



36th RPUG Annual Conference

Embassy Suite Convention Center Hotel in Dallas, TX

April 28 – May 1, 2025

MONDAY, April 28th	
08:00 AM – 12:00 PM	TPF-5(299) Distresses Pooled Fund Meeting
01:00 PM – 05:00 PM	TPF-5(463) Friction Pooled Fund Meeting
01:00 PM – 05:00 PM	ProVAL Workshop & Users Forum
06:00 PM – 08:00 PM	Ice-Breaker Reception
TUESDAY, April 29th	
07:00 AM – 08:00 AM	Breakfast (visit exhibits)
08:00 AM – 09:50 AM	Session 1 – Opening/PCS/Vendor’s introduction
09:50 AM – 10:20 AM	Break (visit exhibits)
10:20 AM – 12:00 PM	Session 2 – Pavement Condition Surveys (I)
11:50 PM – 01:00 PM	Break (lunch & Poster Session I)
01:00 PM – 02:40 PM	Session 3 – Profile (I)
02:40 PM – 02:55 PM	Break (visit exhibits)
02:55 PM – 04:10 PM	Session 4 – Profile (II)
04:10 PM – 04:25 PM	Break (visit exhibits)
04:25 PM – 05:15 PM	Session 5 – Profile (III) and RPUG Business Meeting
06:00 PM – 10:00 PM	Social Event
WEDNESDAY, April 30th	
07:00 AM – 08:00 AM	Breakfast (visit exhibits)
08:00 AM – 09:40 AM	Session 6 – Texture/Friction (I)
09:40 AM – 10:10 AM	Break (visit exhibits)
10:10 AM – 11:50 PM	Session 7 – Texture/Friction (II)
11:50 PM – 01:00 PM	Break (lunch & Poster Session II)
01:00 PM – 02:40 PM	Session 8 – Texture/Friction/PMS/PCS
02:40 PM – 02:55 PM	<i>Break (visit exhibits)</i>
02:55 PM – 04:10 PM	Session 9 – Pavement Condition Surveys (II)
04:10 PM – 04:25 PM	<i>Break (visit exhibits)</i>
02:55 PM – 04:10 PM	Session 10 – Open Forum/Closing
THURSDAY, May 1st	
08:00 AM – 10:00 AM	TRB AKP50 Committee Meeting
10:00 AM – 03:00 PM	TPF-5(537) Profile Pooled Fund Meeting



Monday, April 28th, 2025

08:00 AM – 12:00 PM

TPF-5(299) Distresses Pooled Fund Meeting
Room: TBA

Moderator: Andy Mergenmeier, FHWA

Improving the Quality of Pavement Surface Distress and Transverse Profile Data Collection and Analysis Pooled Fund Meeting

This meeting is open to its members and all others interested in this subject.

01:00 PM – 05:00 PM

TPF-5(463) Friction Pooled Fund Meeting
Room: TBA

Moderators: Edgar D. de León Izeppi, VTTI

This is a TPF-5(463) Friction Pooled Fund Meeting to discuss the TPF's friction studies, including the following presentation:

- Physical Interpretation of Contactless Energy-Based Tire-Pavement Friction Models, by Ahmad Alhasan (HNTB)

All TPF members and friends are welcome!

1:00 PM – 05:00 PM

ProVAL Workshop & Users Forum
Room: TBA

Moderator: George K. Chang, Transtec Group

This workshop is hands-on and focuses on ProVAL software exercises. It also includes a ProVAL users forum to interact with users for feedback.

Trainers include George Chang(Transtec Group), Dave Merritt, Amanda Gilliland, Subramanian "Subu" Sankaranarayanan

All participants need to bring their laptop computer preinstalled with [ProVAL 4.0](#) and [sample files](#).

This workshop is open to all!

06:00 PM – 8:00 PM

Ice Breaker Reception
Room: TBA

It is an ice breaker reception as a great networking opportunity to be held at the exhibit hall.

All RPUG attendees are welcome!



