

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 <i>Trends in road sector development – from global to local perspective</i>

12.00 - 13.30 Break

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 3M innovations & products OMEGA
Moderator: Verners Akimovs, Latvian State Roads	Moderator: Gints Alberīns, Latvian State Roads	Moderator: Raigo Randmaa, Estonian Transport Administration	Moderator: Māris Šeflers, 3M Latvia SIA
13.30 - 13.45 <i>Dace Bērziņa</i> . Construction of express roads in Latvian state main road network	13.30 - 13.45 <i>Asres S. Alamrew and Konrad Mollenhauer</i> . Advantages of filler and surfactant additive to improve moisture sensitivity of hot mix asphalt mixtures	13.30 - 13.45 <i>Taavi Tänts and Aivo Salum</i> . E-waybill using experience & development in Estonian state road building	13.30-14.15 Innovative and Sustainable Road Markings, Yesterday and Tomorrow
13.45 - 14.00 <i>Ilze Kristīne Apsalona, Verners Akimovs, Indra Mužniece and Liesma Grinberga</i> . The first highway infrastructure PPP project in the Baltic States according to DBFM model – challenges and opportunities	13.45 - 14.00 <i>Audrius Vaitkus, Rita Kleizienė and Martynas Karbočius</i> . ViaStructura – new way of pavement structure design	13.45 - 14.00 <i>Viktoras Lapinas and Mantas Kūšonas</i> . Less temptation to exceed the speed limit or towards Vision Zero	14.15-15.00 Traffic Signs For The Future. Help Bring Families Home Safely
14.00 - 14.15 <i>Justas Narbutas and Jolanta Nemanaitė-Gužienė</i> . Development of Via Baltica in Lithuania	14.00 - 14.15 <i>Michał Golas and Piotr Mazurowski</i> . Pavement optimisation with aggregate base or asphalt layers stabilised with hexagonal geogrids	14.00 - 14.15 <i>Boriss Jelisejevs and Kristjan Duubas</i> . The rolling out of international project SMART E263/E77 for advanced traffic management	
14.15 - 14.30 <i>Adam Zofka and Andrzej Maciejewski</i> . Implementation of road asset management in Poland	14.15 - 14.30 <i>Mukul Rathore, Viktors Haritonovs and Martins Zaumanis</i> . A critical review on mixing parameters for high content reclaimed asphalt mixtures	14.15 - 14.30 <i>Zigmārs Krūmiņš, Juris Smirnovs, Valentina Āmare and Roberts Auziņš</i> . Use of BIM in SLLC Latvian State Roads for process management	
14.30 - 14.45 <i>Darius Ražinskas and Aidas Saladžius</i> . Transformation of Lithuanian road charging	14.30 - 14.45 <i>Jānis Baumanis, Artūrs Riekstiņš and Andris Balodis</i> . Investigation of comparability of TSRS and SCB cracking tests for evaluation of low-temperature properties in asphalt mixtures and use in quality control	14.30 - 14.45 <i>Erko Puusaag and Anti Palmi</i> . 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

