

CONFERENCE PROGRAMME

Monday, August 23

8.00 - 9.00 Registration of participants in conference website

9.00 Opening of the Conference

10.00 - 12.00 Keynote session *Trends in road sector development – from global to local perspective*

12.00 - 13.30 Break

Session 1.1 Future Mobility, Strategic Planning & Road Financing		Session 2.1 Road Construction & Innovative Materials		Session 6.1 Smart Road Solutions & ITS		Session 4.1 Traffic Safety	
13.30 - 13.45	Dace Berzina. Construction of Express Roads in Latvian State Main Road Network	13.30 - 13.45	Audrius Vaitkus, Dovydas Skrodenis, Ovidijus Šernas and Viktoras Vorobjovas. Low noise and resistant to aquaplaning asphalt pavements	9.00-9.15	Taavi Tõnts. E-waybill using experience & development in Estonian state road building	13.30 - 13.45	Laura Gavėnienė, Laura Jateikiėnė and Donatas Cygas. Implementation and efficiency of average speed enforcement systems on Lithuanian roads
13.45 - 14.00	Ilze Kristine Apalone, Verners Akimovs, Mārtiņš Lazdovskis	13.45 - 14.00	Audrius Vaitkus, Rafal Mickevič and Ovidijus Šernas. Roller Matija Zvonarič, Ivana Barišič, Tihomir Dokšanovič and	9.15-9.30	Viktoras Lapinas and Mantas Kišonas. Less Temptation to	13.45 - 14.00	Raitis Šteinbergs and Māris Klīģis. Improving traffic safety by
14.00 - 14.15	Justas Norbutas. Development of Via Baltica in Lithuania	14.00 - 14.15	Martina Zagvozda. Cement bound waste rubber for sustainable pavements	9.30-9.45	Boriss Jelsejevs and Kristjan Duubas. The rolling out of international project SMART E263/E77 for advanced traffic management	14.00 - 14.15	Audrius Vaitkus. Effect of the tangent element of horizontal alignment on driving speed in two lane rural road
14.15 - 14.30	Mari Jüssi, Martin Lengi and Erik Ernits. Developing evidence based decision making for sustainable mobility patterns in Estonia	14.15 - 14.30	Asres S. Alanrew and Konrad Mollenhauer. Advantages of filler and surfactant additive to improve moisture sensitivity of Hot Mix Asphalt mixtures.	9.45-10.00	Zigmārs Krūmiņš, Juris Smirnovs, Valentīna Barkova and Roberts Auziņš. Use of BIM in SISC Latvian State roads for process management	14.15 - 14.30	Ingo Kossmann and Benjamin Schreck-von Below. Safe coexisting of bicycles and motor vehicles on urban roads
14.30 - 14.45	Darius Ražinskas and Aidās Saladzius. Transformation of Lithuanian Road Charging	14.30 - 14.45	Audrius Vaitkus, Judita Gražulytė, Ovidijus Šernas and Viktoras Vorobjovas. Modular pavements for pedestrian and bicycle paths: from idea to reality	10.00-10.15	Erko Puusaag and Anti Palmi. Implementing Building Information Management (BIM) in Estonian Road Administration	14.30 - 14.45	Adeyemi Ajayi. Road deaths trends during the Covid-19 pandemic: Prioritising and implementing of the strategic measures for sustainable road safety development
14.45 - 15.00	Q&A	14.45 - 15.00	Q&A	10.15-10.30	Q&A	14.45 - 15.00	Q&A

