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/Macrotexture

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 Schleppi (Ohio DOT)**

Day 2
Wednesday, September 16

11:00 AM – 12:30 PM **2.1 - Tire/Pavement Noise 101**	**Trainer: Ronald Kennedy (CenTiRe)**
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).	
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 McClenahen (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: Eric Prieve (CODOT)**
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: Bouzid Choubane (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 Schleppi (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)