

CONFERENCE PROGRAMME

Monday, August 23

8.00 - 10.00 Registration of participants in the conference website

10.00 - 12.00 Opening of the Conference
Keynote session
Trends in road sector development – from global to local perspective

12.00 - 13.30 Break (1-2 filmiņas)

Session 1.1 Future Mobility, Strategic Planning & Road Financing ALFA		Session 2.1 Road Construction & Innovative Materials BETA 1		Session 6.1 Smart Road Solutions & ITS BETA 2		Sponsored session OMEGA	
13.30 - 13.45	Dace Berzina. Construction of Express Roads in Latvian State Main Road Network	13.30 - 13.45	Asres S. Alamrew and Konrad Mollenhauer. Advantages of filler and surfactant additive to improve moisture sensitivity of Hot Mix Asphalt mixtures	13.30 - 13.45	Taavi Tõnts and Aivo Salum. E-waybill using experience & development in Estonian state road building	3M Innovations & products	
13.45 - 14.00	Ilze Kristīne Apsalone, Verners Akimovs, Mārtiņš Lazdovskis and Liesma Grinberga. The first highway infrastructure PPP project in the Baltic States according to DBFM model – challenges and opportunities	13.45 - 14.00	Audrius Vaitkus, Rita Kleizienė and Martynas Karbočius. ViaStructura – new way of pavement structure design	13.45 - 14.00	Viktoras Lapinas and Mantas Kišonas. Less Temptation to Exceed the Speed Limit or Towards Vision Zero		
14.00 - 14.15	Justas Norbutas and Jolanta Nemaniūtė-Gužienė. Development of Via Baltica in Lithuania	14.00 - 14.15	Michał Golos and Piotr Mazurowski. Pavement optimisation with aggregate base or asphalt layers stabilised with hexagonal geogrids	14.00 - 14.15	Boriss Jelsejevs and Kristjan Duubas. The rolling out of international project SMART E263/E77 for advanced traffic management		
14.15 - 14.30	Adam Zofka and Andrzej Maciejewski. Implementation of road asset management in Poland	14.15 - 14.30	Mukul Rathore, Kaspars Kalnins, Viktors Haritonovs and Martins Zaumanis. A critical review on mixing parameters for high content reclaimed asphalt mixtures	14.15 - 14.30	Zigmārs Krūmiņš, Juris Smirnovs, Valentīna Barkova and Roberts Auziņš. Use of BIM in SLCC Latvian State Roads for process management		
14.30 - 14.45	Darius Ražinskas and Aidas Saladžius. Transformation of Lithuanian Road Charging	14.30 - 14.45	Janis Baumanis, Arturs Riekstins and Andris Balodis. Investigation of comparability of TSRST and SCB cracking tests for evaluation of low-temperature properties in asphalt mixtures and use in quality control	14.30 - 14.45	Erko Puusaag and Anti Palmi. Implementing Building Information Management (BIM) in Estonian Transport Administration		
14.45 - 15.00	Q&A	14.45 - 15.00	Q&A	14.45 - 15.00	Q&A		

15.00 - 15.30 Break (1-2 filmiņas)