Session 3.1 Bridges ALFA	Session 2.2 Road Construction & Innovative Materials BETA 1	Session 4.1 Traffic Safety BETA 2	Session 2.4 Road Construction & Innovative Materials OMEGA
Moderator: Ainārs Paeglis, Riga Technical University	Moderator: Jānis Barbars, Latvian State Roads	Moderator: Juris Smirnovs, Riga Technical University	Moderator: Gints Alberīns, Latvian State Roads
15.30 - 15.45 <i>Felipe Collazos-Arias and David Garcia-Sanchez</i> . Adaptation and resilience from a maintenance perspective for swing bridge. Lessons learned in recent retrofitting project experiences	15.30 - 15.45 <i>Andrejs Taranovs</i> . Falling weight deflectometer and plate load test: direct and indirect comparative testing	15.30 - 15.45 <i>Laura Gavėnienė, Laura Jateikienė and Donatas Čygas</i> . Implementation and efficiency of average speed enforcement systems on Lithuanian roads	15.30 - 15.45 <i>Judita Gražulytė, Audrius Vaitkus and Ovidijus Šernas</i> . Field studies of MSWI bottom ash as aggregate for unbound base course mixtures
15.45 - 16.00 <i>Roberts Auziņš, Ainārs Paeglis</i> . Analysis of quality control plans for bridge over river Mazā Jugla according to COST TU 1406 methodology	15.45 - 16.00 <i>Sven Sillamäe, Artu Ellmann and Sander Varbla</i> . Geotechnical analysis of road embankment test sections over soft peat layer in Estonia	15.45 - 16.00 <i>Raitis Šteinbergs and Māris Klīģis</i> . Improving traffic safety by using Waze user reports	15.45 - 16.00 <i>Nauris Paulovskis</i> . Asphalt concrete frost resistance according to fatigue resistance and stiffness criteria.
16.00 - 16.15 <i>Saulius Zadiuskas, Mindaugas Augonis</i> . Methodology for calculation of bridge safety factor in Lithuania	16.00 - 16.15 <i>Ojārs Dārziņš, Māris Spilva and Mārtiņš Ābols</i> . Road design and construction on low bearing capacity soils using piling method: experience of SLLC "Latvian State Roads"	16.00 - 16.15 <i>Mindaugas Šeporaitis, Viktoras Vorobjovas and Audrius Vaitkus</i> . Effect of the tangent element of horizontal alignment on driving speed in two lane rural road	16.00 - 16.15 <i>Audrius Vaitkus, Rafal Mickevič and Ovidijus Šernas</i> . Roller compacted concrete – best practice of Lithuania
16.15 - 16.30 <i>Indra Dziedātāja, Mārtiņš Damberg</i> . Viaduct over the Lorupe ravine	16.15 - 16.30 <i>Endijs Virsis, Ainārs Paeglis and Atis Zariņš</i> . Evaluation of the residual load-bearing capacity of the existing road using plate loading test	16.15 - 16.30 <i>Gatis Ikaunieks, Gunta Krūmiņa, Līva Volberga and Lauris Naumovs</i> . The effect of display brightness on visual function for young and old drivers	16.15 - 16.30 Q&A
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
Moderator: Liesma Grinberga, Latvian State Roads	Moderator: Aldis Lācis, Latvian State Roads	Moderator: Viktors Haritonovs, Riga Technical University	Moderator: Juris Smirnovs, Riga Technical University
9.00-9.15 <i>Paulius Pajauskas, Audrius Vaitkus and Andrius Baltrušaitis</i> . Pavement roughness deterioration dependency on the initial pavement roughness	9.00-9.15 <i>Taisto Haavasoja, Pauli Nylander and Leena Puhakka</i> . A compact road weather station	9.00-9.15 <i>Ain Kendra and Riho Eichfuss</i> . Dynatest LWD in quality control	9.00-9.15 <i>Gábor Pauer, Nóra Krizsik, Szilárd Sziget and Zsolt Hamza</i> . Identification and analysis of potential risk factors influencing the road safety level at designated pedestrian crossings
9.15-9.30 <i>Marek Truu and Romet Raun</i> . Utilizing effective technology in high-standard road defects inventory system in Estonia	9.15-9.30 <i>Jānis Kastanovskis</i> . Comparison of winter maintenance requirements (Estonia, Latvia, Lithuania)	9.15-9.30 <i>Audrius Vaitkus, Dovydas Skrodenis, Ovidijus Šernas and Viktoras Vorobjovas</i> . Surface texture and layer permeability of aquaplaning resistant asphalt pavements.	9.15-9.30 <i>Māris Šeflers</i> . Zebra crossing equipment and condition on non-signalised pedestrian crossings in Latvia.
9.30-9.45 <i>Sukalpa Biswas, Alex Wright, John Proust, Tadas Andriejauskas, Carl Van Geem, Darko Kokot, Vania Marecos, Jose Barateiro, Shubham Bhusari and Uras Jovanovic</i> . CoDEC PROJECT: connected data for road infrastructure asset management	9.30-9.45 <i>Märt Puust, Tanel Jauris and Stanislav Metlitski</i> . Road temperature forecasting model based on Big Data collected by public transport	9.30-9.45 <i>Judita Gražulytė, Audrius Vaitkus and Simona Bitarytė</i> . Optimisation of nano-ZnO and nano-SiO <sub>2</sub> mixing time for bitumen modification	9.30-9.45 <i>Gernat Sauter, Marcel Doering and Rik Nuyttens</i> . High performance pavement markings enhancing Camera and LiDAR detection
9.45-10.00 <i>Orestis Giamarellos and Tobias Reiff</i> . European ITS platform - rethinking ITS	9.45-10.00 <i>Kai Simson</i> . Why it is important to have a correct road maintenance termstock?	9.45-10.00 <i>Mantas Makulavičius and Henrikas Sivilevičius</i> . Baltic countries mineral resources and aggregates used in transport infrastructure extraction analysis	9.45-10.00 <i>Valentina Āmare and Juris Smirnovs</i> . Road traffic safety analysis of different junction types on the state roads
10.00-10.15 <i>Salvis Skabs</i> . Planning of state road renewal in the context of territorial reform	10.00-10.15 <i>Sander Varbla, Artu Ellmann and Raigo Puust</i> . Road deformation monitoring using unmanned aerial vehicles	10.00-10.15 Q&A	10.00-10.15 <i>Gunta Krūmiņa, Līva Volberga, Gatis Ikaunieks and Lauris Naumovs</i> . 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

