

# 21<sup>st</sup> Annual Road Profiler Users' Group Meeting

## Dec. 9 to Dec. 11, 2009, Atlanta, GA

### Agenda - at a Glance

<b>Wednesday, December 9</b>	
8:30 -11:45 AM	ProVAL 3.0 Advanced Workshop
11:45 AM-1:00 PM	Lunch on your own
1:00-2:30 PM	Session I - Welcome and Introductions
2:30-3:00 PM	Break/Vendor Exhibits
3:00-4:30 PM	Session II - Research and Standardization Initiatives
4:30-5:15 PM	Session III - RPUG Open Steering Committee Meeting
6:00 PM	Ice Breaker Reception
<b>Thursday, December 10</b>	
7:00-8:00 AM	Breakfast
8:00-10:00 AM	Session IV - Benchmark Profiler Experiment
10:00-10:30 AM	Break/Vendor Exhibits
10:30 AM-12:00 PM	Session V - Texture/Noise/Friction
12:00-1:00 PM	Lunch
1:00-2:45 PM	Session VI - Profile Measurement and Analysis
2:45-3:15 PM	Break/Vendor Exhibits
3:15-5:00 PM	Session VII - Pavement Evaluation Equipment
<b>Friday, December 11</b>	
7:00-8:00 AM	Breakfast
8:00-9:45 AM	Session VIII – Profiler Certification and Construction QA/QC (1/2)
9:45-10:15 AM	Break/Vendor Exhibits
10:15 AM-12:00 PM	Session IX – Profiler Certification and Construction QA/QC (2/2)
12:00-1:00 PM	Lunch on Your Own
1:00-4:30 PM	ProVAL 3.0 QA/QC Workshop

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**Day 1 - Wednesday, December 9, 2009**

<b>ProVAL 3.0 Advanced Workshop</b>	
<b>8:30 – 11:45 AM</b>	This is a ProVAL workshop on advanced topics such as filtering and PSD, etc. It is limited to 40 participants. Sign up early – sign up often.
<b>11:45 AM – 1:00 PM</b>	<b>Lunch On Your Own</b>
<b>Session I</b> <b>Welcome and Introductions</b> <b>Speakers: Kevin McGhee VDOT and A.J. Jubran GDOT</b>	
<b>1:00 – 2:30 PM</b>	This session kicks off the meeting by introducing RPUG and describing important changes to the organization, and providing a chance for this year's vendors to introduce themselves. The session also sets the stage for the meeting by discussing the context in which pavement surface characteristic data are used.
<b>2:30 – 3:00 PM</b>	<b>Break – Visit Exhibitors</b>
<b>Session II</b> <b>Research and Standardization Initiatives</b> <b>Moderator: James Turner, GDOT</b>	
<b>3:00 – 3:30 PM</b>	<b>Pooled Fund Study TPF-5(063) and FHWA Surface Characteristics Program Update (Bob Orthmeyer, FHWA)</b>
<b>3:30 – 4:00 PM</b>	<b>CP Road Map and the Concrete Pavement Surface Characteristics Program (Rob Rasmussen, Transtec Group)</b>
<b>4:00 – 4:30 PM</b>	<b>Update of the ACPA Surface Characteristics Research Program (Larry Scofield, ACPA)</b>
<b>Session III</b> <b>RPUG Open Steering Committee Meeting</b> <b>Moderator: Kevin McGhee – RPUG President – VDOT</b>	
<b>4:30 – 5:15 PM</b>	In this meeting, we will discuss the future of the RPUG organization.
<b>5:15 PM</b>	<b>Adjourn</b>

**6:00 PM**

**Ice Breaker Reception**

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**Day 2 - Thursday, December 10, 2009**