Session 3.1 Bridges ALFA		Session 2.2 Road Construction & Innovative Materials BETA 1		Session 4.1 Traffic Safety OMEGA		Session 2.4 Road Construction & Innovative Materials OMEGA	
15.30 - 15.45	Felipe Collazos-Arias and David Garcia-Sanchez. Adaptation and resilience from a maintenance perspective for swing bridge. lessons learned in recent retrofitting project experiences	15.30 - 15.45	Andrejs Taranovs. Falling Weight Deflectometre and Plate Load Test: Direct and Indirect Comparative Testing	15.30 - 15.45	Laura Gavėnienė, Laura Jateikienė and Donatas Čygas. Implementation and efficiency of average speed enforcement systems on Lithuanian roads	15.30 - 15.45	Judita Gražulytė, Audrius Vaitkus and Ovidijus Šernas. Field studies of MSWI bottom ash as aggregate for unbound base course mixtures
15.45 - 16.00	Roberts Auzins, Ainars Paeglitis. Analysis of quality control plans for bridge over river Mazā Jugla according to COST TU 1406 methodology	15.45 - 16.00	Sven Sillamäe, Artu Ellmann and Sander Varbla. Geotechnical Analysis of Road Embankment Test Sections over Soft Peat Layer in Estonia	15.45 - 16.00	Raitis Šteinbergs and Māris Kliģis. Improving traffic safety by using Waze user reports	15.45 - 16.00	Oleksii Sokolov, Ivan Kopynets and Volodymyr Kaskiv. Fly ash as an alternative to limestone mineral powder in the asphalt concrete mixtures production
16.00 - 16.15	Saulius Zidlauskas, Mindaugas Augonis. Methodology for calculation of bridge safety factor in Lithuania	16.00 - 16.15	Ojārs Dārznieks, Māris Spilva and Mārtiņš Ābols. Road design and construction on low bearing capacity soils using piling method: experience of SLCC "Latvian State Roads"	16.00 - 16.15	Mindaugas Šeporaitis, Viktoras Vorobjovas and Audrius Vaitkus. Effect of the tangent element of horizontal alignment on driving speed in two lane rural road	16.00 - 16.15	Nauris Paulovskis. Asphalt concrete frost resistance according to fatigue resistance and stiffness criteria.
16.15 - 16.30	Indra Dziedatāja, Martins Damberg. Viaduct over the Lorupe ravine	16.15 - 16.30	Endijs Virsis, Ainārs Paeglitis and Atis Zariņš. Evaluation of the residual load-bearing capacity of the existing road using plate loading test	16.15 - 16.30	Gatis Ikaunieks, Gunta Krumina, Līva Volberga and Lauris Naumovs. The effect of display brightness on visual function for young and old drivers	16.15 - 16.30	Audrius Vaitkus, Rafal Mickevič and Ovidijus Šernas. Roller compacted concrete – best practice of Lithuania
16.30 - 16.45	Q&A	16.30 - 16.45	Q&A	16.30 - 16.45	Q&A	16.30 - 16.45	Q&A

Tuesday, August 24

Session 1.2 Future Mobility, Strategic Planning & Road Financing ALFA		Session 5.1 Road Routine Maintenance BETA 1		Session 2.5 Road Construction & Innovative Materials BETA 2		Session 4.2 Traffic Safety OMEGA	
9.00-9.15	Paulius Paplauskas, Audrius Vaitkus and Andrius Baltrušaitis. Pavement roughness deterioration dependency on the initial pavement roughness	9.00-9.15	Taisto Haavasoja, Pauli Nylander and Leena Puhakka. A Compact Road Weather Station	9.00-9.15	Ain Kendra and Riho Eichfuss. Dynatest LWD in Quality Control	9.00-9.15	Gábor Pauer, Nóra Krizsik, Szilárd Szigetzi and Zsolt Hamza. Identification and analysis of potential risk factors influencing the road safety level at designated pedestrian crossings
9.15-9.30	Marek Truu and Romet Raun. Utilizing effective technology in high-standard road defects inventory system in Estonia	9.15-9.30	Jānis Kastanovskis. Comparison of winter maintenance requirements (Estonia, Latvia, Lithuania)	9.15-9.30	Audrius Vaitkus, Dovydas Skrodenis, Ovidijus Šernas and Viktoras Vorobjovas. Surface texture and layer permeability of aquaplaning resistant asphalt pavements.	9.15-9.30	Maris Seflers. Traffic management solutions on non-signalised crosswalks in Latvia, effect on traffic safety.
9.30-9.45	Sukalpa Biswas, Alex Wright, John Proust, Tadas Andriejauskas, Carl Van Geem, Darko Kokot, Vania Marecos, Jose Barateiro, Shubham Bhusari and Uros Jovanovic. CODEC PROJECT: connected data for road infrastructure asset management	9.30-9.45	Mārt Puust, Tanel Jauris and Stanislav Metlitski. Road temperature forecasting model based on Big Data collected by public transport	9.30-9.45	Ivan Kopynets and Oleksii Sokolov. Reuse of polyethylene to improve the properties of asphalt concrete	9.30-9.45	Gernot Sauter, Marcel Doering and Rik Nuytens. High performance pavement markings enhancing Camera and LIDAR detection
9.45-10.00	Orestis Giamarellos and Tobias Reiff. European its platform - rethinking ITS	9.45-10.00	Kai Simson. Why it is important to have a correct Road Maintenance Termstock?	9.45-10.00	Judita Gražulytė, Audrius Vaitkus and Simona Bitarytė. Optimisation of nano-ZnO and nano-SiO2 mixing time for bitumen modification	9.45-10.00	Valentīna Barkova and Juris Smirnovs. Road traffic safety analysis of different junction types on the state roads
10.00-10.15	Salvis Skabs. Planning of State Road Renewal in the Context of Territorial Reform	10.00-10.15	Sander Varbla, Artu Ellmann and Raido Puust. Road deformation monitoring using unmanned aerial vehicles	10.00-10.15	Mantas Makulavicius and Henrikas Sivilevicius. Baltic countries mineral resources and aggregates used in transport infrastructure extraction analysis	10.00-10.15	Gunta Krumina, Līva Volberga, Gatis Ikaunieks and Lauris Naumovs. The development of brightness evaluation method for digital billboards and light objects
10.15-10.30	Q&A	10.15-10.30	Q&A	10.15-10.30	Q&A	10.15-10.30	Q&A

