



28th RPUG Conference

San Diego Marriott Mission Valley, San Diego, CA

November 1 to 4, 2016

TUESDAY, NOVEMBER 1	
08:00 AM – 05:00 PM	TPF-5(063) Profile Pooled Fund Meeting
06:00 PM – 08:00 PM	<i>RPUG Ice Breaker Reception</i>
WEDNESDAY, NOVEMBER 2	
07:00 AM – 08:00 AM	<i>Breakfast/Vendor Exhibits</i>
08:00 AM – 09:30 AM	Session 1 – Smoothness Management/Vendors Introduction
09:30 AM - 10:00 AM	<i>Break/Vendor Exhibits</i>
10:00 AM – 12:00 PM	Session 2A – Profiler Study I
12:00 PM - 01:00 PM	<i>Lunch/Vendor Exhibits</i>
01:00 PM – 02:30 PM	Session 2B – Profiler Study II
02:30 PM – 03:00 PM	<i>Break/Vendor Exhibits</i>
03:00 PM – 05:00 PM	Session 3 – Friction and Tire's Perspective
05:00 PM – 06:00 PM	RPUG Open Business Meeting
06:30 PM – 09:00 PM	<i>Dinner (location: TBA)</i>
THURSDAY, NOVEMBER 3	
07:00 AM – 08:00 AM	<i>Breakfast/Vendor Exhibits</i>
08:00 AM – 09:30 AM	Session 4A – 3D Survey I
09:30 AM - 10:00 AM	<i>Break/Vendor Exhibits</i>
10:00 AM - 12:00 PM	Session 4B – 3D Survey II
12:00 PM - 01:00 PM	<i>Lunch/Vendor Exhibits</i>
01:00 PM – 02:30 PM	Session 5 – Smoothness Analysis
02:30 PM - 03:00 PM	<i>Break</i>
03:00 PM - 05:00 PM	Session 6 – Smoothness Spec and Open Panel Discussion
05:00 PM – 05:30 PM	Closing of Technical Sessions
FRIDAY, NOVEMBER 4	
08:00 AM – 05:00 PM	TPF-5(299) Distresses Pooled Fund Meeting



Tuesday, November 1

08:00 AM – 05:00 PM
TPF 05-063 Pooled Fund Meeting

Moderator: Bob Orthmeyer, FHWA

TPF-5(063) 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

All RPUG attendees are welcome!



Wednesday, November 2

08:00 AM – 09:30 AM Session 1 – Welcome and Smoothness Management	Moderators: John Andrews, MD SHA, RPUG President
Welcome from Caltrans	Laurie Berman, Director, Caltrans D11
Keynotes: 28 Years – Pavement Performance into The Future	Richard Wix, ARRB
HPMS IRI and Pavement Distress Data Reporting	Robert Rozycki, FHWA
FHWA PSC Program and TPF-5(063) Pooled Fund Update	Bob Orthmeyer, FHWA
TPF-5(299) Pooled Fund Update	Andy Mergenmeier, FHWA
Vendors' Introduction	All vendors' representatives
10:00 AM – 12:00 PM Session 2A – Profiler Study I	Moderators: Ron Kennedy, CenTiRe
Leveraging Highway Network Road Profiles for Maintenance Directed Ride Quality Improvements	Dan Radanovich, Ohio DOT
Profiler Operation at Low Speed and with Braking - Results from the FHWA Low-speed Profiler	Steve Karamihas, UMTRI
Real-Time Smoothness Technology for Improving Concrete Pavement Smoothness	David Merritt, Robert Rasmussen, Transtec Group; Gary Fick, Trinity; Stephen Cooper, FHWA
Profiler Correlation for New Airport Pavement Smoothness	Injun Song, SRA and Albert Larkin, FAA
01:00 PM – 02:30 PM Session 2B – Profiler Study II	Moderator: James Watkins, MSDOT
Application of Curl and Warp Analysis to LTPP Profiles	Steve Karamihas, UMTRI
Preliminary report of road roughness inspection after the KUMAMOTO earthquake 2016	Koichi Yagi, BumpRecorder
Comparison of A Smart Phone-based Roughness Meter and Inertial Profilers	Richard Wix, ARRB
03:00 PM – 05:00 PM Session 3 – Friction and Tire's Perspective	Moderator: Larry Scofield, IGGA
Non-Lock Skid Test-Report on Development Progress	John Andrews, MD SHA
Pavement surface safety analysis with data from different devices	Joshua Q. Li, Guangwei Yang, Kelvin C. P. Wang, OSU
PSC Consortium - Phase II Updates	Kevin McGhee, VDOT
Performance assessment from the tire's point of view	Ron Kennedy, Center for Tire Research (CenTiRe), Virginia Tech
05:00 PM – 06:00 PM RPUG Open Business Meeting	Moderator: John Andrews, RPUG President



Thursday, November 3

08:00 AM – 09:30 AM Session 4A – 3D Survey I	Moderator: Scott Mathison, PathWay
Using high resolution 3D sensors for high speed network level full road lane texture measurements.	John Laurent, Pavemetrics, Canada
Deep-Learning Potential for Fully Automated Distress Survey in 3D	Kelvin C. P. Wang, Allen Zhang, Cheng Chen, and Joshua Q. Li ,OSU
Development of Automated Pavement Condition Assessments for Ontario Provincial Pavement Network Management	Li Ningyuan, MTO, Canada
10:00 AM - 12:00 PM Session 4B – 3D Survey II	Moderator: Li Ningyuan, MTO
3D Sensor based Longitudinal Profiling: Issues and Status	Kelvin C. P. Wang, Allen Zhang, Yang Liu, Cheng Chen, and Joshua Q. Li, OSU
Certifying a 3D Pavement System as an Inertial Profiler	Michael Richardson, Mandli
Evaluation of an Automated Pavement Distress Identification and Quantification Application	Jerome Daleiden, Nima Kargah-Ostadi , Fugro Roadware; and Abdenour Nazef, Florida DOT
Multi-Year Cracking Analysis: A Spatial Approach	Scott Mathison, Pathway
01:00 PM – 02:30 PM Session 5 – Smoothness Analysis	Moderator: Kevin McGhee, VDOT
Development of a Cost Oriented Grinding Strategy and Prediction of Post Grind Roughness Index using Improved Grinder Models	Sriram Srinivasan, and John B. Ferris, Virginia Tech
Profile Viewing and Analysis - ProVAL - past and future	George K. Chang, Transtec Group
FAA Research on Runway Intersection Grading Criteria	Injun Song, SRA, and Albert Larkin, FAA
03:00 PM - 05:00 PM Session 6 – Smoothness Spec and Open Panel Discussion	Moderator: Bob Orthmeyer, FHWA
Profiler Certification Using AASHTO R56	Rohan W. Perera, SME
Incentive Only Ride Specification	Kevin McGhee, Virginia DOT
New Nevada DOT Pavement Smoothness Specifications and Future Profiler Certification Program	Steven Hale, Nevada DOT
<i>Open Panel Discussion – DOTs and Contractors' Experiences on Implementing IRI Spec.</i>	Invited DOTs and Contractors
05:00 PM - 05:30 PM Closing of Technical Sessions	Moderator: John Andrews, MD SHA, RPUG President
Conclusions of the RPUG 2016 program See you in Colorado in 2017!	



Friday, November 4

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.