15.00 - 15.30 Break

Session 3.1 Bridges		Session 2.2 Road Construction & Innovative Materials		Session 2.3 Road Construction & Innovative Materials		Session 2.4 Road Construction & Innovative Materials	
15.30 - 15.45	Felipe Collazos-Arias and David Garcia-Sanchez. SWING BRIDGE DESIGNS AND 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	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	15.30 - 15.45	Judita Gražulytė, Audrius Vaitkus and Ovidijus Šernas. Field studies of MSWI bottom ash as aggregate for unbound base course
15.45 - 16.00	Roberts Auzins, Ainārs Paegļitis. ANALYSIS OF QUALITY CONTROL PLANS FOR BRIDGE OVER SALACA RIVER ACCORDING TO COST TU 1406 METHODOLOGY	15.45 - 16.00	Audrius Vaitkus, Rita Kleizienė and Martynas Karbočius. ViaStructura – new way of pavement structure design	15.45 - 16.00	Mukul Rathore, Kaspars Kalnins, Viktors Haritonovs and Martins Zaumanis. Effect of short-term conditioning on fracture performance of high content reclaimed asphalt mixtures using digital image correlation	15.45 - 16.00	Oleksii Sokolov, Ivan Kopnynets and Volodymyr Kaskiv. FLY ASH AS AN ALTERNATIVE TO LIMESTONE MINERAL POWDER IN THE ASPHALT CONCRETE MIXTURES PRODUCTION
16.00 - 16.15	Saulius Zadauskas, Mindaugas Augonis. METHODOLOGY FOR CALCULATION OF BRIDGE SAFETY FACTOR IN LITHUANIA	16.00 - 16.15	Ojārs Dārziņš, Māris Spilva and Mārtiņš Ābols. Road design and construction on low bearing capacity soils using piling method: experience of SLLC "Latvian State Roads"	16.00 - 16.15	Anik Gupta, Jorge Rodriguez-Hernandez and Daniel Castro-Fresno. Influence of glass fibers on the low temperature strength of the porous asphalt mixtures	16.00 - 16.15	Sanja Dimter, Martina Zagvozda, Miroslav Šimun and Tea Tonc. Construction of economical pavement structures with wood ash
16.15 - 16.30	Indra Dziedataja, Martins Dambergers. Viaduct over the Lorupe ravine	16.15 - 16.30	Endijs Virsis, Ainārs Paegļitis and Atis Zariņš. EVALUATION OF THE RESIDUAL LOAD-BEARING CAPACITY OF THE EXISTING ROAD USING PLATE LOADING TEST	16.15 - 16.30	Arturs Riekstins, Janis Baumanis, Kristaps Krastins and Kristaps Kalinka. Assessment of surface characteristics for coarse aggregates by flowing coefficient method	16.15 - 16.30	Sven Sillamäe, Artu Ellmann and Sander Varbla. Geotechnical Analysis of Road Embankment Test Sections over Soft Peat Layer in Estonia
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		Session 5.1 Road Routine Maintenance		Session 2.5 Road Construction & Innovative Materials		Session 4.2 Traffic Safety	
9.00-9.15	Paulius Paplauskas, Audrius Vaitkus and Andrius Baltrušaitis. DYNAMIC PAVEMENT CONDITION SURVEY AS MAJOR COMPONENT OF PAVEMENT MANAGEMENT SYSTEM	9.00-9.15	Taisto Haavoja. A Compact Road Weather Station	13.30 - 13.45	Ain Kendra and Riho Eichfuss. Dynatest LWD in Quality Control	9.00-9.15	Gábor Pauer, Nóra Krizsik, Szilárd Szigei and Tamás Berta. Identification and analysis of potential risk factors influencing the rate of giving priority 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	Eyal Levenberg. Pavement condition monitoring with temperature sensors	13.45 - 14.00	Michał Gólos and Piotr Mazurowski. Pavement optimisation with aggregate base or asphalt layers stabilised with hexagonal geogrids	9.15-9.30	Maris Sellers. 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 Marcoco, Jose Barateiro and Shubham Bhusari. 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	14.00 - 14.15	Ivan Kopnynets and Oleksii Sokolov. REUSE OF POLYETHYLENE TO IMPROVE THE PROPERTIES OF ASPHALT CONCRETE	9.30-9.45	Gernot Sauter, Marcel Doering and Rik Nuytten. High performance pavement markings enhancing Camera and LIDAR detection
9.45-10.00	Adam Zofka and Andrzej Maciejewski. Implementation of road asset management in Poland	9.45-10.00	Audrius Vaitkus and Lina Juknevičiūtė-Žilinskienė. Effective and Environmental Friendly Winter Maintenance: Case Study of Vilnius City	14.15 - 14.30	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	Salkis Skabs. Planning of State Road Renewal in the Context of Territorial Reform	10.00-10.15	Dario Babic, Darko Babic and Mario Fiolić. Decade of road markings and road signs quality testing in Croatia	14.30 - 14.45	Mantas Makulavičius and Henrikas Svilėvičius. BALTIC COUNTRIES MINERAL RESOURCES AND AGGREGATES USAGE ANALYSIS	10.00-10.15	Gunta Krumina, Liva Volberga, Gatis Ikaunieks and Lauris Naumovs. The development of brightness evaluation method for digital billboards and light objects
10.15-10.30	Justas Norbutas. Development of Via Baltica in Lithuania	10.15-10.30	Q&A	14.45 - 15.00	Q&A	10.15-10.30	Gatis Ikaunieks, Gunta Krumina, Liva Volberga and Lauris Naumovs. The effect of display brightness on visual function for young and old drivers

