

24th RPUG Conference

Sept. 24 to 27, 2012, Minneapolis, MN

Monday, September 24	
8:00 AM – noon	TPF 05-063 Pooled Fund Meeting
1:00-3:20 PM	Session 1 - Welcome and FHWA Program Updates
3:20-4:00 PM	Break/Vendor Exhibits
4:00-5:00 PM	Session 2 - RPUG Open Business Meeting
5:30–7:30 PM	Ice Breaker Reception
Tuesday, September 25	
7:00-8:00 AM	Breakfast
8:00-10:00 AM	Session 3 – PSC 101 Part I
10:00-10:30 AM	Break/Vendor Exhibits
10:30 AM - noon	Session 4 – PSC 101 Part II
12:00-1:00 PM	Lunch
1:00-5:15 PM	Session 5 – MnRoad Program and Technical Tour
5:30 PM	Dinner
Wednesday, September 26	
7:00-8:00 AM	Breakfast
8:00-9:00 AM	Session 6 – Friction
9:00-9:30 AM	Break/Vendor Exhibits
9:30 -11:30 AM	Session 7 – 3D Scanning
11:30AM-12:30 PM	Lunch
12:30-1:30 PM	Session 8 – Pavement Evaluation Equipment
1:30-3:00 PM	Session 9 – Profile Measurement and Analysis
3:00 – 3:30 PM	Break
3:30 – 5:00 PM	Session 10 – Profiler Certification and Smoothness Specs and Conclusion
5:00 PM	Adjourn RPUG
Thursday, September 27	
8:00-12:00 PM	Basic ProVAL Workshop, Concurrent TPF 05-063 Meeting
12:00-1:00 PM	Lunch on Your Own
1:00-5:00 PM	Advanced ProVAL Workshop
5:00 PM	Adjourn ProVAL workshops

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Day 1 – Monday, September 24, 2012

Session 1	
Welcome and FHWA Program Updates	
Moderator: Anita Bush (NVDOT) – RPUG president	
1:00 – 1:20 PM	Welcome by Derrell Turner (FHWA-MN)
1:20 – 1:50 PM	FHWA Performance Measure by Tom Van (FHWA)
1:50 – 2:20 PM	Pooled Fund Study TPF-5(063) and FHWA Surface Characteristics Program Update by Bob Orthmeyer (FHWA)
2:20 – 2:40 PM	FHWA Pavement Friction Management Program by Andy Mergenmeier (FHWA)
2:40 – 3:00 PM	FHWA Highway Performance Monitoring System (HPMS) by Justin Clarke (FHWA)
3:00 – 3:10 PM	RPUG Technical Achievement Award Presentation by Steve Karamihas
3:10 – 3:30 PM	Vendors' Brief Introduction by all vendors
3:30 – 4:00 PM	Break – Visit Exhibitors
Session 2	
RPUG Open Business Meeting	
Moderator: Steve Karamihas (UMTRI) – next RPUG president	
4:00 – 5:00 PM	This meeting is for <u>All RPUG participants</u> . In this meeting, we will conduct voting on the revised RPUG Bylaws and discuss the current and future RPUG business.
5:00 PM	Adjourn (day 1)
5:30 PM – 7:30 PM	Ice Breaker Reception

24th RPUG Conference
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Day 2 – Tuesday, September 25, 2012

7:00 – 8:00 AM	Breakfast
Session 3 RPUG Workshop PSC 101 – Part I Moderator: John Andrews (MD SHA)	
8:00 – 9:00 AM	Road Profile Measurement and Interpretation by Steve Karamihas (UMTRI)
9:00 – 10:00 AM	Tire-Pavement Noise by John Wirth (TXDOT)
10:00 – 10:30 AM	Break – Visit Exhibitors
Session 4 RPUG Workshop PSC 101 – Part II Moderator: John Andrews (MD SHA)	
10:30 – 11:15 AM	Texture and Tire-Pavement Friction by Brian Schleppe (OH DOT)
11:15 AM – noon	Rolling Resistance by Tom Harman (FHWA)
noon – 1:00 PM	Lunch
Session 5 MnRoad Program and Technical Tour Moderator: Bernard Izevbekhai (MNDOT)	
1:00 – 1:45 PM	Introductions on MnRoad program by Maureen Jensen (MNDOT) (at the conference hotel site)
2:00 – 2:45 PM	Travel to MnRoad (buses provided by RPUG)
2:45 – 4:30 PM	Equipment demo in Parking Lot and MnRoad Bus Tour of the Facility
4:30 – 5:15 PM	Travel back to Hotel (buses provided by RPUG)
5:15 PM	Adjourn (day 2)
5:30 PM	Dinner