Tuesday, April 29th, 2025

08:00 AM – 09:50 AM		Moderator: Colin McClenahen (PennDOT) – RPUG President	
Session 1 – Opening/PCS/Vendor’s introduction			
Room: TBA			
Welcome		Colin McClenahen (PennDOT)	
Keynote Speech		Mohamed “Mo” Bur (TxDOT)	
State of Connecticut DOT current practice for QC/QA for Pavement Condition Data - Emphasis on LCMS pavement distress identification		Jeannine Moriarty (Connecticut Department of Transportation)	
Critical Assessment of Cross-slope Measurement Accuracy from 3D Pavement Data		Mohsen Mohammadi(Georgia Institute of Technology), Yi-Chang(James) Tsai, Zhongyu Yang, Jenny Li	
Vendors' brief oral introduction		All vendors’ representatives	
09:50 AM – 10:20 AM Break (visit exhibits)			
10:32 AM – 12:00 PM		Moderator: TBA	
Session 2 – Pavement Condition Survey (I)			
Room: TBA			
Proposal for an International Standard Crack Map		Michael Nieminen (ICC-IMS)	
Pavement Surface Characteristics Evaluation Using Vehicle-Based Data Collection		Gerardo Flintsch(Virginia Tech), Grace Mardirossian, Matteo Pettinari, Edgar de Leon and Björn Zachrisson	
Cracking Data Quality Assessment Using Ground References: Developing a Standard Methodology		Zhongyu Yang(Georgia Institute of Technology), Trinh N. Flynt, Ryan Salameh, Georgene Geary, Yi-Chang (James) Tsai	
Using AI to enhance the analysis of 3D pavement image data		John Laurent (Pavemetrics Systems Inc.)	
12:00 PM – 01:00 PM Break (lunch)			
12:30 PM – 01:00 PM		Moderator: TBA	
Poster Session (I)			
Room: TBA			
TBA			



Tuesday, April 29th, 2025 (cont'd)

01:00 PM – 02:40 PM Session 3 - Profile (I) Room: TBA		Moderator: TBA
IDOT Profiler Comparison Experiment	Steve Karamihas(Applied Pavement Technology), John Senger	
Pilot Certification of Profilors for Use at Low Speed, During Braking, and Through Stops	Steve Karamihas(Applied Pavement Technology), John Senger	
Illinois DOT's IRI Specification – Looking Back at the First Four Years	John Senger (ILDOT)	
Smooth Roads, Strong Partnerships: Developing CDOT's Latest Specification	Sarah Dalton(CDOT/ACPA), Eric Prieve	
02:40 PM – 02:55 PM Break (visit exhibits)		
02:55 PM – 04:10 PM Session 4 - Profile (II) Room: TBA		Moderator: TBA
Real Time Smoothness for Concrete Pavements: State-of-the-Practice and Value Proposition	David Merritt(The Transtec Group, Inc), Gary Fick, John Adam	
History and Current Status of Dual-Laser Inertial Profiling Technology	Paul Toom (ICC-IMS)	
Leveraging Lidar Data to Construct Smoother Pavements	Jim Preston (Topcon Positioning Systems)	
04:10 PM – 04:25 PM Break (visit exhibits)		
04:25 PM – 05:15 PM Session 5 - Profile (III) & RPUG Business Meeting Room: TBA		Moderator: TBA
Automated and Interpretable Classification of Jointed Plain Concrete Pavement (JPCP)Slab State Using Crack Vector Model(CVM)	Zhongyu Yang(Georgia Institute of Technology), Trinh N. Flynt, Ryan Salameh, Georgene Geary, Yi-Chang (James) Tsai	
RPUG Open Business Meeting	Colin McClenahen (PennDOT)	
06:00 PM – 10:00 PM Social Event (details to be announced at the conference)		