10.30-11.00 Coffee break

Session 2.6 Road Construction & Innovative Materials		Session 5.2 Road Routine Maintenance		Session 6.2 Smart Road Solutions & ITS		Session 7.1 Environment, Climate Change & Energy Efficiency	
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	Sander Varbla, Artu Ellmann and Raido Puust. Road deformation monitoring using unmanned aerial vehicles	11.00-11.15	Tobias Reiff and Orestis Giamarellos. EUROPEAN ITS PLATFORM - RETHINKING ITS	11.00-11.15	Natalia Kharytonova. Sources of formation of micropollutants in the areas of highways/influence
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	Jānis Kastenovskis. Comparison of winter maintenance requirements (Estonia, Latvia, Lithuania)	11.15-11.30	Tanel Jauris, Mārt Puust and Stanislav Metlitski. Using factory-installed sensor systems for remote on-board weighing	11.15-11.30	Janusz Bohatkiewicz, Marcin Dębski, Aleksandra Cybulska. The use of renewable energy sources in a road lane on the example of the network of national roads and motorways in Poland
11.30-11.45	Timo Tsefels. COMPARATIVE LABORATORY ANALYSIS OF GRAVEL AND SAND PROPERTIES WITH LWD AND CBR EQUIPMENT	11.30-11.45	Boriss Jelsejevs. Transformation of customer relationship management towards the reform of road routine maintenance in Latvia	11.30-11.45	Tanel Jauris. Using computer vision for measuring pedestrian and bicycle traffic on level railroad crossings	11.30-11.45	Marcin Wrótny, Janusz Bohatkiewicz. Studies on the impact of road and railway noise on people and the environment.
11.45-12.00	Vilius Filitenkovas and Audrius Vaitkus. Theoretical Analysis Of The Effect Of Aggregate Shape And Structure On The Stiffness Of Unbound Base Layer	11.45-12.00	Martynas Jurkevičius and Virgaudas Puodžiūkas. Impact of surface treatment with leveling layer of asphalt on overall road condition and performance	11.45-12.00	Andres Nurme. Wildlife crossing	11.45-12.00	Karl Hendrik Holst, Maris Kruse, Tõnu Oja, Ragne Erimäe, Peeter Anijalg, Urmas Saarna, Harri Valdmann. The barrier effect of roads and traffic on moose (Alces alces) movements in the forest belt of Central Estonia
12.00-12.15	Andrius Baltrušaitis, Audrius Vaitkus and Paulius Paplauskas. Comparison of Asphalt Pavement compaction quality determination Using Ground Penetrating Radar and other traditional and non-destructive testing methods	12.00-12.15	Kai Simson. Why it is important to have a correct Road Maintenance Termstock?	12.00-12.15	Modestas Lukošius and Rolandas Mazaliauskas. Automation of Permit Issuing Process to Drive on Roads by Abnormal Transport	12.00-12.15	Ain Kendra. E-pavement development
12.15-12.30	Q&A	12.15-12.30	Q&A	12.15-12.30	Paulius Baurėnas and Marius Čerėška. BENEFITS AND PERFORMANCE OF THE ELECTRONIC JOURNAL OF CONSTRUCTION WORKS	12.15-12.30	Sanita Muizniece. Cyclists as a Part of Transportation System

12.30 - 14.00 Break

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

15.30 - 16.00 Break

15.00 - 17.00 Closing ceremony