



Preliminary Program ERPUG Forum 2019

Vilnius, Lithuania

www.erpug.org

16 October		Presenter	Company	Country	Sponsor
15:00-15:20	Welcome				
15:20-15:40	Welcome to Lithuania	Deputy Director Aivaras Vilkelis	LRA	LT	
15:40-16:00	Experience of road pavement noise level and skid resistance measurement in Lithuania	Audrius Vatikus	VG TU	LT	
16:00-16:20	Exhibitors and sponsors presentation	2 min speed presentation			
16:20-16:40	Collaboration in developing a pavement management regime	Chris Newson	AgileAssets	UK	Sponsor
16:40-17:00	TBA	TBA	Deighton	AT	Sponsor
-20:00	MINGLE EVENT				
17 October					
8:40-9:00	Automated identification of surface types and objects in the road surrounding from mobile mapping data	Markus Leidinger	Fraunhofer Institute	DE	
9:00-9:20	The Dutch way of using road data into maintenance execution	Frank Bouman	RWS	NL	
9:20-9:40	Monitoring and testing need for road asset maintenance management	Carl Van Geem and Tim Massart	BRR C	BE	
9:40-10:00	Digital approaches in monitoring long function-based contracts for roads in Sweden	Richard Nilsson	Skanska	SE	
10:00-10:40	BREAK and EXHIBITION				
10:40-11:00	Key performance indicators for pavement condition	Niels Skov Dujardin	Danish Road Directorate	DK	
11:00-11:20	HAMMER part 1; Explore existing datasets, estimation of fuel usage, carbon footprint and energy consumption and harmful whole-body vibrations in urban and sub-urban environments	Christian Nilsson	Ramboll	SE	Sponsor
11:20-11:40	Development of a method to understand users' experience of ride quality and its relationship with road shape	Alex Wright	TRL	GB	
11:40-12:00	Stuck in a Rut, or Compact Road Surface Characterizations Using Orthonormal Basis	John Ferris	Virginia Tech	US	
12:00-13:00	LUNCH				



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13:00-13:20	Prediction models for IRI and rut depth	Olle Ericsson	VTI	SE	Sponsor
13:20-13:40	News about Swedish trials with the TSD	Roger Nilsson	Skanska	SE	
13:40-14:00	Update on the introduction of the TSD in Germany	Dirk Jansen	BASt	DE	
14:00-14:40	BREAK and EXHIBITION				
14:40-15:00	An example of how to use high-speed deflection measurements collected with the Dynatest Raptor to plan road maintenance activities	Iacopo Malquori	Dynatest	IT	Sponsor
15:00-15:20	Using cloud data to visualise network hotspots	Chad Murnane	ARRB Systems	AUS	Sponsor
15:20-15:40	TSD, possibilities for back calculations of e-moduli and strains in the pavement	Karsten Jensen	Greenwood engineering	DK	Sponsor
15:40-16:00	First experiences regarding the reference sections on the duraBASt	Christian Gottaut	BASt	DE	
16:00-16:20	Validation Multi-Purpose Measuring Vehicle	Eelke Vromans	KIWA	NL	
16:20-16:40	Advanced Pavement Data Acquisition Using High Resolution Stereoscopic Imaging at Highway Speeds	Matthew Connelly-Taylor	FUGRO	CA	Sponsor
16:40-17:00	ViaTech- Implementation of split friction & experiences in Norway	Halvard Haugland	VIATECH	NO	Sponsor
18:00---	DINNER EVENT				
18 October					
8:00-8:20	The implementation of a new friction tester at the Danish Road Directorate	Michael Jørgensen	Danish Road Directorate	DK	
8:20-8:40	TBA	Lauren Tran	Pathway	US	Sponsor
8:40-9:00	French airports and automated pavement distress surveys	Marion Dewilde	French Civil Aviation TechniCal Centre (STAC)	FR	
9:00-9:20	Automated sidewalk inspections and measurement using 3D laser sensors and motion compensation	John Laurent	Pavemetrics	US	Sponsor
9:20-9:40	EU Benchmark and deep learning on cracking-data	Willem van Aalst/ Peter-Paul Schackmann	TNO, RWS	NL	



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9:40-10:00	The SINA company experience with surface defects and methods	Michele Moori	SINA	IT	Sponsor
10:00-10:20	COFFEE BREAK				
10:20-10:40	Objective measurement of surface defects and cracks - Road surface condition measurement	Thomas Lundberg/ Christian Glantz	VTI/Ramboll	SE	Sponsor
10:40-11:00	Pavement Distress Detection Using Advanced Machine Learning Methods with Intensity and Depth Data	Matthew Connelly-Taylor	FUGRO	CA	Sponsor
11:00-11:20	Beyond Cracking for Fully Automated Distress Survey with Sub-mm 3D Technology	Kelvin Wang	Oklahoma State University Corporation	US	
11:20-11:40	Automated image analysis based on deep learning	Andreas Grossman	Ginger Lehmann + Partner	DE	Sponsor
11:40-12:40	Panel discussion				
12.40-13:00	FAREWELL and LUNCH				