Wednesday, April 30th, 2025

08:00 AM – 09:40 AM Session 6 – Texture/Friction (I) Room: TBA		Moderator: TBA
<p>A fraction too much friction-never</p> <p>Evolution of High Friction Surface Treatment Projects in Kentucky</p> <p>iSAVE–The Mississippi Experience</p> <p>The Role of Continuous Tire-Pavement Friction Measurement in the Management of High Friction Surface Treatments</p>	<p>Richard Wix (National Transport Research Organization - NTRO)</p> <p>Richard (Alex) Mucci (Kentucky Transportation Cabinet)</p> <p>Jim Poorbaugh (Mississippi Department of Transportation)</p> <p>Isaac Briskin(WDM), Ryland Potter</p>	
09:40 AM – 10:10 AM Break (visit exhibits)		
10:10 AM – 11:50 PM Session 7 – Texture/Friction (II) Room: TBA		Moderator: TBA
<p>Texture Signature Performance Index(TSPI)Implementation</p> <p>Establishing Friction and Macrotexture Investigatory Thresholds</p> <p>Investigating the Combined Effects of Macrotexture and Friction on Crash Counts and Safety Performance Functions for Different Pavement Mix Types and Roadway Categories</p> <p>Evaluation of an alternative measure of macro-texture to that of MPD (Mean Profile Depth)</p>	<p>Everett Schmitz (Pathway Services Inc)</p> <p>Boris Goenaga(North Carolina State University), Shane Underwood, Cassie Castorena, Paul Rogers</p> <p>Behrokh Bazmara(Virginia Tech), Gerardo W. Flintsch, Edgar de León Izeppi</p> <p>Richard Dal Lago (WDM limited)</p>	
11:50 AM – 01:00 PM Break (lunch)		
11:50 AM – 01:00 PM Poster Session (II) Room: TBA		Moderator: TBA
TBA		



Wednesday, April 30th, 2025 (cont'd)

01:00 PM – 02:40 PM Session 8 – Texture/Friction/PMS/PCS Room: TBA		Moderator: TBA
Advancing Pavement Macrotexture Characterization: Interlaboratory Variability Assessment and Machine Learning Modeling	Tianhao Yan(FHWA), Maryam Sakhaeifar, Andy Mergenmeier	
Diamond Grinding for Fuel Economy Improvement and Safety grooving for Friction Remediation	Nicholas Davis (IGGA)	
Unboxing The Blackbox: Uncertainty and AI in Pavement Condition Data and Performance Models	Ahmad Alhasan(HNTB), John Senger	
Automated Project-Level Maintenance and Rehabilitation Planning and Design for Jointed Plain Concrete Pavements Using 3D Pavement Surface Data	Ryan Salameh(Georgia Institute of Technology), Jaden Lim, and Yi-Chang (James) Tsai	
02:40 PM – 02:55 PM Break (visit exhibits)		
02:55 PM – 04:10 PM Session 9 – Pavement Condition Survey (II) Room: TBA		Moderator: TBA
Network-Wide Screening Using Connected Vehicle Data	Björn Zachrisson (Nira Dynamics)	
Implementing Artificial Intelligence in Automated Pavement Distress Detection at the State Level: Lessons Learned in Texas	Haitao Gong(Texas State University), Feng Wang, Jelena Tesic, and Andrew Scouten	
Evaluating Pavement Macrotexture Using 3D Laser Technology and its Correlation with Skid Resistance	Ali Hafiz(Advanced Infrastructure Design), Manuel Celaya, Kaz Tabrizi	
04:10 PM – 04:25 PM Break (visit exhibits)		
04:25 PM – 05:25 PM Session 10 – Open Forum/Closing Room: TBA		Moderator: TBA
Open Forum	TBA	
Closing	Colin McClenahen (PennDOT)	



Thursday, May 1st, 2025

08:00 AM – 12:00 PM

**TRB AKP50 Committee Meeting
Room: TBA**

Moderator: Brian Schleppe (VIHSC)

TRB Standing Committee on Pavement Surface Properties & Vehicle Interaction mid-year meeting
This meeting is for its members and all others interested in this subject.

10:00 AM – 03:00 PM

**TPF-5(537) Profile Pooled Fund Meeting
Room: TBA**

Moderator: John Senger, ILDOT

This is TPF-5(537) Profile Pooled Fund Meeting, including the following presentations:

- Testing with the Benchmark Profiler and the Urban and Low-Speed Profiler at ICART, by Steve Karamihas (APTech)
- Contractor Pavement and Bridge Profiling Verification, by Max G. Grogg (APTech)

This meeting is for its members and all others interested in this subject.

3:00 PM

RPUG 2025 Adjourned

See You Next Year!