7:00 – 8:00 AM

**Breakfast**

<b>Session IV</b>	
<b>Benchmark Profiler Experiment</b>	
<b>Moderator: John Andrews, MD SHA</b>	
<b>8:00 – 10:00AM</b>	<b>Benchmark Profiler Experiment</b>  Virginia Technical University Reference Profiler (John Ferris, VT) APR Auto Rod and Level as a Reference Profiler (Mike Freeman, APR) SSI Reference Profiler (TBA) ICC Reference Profiler (TBA) Benchmark Road Profiler Testing Results (Steve Karamihas, UMTRI)
<b>10:00 – 10:30 AM</b>	<b>Break – Visit Exhibitors</b>
<b>Session V</b>	
<b>Texture/Noise/Friction</b>	
<b>Moderator: Brian Schleppe, ODOT</b>	
<b>10:30 – 11:00 AM</b>	<b>Developing a Research-Level Protocol and Software for the Michigan DOT Prototype Pavement Surface Texture Laser Profiler (Christopher R. Byrum, SME)</b>
<b>11:00 – 11:30 PM</b>	<b>Connecting Texture and Tire-Pavement Noise (Rob Rasmussen, Transtec Group)</b>
<b>11:30 – 12:00 PM</b>	<b>Speed Adjustment Factors for the Locked-Wheel Skid Trailer (Shahriar Najafi, VT)</b>
<b>12:00 – 1:00 PM</b>	<b>Lunch</b>

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## Day 2 - Thursday, December 10, 2009 (Cont)

<b>Session VI</b>	
<b>Profile Measurement and Analysis</b>	
<b>Moderator: James Watkins, MSDOT</b>	
<b>1:05 – 1:30 PM</b>	<b>Evaluation of Faulting and the Effectiveness of Dowel Bars at Pavement Joints Using Rapid Travel Profilers for the FHWA LTPP GPS3 Jointed Concrete Pavement Test Sites (Christopher R. Byrum, SME)</b>
<b>1:30 – 1:55 PM</b>	<b>Painless Transition from ProVAL 2.7 to ProVAL 3.0 (George Chang, Transtec Group)</b>
<b>1:55 – 2:20 PM</b>	<b>Road Profile Data Quality Control (Leif Sjögren, VTI, Sweden)</b>
<b>2:20 – 2:45 PM</b>	<b>Development of A New Pavement Distress Evaluation Guide for Ontario Ministry of Transportation (Li Ningyuan, MTO, Canada)</b>
<b>2:45 – 3:15 PM</b>	<b>Break – Visit Exhibitors</b>
<b>Session VII</b>	
<b>Pavement Evaluation Equipment</b>	
<b>Moderator: Anita Bush, NVDOT</b>	
<b>3:15 – 3:40 PM</b>	<b>Use of Video Imaging for a Road Safety Project in Vietnam (Richard Wix, ARRB, Australia)</b>
<b>3:40 – 4:05 PM</b>	<b>Validation of the Rolling Straightedge Simulation Performed on the Data Collected by an Inertial Profiler (Rohan Perera, SME)</b>
<b>4:05 – 4:30 PM</b>	<b>Removing Drift from Inertial Navigation System Measurements (John Ferris, VT)</b>
<b>4:30 – 4:55 PM</b>	<b>Laser Crack Measurement System (John Laurent, INO, Canada)</b>
<b>5:00 PM</b>	<b>Adjourn</b>

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## Day 3 - Friday, December 11, 2009

7:00 – 8:00 AM

Breakfast

<b>Session VIII</b>	
<b>Profiler Certification and Construction QA/QC (1 of 2)</b>	
<b>Moderator: Magdy Mikhail, TXDOT</b>	
8:00 – 8:30 AM	“Smooth Ride?” Contractor Performed Tests in the Quality-Assurance Process: The Nevada Experience (Steve Hale, NVDOT)
8:30 – 9:00 AM	Preliminary Result from the Profiler Certification Exercise at the Virginia Smart Road (Sameer Shetty, VT)
9:00 – 9:30 AM	HPMS Program Update (Robert Rozycki, FHWA)
9:30 – 10:00 AM	<b>Break</b>
<b>Session IX</b>	
<b>Profiler Certification and Construction QA/QC (2 of 2)</b>	
<b>Moderator: Terry Treutel, WisDOT</b>	
10:00 AM – noon	Open panel meeting on “Practitioners' Review of Smoothness Incentive Programs” Speakers: Matt Ross (Penhall), Doug Lewis (Atlantic Contracting), Sean Nelson (VDOT), and Steve Karamihas (UMTRI).
12:00 PM	<b>Adjourn RPUG Meeting</b>
12:00 – 1:00 PM	<b>Lunch on Your Own</b>
<b>ProVAL 3.0 QA/QC Workshop</b>	
1:00 – 4:30 PM	In this session, learn the basic function of ProVAL 3.0 and how to evaluate new construction QA/QC profiles for localized defects, periodic roughness, and potential measurement quality problems with practical examples. This is limited to 40 participants. Enroll today!!