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 Conference of European Directors of Roads: projects & findings OMEGA
Moderator: Viktors Haritonovs, Riga Technical University	Moderator: Alvaras Vilkelis, Lithuanian Road Administration	Moderator: Boriss Jelisejevs, Latvian State Roads	Moderator: Jānis Barbars, Latvian State Roads
11.00-11.15 <i>Bartłomiej Grzesik, Marcin Grygierek, Przemysław Rokitowski, Zdzisław Adamczyk and Jacek Nowak</i> . Adverse effects of flaming as a surface treatment method for stone slabs used in road pavements	11.00-11.15 <i>Matija Zvonarič, Ivana Barišič, Tihomir Dokšanović and Martina Zagvozda</i> . Cement bound waste rubber for sustainable pavements	11.00-11.15 <i>Paulius Baurėnas and Marius Čereška</i> . Benefits and performance of the electronic journal of construction works	11.00-11.20 <i>Risto Kulmala</i> . MANTRA - Making full use of Automation for National road Transport Authorities
11.15-11.30 <i>Romet Raun and Marek Truu</i> . Motivational bonus-system based on pavement installation temperatures measured by thermographic system (TGS Pavement) in Estonia	11.15-11.30 <i>Sanja Dimter, Martina Zagvozda, Miroslav Šimun and Tea Tonc</i> . Construction of economical pavement structures with wood ash	11.15-11.30 <i>Tanel Jauris, Märt Puust and Stanislav Metlitski</i> . Using factory-installed sensor systems for remote on-board weighing	11.20-11.40 <i>Dr. Dusan Isailovic, Markus Stoeckner</i> . AMSFree -Exchange and exploitation of data from Asset Management Systems using vendor free format
11.30-11.45 <i>Artūrs Riekstiņš, Jānis Baumanis, Kristaps Krastiņš and Kristaps Kalinka</i> . Assessment of surface characteristics for coarse aggregates by flowing coefficient method	11.30-11.45 <i>Ain Kendra</i> . E-pavement development	11.30-11.45 <i>Tanel Jauris</i> . Using computer vision for measuring pedestrian and bicycle traffic on level railroad crossings	11.40-12.00 <i>Jean-Pierre Clairbois</i> . SOPRANOISE - Securing and Optimizing the Performance of Road traffic NB with New methods and In-Situ Evaluation
11.45-12.00 <i>Vilius Filatenkovas and Audrius Vaitkus</i> . Theoretical analysis of the effect of aggregate shape and structure on the stiffness of unbound base layer	11.45-12.00 Q&A	11.45-12.00 <i>Modestas Lukošius and Rolandas Mazaliauskas</i> . Automation of issuing process of permit to use roads by abnormal transport	12.00-12.20 <i>Conor McGrath, Marco Mulder</i> . SANA-4U - Safety in Non-Urban Areas for VRU
12.00-12.15 <i>Audrius Baltrušaitis, Audrius Vaitkus and Paulius Pajauskas</i> . Asphalt pavement compaction control: relevance of laboratory and non-destructive testing methods	12.00-12.15 Q&A	12.00-12.15 <i>Björn Zachrisson</i> . Floating Car Data as input source for road maintenance	12.20-12.30 Q&A
12.15-12.30 Q&A	12.15-12.30 Q&A	12.15-12.30 Q&A	

12.30 - 14.00 Break

14.00 - 15.30 Keynote session  
*Innovations & large scale projects*

15.30 - 16.00 Break

16.00 - 17.00 Closing ceremony