



32nd RPUG Virtual Conference

GotoWebinar, September 15 to 16; October 13 to 15, 2020

At-A-Glance Agenda

All times are in US EDT zone

TUESDAY, SEPTEMBER 15	
11:00 AM – 12:30 PM	Road Profile Measurement and Interpretation 101
12:30 PM – 02:00 PM	Tire/Pavement Friction & Grip 101
WEDNESDAY, SEPTEMBER 16	
11:00 AM – 12:30 PM	Tire/Pavement Noise 101
12:30 PM – 01:30 PM	Splash, Spray & Hydroplaning 101
01:30 PM - 02:30 PM	Rolling Resistance 101
TUESDAY, OCTOBER 13	
11:00 AM – 12:30 PM	Profile Session I
12:30 PM – 02:00 PM	Profile Session II
WEDNESDAY, OCTOBER 14	
11:00 AM – 12:30 PM	3D Distresses-DQMP-HPMS
12:30 PM – 02:00 PM	DQMP-HPMS
THURSDAY, OCTOBER 15	
11:00 AM – 12:30 PM	Profile Session III
12:30 PM – 02:00 PM	Friction/Hydroplaning/Macrotecture



Day 1
Tuesday, September 15

11:00 AM – 12:30 PM

1.1 - Road Profile Measurement and Interpretation 101

Trainer: Steve Karamihas (UMTRI)

12:30 PM – 2:00 PM

1.2 - Tire/Pavement Friction & Grip 101

Trainer: Brian Schleppe (Ohio DOT)



Day 2
Wednesday, September 16

11:00 AM – 12:30 PM 2.1 - Tire/Pavement Noise 101	Trainer: Ronald Kennedy (CenTiRe)
<p>Noise from vehicles driving on our roadways can be an irritant to those living and working near the roads, as well as those inside the vehicles. Tire/pavement noise is a major contributor to this sound. This session will provide a brief overview of what this noise is, how it is measured in the context of the tire/pavement system, and the mechanisms generating the noise. We'll also address things that can be done to alleviate the noise levels (beyond adding sound walls).</p>	
12:30 PM – 1:30 PM 2.2 - Splash, Spray & Hydroplaning 101	Trainer: Gerardo Flintsch (Virginia Tech)
01:30 PM – 2:30 PM 2.3 - Vehicle Rolling Resistance 101	Trainer: Richard Wix (ARRB)



Day 3
Tuesday, October 13

11:00 AM – 12:30 PM 3.1 - Profile Session I	Moderator: Colin McClenahan (PennDOT)
3.11 - Illinois Test Track for Research and Certification	John Senger (ILDOT)
3.12 - Profiler Roundup Data at MnROAD: Cross-Correlation and Expected IRI Error	Steve Karamihas (UMTRI)
3.13 - SHRP2 R06(E): Real-Time Smoothness Update	Dave Merritt (Transtec Group)
12:30 PM – 2:00 PM 3.2 - Profile Session II	Moderator: Dave Huft (SDDOT)
3.21 - Design vs. Real-World Smoothness	Steve Karamihas, UMTRI and Richard Wix, ARRB
3.22 - ProVAL: Upcoming Improved and New Features	George Chang, Transtec Group
3.23 - Smoothness Specs - Lessons-Learned: Panel Discussion	Jacob Blanchard (INDOT), John Senger (ILDOT), James Greene (FLDOT), and Steve Hale (NVDOT)



Day 4
Wednesday, October 14

11:00 AM – 12:30 PM	
4.1 - 3D Distresses-DQMP-HPMS	Moderator: Steve Hale (NVDOT)
4.11 - Multi-Object and Real-Time Processing of Pavement Surface Distresses with Sub-mm 3D Data in the AI Environment	Kelvin C.P. Wang (OSU and Waylink)
4.12 - ILDOT's Journey from Manually Rated Roads to The Automated Data Collection and Automated Rating World	Bill Vavrik and Joe Stefanski (ARA)
4.13 - Updating a State Pavement Condition Framework Using Relative Performance Targets	Alex Bernier (Uconn)
12:30 PM – 2:00 PM	
4.2 - DQMP-HPMS	Moderator: James Greene (FLDOT)
4.21 - FHWA DQMP Document of Successful Practices	George Chang and Amanda Gilliland (Transtec Group)
4.22 - HPMS Updates	Robert Rozycki (FHWA)
4.23 - DQMP and HPMS - Panel Discussion	Thomas Van, Bob Orthmeyer, Robert Rozycki (FHWA), and Scott Mathison (PathWay)



Day 5
Thursday, October 15

11:00 AM – 12:30 PM	
5.1 - Profile Session III	
Moderator: Kevin McGhee (VADOT)	
5.11 - Utilizing Highway Network Wide Localized Roughness Analysis	Brian Schleppe (Ohio DOT)
5.12 - 3D Technologies for Longitudinal Profile Measurements: challenges and solutions to certification	John Laurent (Pavemetrics)
5.13 - Implementation of Transverse Pavement Profile Related AASHTO Standards for Rutting Measurements	John Ferris (Road Scholar Solutions)
12:30 PM – 2:00 PM	
5.2 – Friction/Hydroplaning/Macrotexture	
Moderator: John Andrews (Powel Enterprises)	
5.21 - Continuous Friction Measurements and Managements	Ryland Potter (WDM)
5.22 - Outcomes of NCHRP 15-55 Hydroplaning	Gerardo Flintsch (Virginia Tech)
5.23 - Highway Speed Macrotexture Measurement: Spot vs Line Laser	Charles Holzschuher (FLDOT)