24th RPUG Conference
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Day 3 – Wednesday, September 26, 2012

7:00 – 8:00 AM	Breakfast
Session 6 Tire-Pavement Friction Moderator: Eric Prieve (CODOT)	
8:00 – 8:30 AM	Next Steps in Quality Control and Harmonization of Friction Measurements on Highways and Runways by Zoltan Rado (Pennsylvania Transportation Institute, PSU)
8:30 – 9:00 AM	PSC Pooled Fund Update and Little Book of Friction by Edgar de León Izeppi (Virginia Tech)
9:00 – 9:30 AM	Break – Visit Exhibitors
Session 7 3D Scanning Moderator: Magdy Mikhail (TXDOT)	
9:30 – 10:00 AM	Highway Speed 3D Laser Imaging at True 1mm Resolution by Kelvin Wang (Oklahoma State University)
10:00 – 10:30 AM	Using 4000 point 3D transverse road profiles to evaluate longitudinal profiles, IRI and to compensate the effects of driver wander by John Laurent (Pavemetrics)
10:30 – 11:00 AM	Terrain Characterization: Make Everything as Simple as Possible, but not Simpler by Jacob Lambeth and John Ferris (Virginia Tech)
11:00 – 11:30 AM	Paving the way for Terrestrial Laser Scanning Assessment of Road quality by Abby Chin and Michael Olsen (Oregon State University)
11:30 AM – 12:30 PM	Lunch
Session 8 Pavement Evaluation Moderator: LaDonna Rowden (ILDOT)	
12:30 – 1:00 PM	Evolution of Pavement Condition Survey, Data Collection and Performance Evaluation Technologies – Canadian Experience by Li Ningyuan (MTO, Canada)
1:00 – 1:30 PM	A comparison of 2 automated crack measurement system by Richard Wix (ARRB, Australia)

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Day 3 – Wednesday, September 26, 2012

Session 9	
Profile Measurement and Analysis	
Moderator: LaDonna Rowden (ILDOT)	
1:30 – 2:00 PM	Pedestrian Pathway Roughness by Jon Pearlman (University of Pittsburg)
2:00 – 2:30 PM	Comparative evaluation of different lasers for ride quality measurements by Emmanuel Fernando (TTI)
2:30 – 3:00 PM	Estimation of Stone-loss on network condition surveys by use of multiple texture lasers by Thomas Wahlman and Peter Ekdahl (Ramboll, Sweden)
3:00 – 3:30 PM	Profiler Certification Program at the NCAT Pavement Test Track by Buzz Powell (NCAT)
3:30 – 4:00 PM	Break
Session 10	
Open Panel Discussion and Conclusion	
Moderator: James Watkins (MSDOT)	
4:00 – 5:00 PM	Open Panel Discussions on Profiler Certification and Construction Smoothness Specifications Panels: "Doc" Zhang (LTRC), Peter Vacura (Caltrans), Mike Stennett (ORDOT), Alex Middleton (MSDOT), Joe Wilson (WIDOT), and Gary Mitchell (Dynatest)
5:00 PM	Adjourn RPUG (Day 3)

24th RPUG Conference
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Day 4 – Thursday, September 27, 2012

Breakfast on your own

Session 11
Basic ProVAL Workshop
George Chang, Jennifer Rutledge (Transtec Group) and
Steve Karamihas (UMTRI)

Notes: Participants need to download the ProVAL workshop software and pre-install on their laptops prior to the workshop. The downlink is available on the [RPUG conference website](#).

8:00 - 8:20 AM	Session 1 - Introduction and new features
8:20 - 9:00 AM	Session 2 - Ride Indexes and Statistics
9:00 - 9:15 AM	Break
9:15 - 10:15 AM	Session 3 - Smoothness Assurance (SAM)
10:15 - 10:30 AM	Break
10:30 - 11:45 AM	Session 4 - Study Pavement Features with IRI
11:45AM – noon	Conclusion and Workshop Evaluations

Lunch on your own

Session 12
Advanced ProVAL Workshop
Steve Karamihas (UMTRI)

Follow the above notes.

1:00 – 1:15 PM	Session 1 - Introduction
1:15 – 2:15 PM	Session 2 – Power Spectral Density (PSD)
2:15 – 2:30 PM	Break
2:30 – 3:30 PM	Session 3 - Profile Filtering
3:30 – 4:30 PM	Session 4 – Profile Comparison
4:30 – 5:00 PM	Conclusion and Workshop Evaluations

5:00 PM **Adjourns ProVAL Workshops**

See y'all next year in San Antonio, TX