10.30-11.00 Break (1-2 filmiņas)

Session 2.6 Road Construction & Innovative Materials ALFA		Session 7.1 Environment, Climate Change & Energy Efficiency BETA 1		Session 6.2 Smart Road Solutions & ITS BETA 2		Dedicated session OMEGA	
11.00-11.15	Bartłomiej Grzesik, Marcin Grygierek, Przemysław Rokitowski, Zdzisław Adamczyk and Jacek Nowak. Adverse effects of flaming as a surface treatment method for stone slabs used in road pavements	11.00-11.15	Natalia Khrytonova. Sources of formation of micropollutants in the areas of highways influence	11.00-11.15	Paulius Baurėnas and Marius Čereška. Benefits and performance of the electronic journal of construction works	Conference of European Directors of Roads: projects & findings	
11.15-11.30	Romet Raun and Marek Truu. Motivational bonus-system based on pavement installation temperatures measured by thermographic system (TGS Pavement) in Estonia	11.15-11.30	Matija Zvonarić, Ivana Barišić, Tihomir Dokšanović and Martina Zagvozda. Cement bound waste rubber for sustainable pavements	11.15-11.30	Tanel Jauris, Mārt Puust and Stanislav Metlitski. Using factory-installed sensor systems for remote on-board weighing		
11.30-11.45	Arturs Riekstins, Janis Baumanis, Kristaps Krastins and Kristaps Kalinka. Assessment of surface characteristics for coarse aggregates by flowing coefficient method	11.30-11.45	Sanja Dimter, Martina Zagvozda, Miroslav Šimun and Tea Tonc. Construction of economical pavement structures with wood ash	11.30-11.45	Tanel Jauris. Using computer vision for measuring pedestrian and bicycle traffic on level railroad crossings		
11.45-12.00	Vilius Filotenkovas and Audrius Vaitkus. Theoretical Analysis Of The Effect Of Aggregate Shape And Structure On The Stiffness Of Unbound Base Layer	11.45-12.00	Ain Kendra. E-pavement development	11.45-12.00	Modestas Lukošiusas and Rolandas Mazalauškas. Automation of Issuing Process of Permit to Use Roads by Abnormal Transport		
12.00-12.15	Andrius Baltrušaitis, Audrius Vaitkus and Paulius Paplauskas. Asphalt pavement compaction control: relevance of laboratory and non-destructive testing methods	12.00-12.15	Q&A	12.00-12.15	Björn Zachrisson. Floating Car Data as input source for road maintenance		
12.15-12.30	Q&A	12.15-12.30	Q&A	12.15-12.30	Q&A		

12.30 - 14.00 Break (1-2 filmiņas)

14.00 - 15.30 Keynote session
Innovations & large scale projects

15.30 - 16.00 Break

16.00 - 17.00 Closing ceremony