



29th RPUG Conference

Marriott Denver West, Golden, CO

November 14 to 17, 2017

TUESDAY, NOVEMBER 14	
08:00 AM – 05:00 PM	TPF-5(354) Profile Pooled Fund Meeting
06:00 PM – 08:00 PM	<i>RPUG Ice Breaker Reception</i>
WEDNESDAY, NOVEMBER 15	
07:00 AM – 08:00 AM	<i>Breakfast/Vendor Exhibits</i>
08:00 AM – 09:30 AM	Session 1 – Welcome, Keynotes and Vendors Introduction
09:30 AM - 10:00 AM	<i>Break/Vendor Exhibits</i>
10:00 AM – 12:00 PM	Session 2A – FHWA Performance Measure Workshop
12:00 PM - 01:00 PM	<i>Lunch/Vendor Exhibits</i>
01:00 PM – 03:00 PM	Session 2B – FHWA Performance Measure Workshop
03:00 PM – 03:30 PM	<i>Break/Vendor Exhibits</i>
03:30 PM – 05:20 PM	Session 3 – Open Topics
05:20 PM – 06:00 PM	RPUG Open Business Meeting
06:30 PM – 09:00 PM	<i>Dinner (Adams Mystery Playhouse)</i>
THURSDAY, NOVEMBER 16	
07:00 AM – 08:00 AM	<i>Breakfast/Vendor Exhibits</i>
08:00 AM – 09:30 AM	Session 4 – Profile Measurement
09:30 AM - 10:00 AM	<i>Break/Vendor Exhibits</i>
10:00 AM - 12:00 PM	Session 5 – Texture and Friction
12:00 PM - 01:00 PM	<i>Lunch/Vendor Exhibits</i>
01:00 PM – 02:30 PM	Session 6 – Distress Survey
02:30 PM - 03:00 PM	<i>Break/Vendor Exhibits</i>
03:00 PM - 05:30 PM	Session 7 – Open Topics & Open Panel Discussion
05:30 PM – 05:45 PM	Closing of Technical Sessions
FRIDAY, NOVEMBER 17	
08:00 AM – 05:00 PM	TPF-5(299) Distresses Pooled Fund Meeting
08:00 AM – 12:00 PM	Essential ProVAL Workshop
01:00 PM – 05:00 PM	Advanced ProVAL Workshop



Tuesday, November 14

08:00 AM – 05:00 PM
TPF 05-354 Pooled Fund Meeting

Moderator: Dave Huft, SDDOT

TPF-5(354) Improving the Quality of Pavement Profiler
Measurement – Pooled Fund Meeting

This meeting is open to its members and invited
participants.

06:00 PM–8:00 PM
RPUG Ice Breaker Reception

All RPUG attendees are welcome!



Wednesday, November 15

08:00 AM – 09:30 AM Session 1 – Welcome, Keynotes, and Vendors Introduction	Moderator: Li Ningyuan, MTO RPUG President
Welcome from CDOT	Debra Perkins-Smith, Director, Division of Transportation Development
Keynotes: CDOT's ROADX Program - Accelerating Technology on Colorado Highways	Peter Kozinski, CDOT
Pooled Fund Updates	Dave Huft, SDDOT Andy Mergenmeier, FHWA Kevin McGhee, VDOT
Vendors' Introduction	All vendors' representatives
10:00 AM – 12:00 PM Session 2a – FHWA Performance Measure Workshop	Moderator: Bob Orthmeyer, FHWA
The Regulation (23 CFR 490)	Thomas Van, FHWA
PM2 FHWA SOP Overview	Robert Rozycki, FHWA
Data Submission	Max Grogg, FHWA
Data Quality Management Program	Bob Orthmeyer, FHWA
Questions and Answers	FHWA Panel
01:00 PM – 03:00 PM Session 2b – FHWA Workshop Continued	Moderator: Andy Mergenmeier, FHWA
Interstate Baseline	Pedro Serigos, AMEC
Data Collection for PM2	Mike Richardson, Mandli
FHWA Support/Guidance/Training	Bob Orthmeyer, FHWA
Panel Discussion	All FHWA workshop speakers
03:30 PM – 05:20 PM Session 3 – Open Topics	Moderator: Richard Wix, ARRB
Relativity of Pavement Condition Rating Methods and Needs for International Standardization	Li Ningyuan, MTO
Evaluation of Changes in IRI along Center of Lane to Assess the Effect of Environmental Factors on IRI	Rohan W. Perera, SME
Guidance for Predicting and Mitigating Hydroplaning	Gerardo Flintsch, Virginia Tech
New Dynatest Rapid Pavement Tester	Salil Gokhale, Dynatest
05:20 PM – 06:00 PM RPUG Open Business Meeting	Moderator: Li Ningyuan, MTO , RPUG President



Thursday, November 16

08:00 AM – 09:30 AM	
Session 4 – Profile Measurement	
Moderator: Eric Prieve, CDOT	
Urban Profiling: Measurements and Indexes	Steve Karamihas, UMTRI
Transverse Profiles and Its Applications in Rutting, Crowning & Cross Slope Measurements	John Ferris, Virginia Tech
FDOT Profiler Certification	Joseph Yaede, FDOT
Real-time Smoothness Technology	Dave Merritt, Transtec Group
10:00 AM - 12:00 PM	
Session 5 – Texture and Friction	
Moderator: Brian Schleppe, ODOT	
Pavement Macrottexture: State of the art and Practice	Vincent Bongioanni, Virginia Tech
3D Texture Measurement	Richard Wix, ARRB
Exploring Pavement Texture and Surface Friction Using Soft Computing Techniques	Joshua Q. Li, OSU
Pavement Friction Management	Edgar de León Izeppi, Virginia
01:00 PM – 02:30 PM	
Session 6 – Distress Survey	
Moderator: John Andrews, MD SHA	
No Fogline, No Problem	Scott Mathison, Pathway
Deep Learning System for Automated Cracking Survey & Its Performance with Pixel Accuracy	Kelvin Wang, OSU
Why Didn't the Pavement Distress Quality Assurance Plan Work	Douglas Frith, QES
03:00 PM - 05:30 PM	
Session 7 – Open Topics & Panel Discussion	
Moderator: Steve Karamihas, UMTRI	
Relationship Between Repair Situation and Roughness Conditions	Koichi YAGI, Bump Recorder
Pavement Performance Measures: Reporting Versus Decision Making	Nima Kargah-Ostadi, Fugro
The Latest Development of TSD Deflection Technologies	Leif Grønsvov, Greenwood
Panel Discussion: Profile Data Collection QA	Panel members (Dulce Feldman, Caltrans, etc.)
05:30 PM - 05:45 PM	
Closing of Technical Sessions	
Moderator: Li Ningyuan, MTO, RPUG President	
Conclusions of the RPUG 2017 program See you in South Dakota in 2018!	Dave Huft, SDDOT



Friday, November 17

08:00 AM – 05:00 PM TPF-5(299) Pooled Fund Meeting	Moderator: Andy Mergenmeier, FWHA
Improving the Quality of Pavement Surface Distress and Transverse Profile Data Collection and Analysis – Pooled Fund Meeting This meeting is for its members and invited participants.	
08:00 AM – 12:00 PM Essential ProVAL Workshop	Moderator: Steve Karamihas, UMTRI George Chang, Transtec
Learning the essential functions of ProVAL for practical smoothness analysis and applications	
01:00 PM – 05:00 PM Advanced ProVAL Workshop	Moderator: Steve Karamihas, UMTRI George Chang, Transtec
Learning the advanced functions with ProVAL for in-depth understanding of smoothness theory and applications	