONTROL DATA COLLECTION DURING CONSTRUCTION OF ASPHALT CONCRETE FOR VERY THIN SURFACING LAYER AND EVALUATION OF RESULTS Athanasios Nikolaidis, Prof. of Civil Engineering Department, Aristotle University of Thessaloniki, Thessaloniki, Greece
1540-1550	Presenter's Questions and General Discussion
1550-1610	REFERENCE DEVICE AND PROTOCOL FOR PAVEMENT DISTRESS INSPECTION SYSTEM VERIFICATION Yaxiong Huang, Pavement Equipment System Coordinator, and Magdy Mikhail, Pavements Branch Manager, Texas DOT, Austin, Texas, USA
1610-1620	Presenter's Questions and General Discussion
1620-1640	LONG-TERM FIELD PERFORMANCE OF WARM MIX ASPHALT PAVEMENTS Haifang Wen, Associate Professor, Washington State University, Pullman, Washington, USA
1640-1650	Presenter's Questions and General Discussion
1650-1710	AUTOMATED DETECTION OF SEALED CRACKS USING 2D AND 3D ROAD SURFACE DATA John Laurent, Vice President and Chief Technical Officer, Pavemetrics Systems Inc., Québec (Québec), Canada
1710-1720	Presenters' Questions and General Discussion
1720-1730	Evening Break
1730-1800	Steering Committee Meeting
1800	Adjourn