

**06 November 2019****11.00****The official opening ceremony of the 18th International Trade Fair on Projection, Building and Exploitation of Motor Roads and Bridges AVTODOREXPO****Venue:** entrance area of the pavilion**12.00-13.30****Seminar Achieving perfect pavement with the use of Volvo CE machinery****Venue:** RED Conference room (2nd floor)**Organizer:** ETS Company, the exclusive dealer of Volvo CE road construction machinery in Ukraine

Mohamad Jammul, the world's leading expert on paving, will tell in detail about the factors that directly affect the quality of paving, the advantages and features of tuning Volvo CE pavers, the principles of using the Leveling System and much more, which will allow you to build roads of the highest quality at the maximum level comfort and safety.

**FREE ATTENDANCE****12.00 – 17.00****International Research-to-Practice Conference ADVANCED MATERIALS AND TECHNOLOGIES FOR MOTOR ROAD CONSTRUCTION AND MAINTENANCE****Day 1****Venue:** BLUE Conference room (1st floor)**Organizer:** M. P. Shulgin State Road Research Institute (DerzhdorNDI)**12.00-12.05** OPENING

Artem Bezuglyi, Director, M. P. Shulgin State Road Research Institute (DerzhdorNDI); Ph.D.

**TOPICAL ROAD INDUSTRY ISSUES****12.05-12.15** Normative and technological support of road construction

Anatoliy Tsynka, First Deputy Director, DerzhdorNDI

**12.15-12.30** Modern approaches to winter maintenance of motor roads

Volodymyr Kaskiv, Deputy Director for Scientific Work, DerzhdorNDI; Ph.D.

**12.30-12.40** Practical aspects of implementing WiM systems in Ukraine

Serhii Illiash, Head of Department of Normative and Technological Support of Road Works, DerzhdorNDI

**ASPHALT CONCRETES ENSURING PAVEMENT DURABILITY****12.40-12.55** Basic approaches to setting production and consolidation temperatures for asphalt concrete mixtures

Ivan Kopynets, Head of Bituminous Binder and Asphalt Department, DerzhdorNDI

**12.55-13.05** Investigation of physical and mechanical, thermal and rheological properties of epoxy asphalt concrete for its use as thin coating for road applications

Artur Onyshchenko, Head of Department of Bridges and Tunnels, National Transport University; D.Sc.

Oleh Fedorenko, Acting Head of State Road Agency of Ukraine (Ukravtodor)

Volodymyr Zelenovskiy, Junior Research Scientist, DerzhdorNDI

13.05–13.20 Guss asphalt roads

Vitalii Prykladovskiy, Head of Laboratory, Mist construction company

### **MODERN APPROACHES TO CONCRETE PAVING**

13.20–13.35 International practices and modern approaches to concrete paving

Vasyl Nahaichuk, Chief Research Scientist, DerzhdorNDI; Ph.D.

Boris Radovskiy, D.Sc., Professor (Los Angeles, USA)

13.35–13.45 New approaches to design and construction of rigid pavements

Ihor Babyak, Head of Department of Transport Facilities and Cement Structures, DerzhdorNDI; Ph.D.

13.45–13.55 Roller compacted zero-slump concrete mixtures for road construction

Viacheslav Semenenko, postgraduate, Kharkiv National Automobile and Highway University

### **TRANSPORT FACILITIES**

13.55–14.10 Bridge deck slabs made of hybrid reinforced concrete

Petro Koval, Leading Research Scientist of Department of Bridge Management, DerzhdorNDI; Ph.D.

Serhii Zavorodnii, Research Scientist of Department of Bridge Management, DerzhdorNDI

14.10–14.40 Use of special concrete repair mixtures by Minova Ekochem

Wojtek Wojcik, Minova (Poland)

14.40–15.10 Advanced technologies and special equipment by Morath

Azar Ragan, Morath (Germany)

15.10–15.25 Use of Analytical Expert Bridge Management System (AESUM software) for planning repairs and upgrades of public road bridges

Larysa Bodnar, Head of Department of Bridge Management, DerzhdorNDI

15.25–15.40 Evolution of transport facilities design and information modeling within CREDO software system

Vladimir Karedin, Head of Design Division, Credo-Dialogue

### **ECOLOGY**

15.40–16.00 Highway and railway Plexiglas noise control barriers

Technical representative, Evonik

### **ROAD TRAFFIC SAFETY**

16.00–16.15 Road safety audit in Ukraine

Kostiantyn Shcherbachenko, Head of Ukrainian Association of Road Safety Auditors NGO

16.15–16.25 Implementation of best traffic safety improvement practices on motor roads of Ukraine

Tetiana Bondar, Head of Traffic Safety Department, DerzhdorNDI

Liudmyla Nahrebelna, Research Scientist of Traffic Safety Department, DerzhdorNDI

Oleksii Petrashenko, Junior Research Scientist of Traffic Safety Department, DerzhdorNDI

16.25–16.40 Introduction of traffic calming measures in Kyiv, Ukraine

Oleksandr Gustieliev, Director General, Kyivavtodor public utility corporation

Valentyn Osypov, Deputy Director General, Kyivavtodor public utility corporation; Ph.D.

16.40–16.50 Calculating road condition ratings using the International Roughness Index (IRI)

Vitalii Raikovskii, Head of Division of Scientific and Technical Support, DerzhdorNDI

16.50–17.00 Forensics in road industry

Sergii Neizvestnyi, Head of Conformance Evaluation Department, DerzhdorNDI

### **FREE ATTENDANCE**

07 November 2019

10.30 – 17.00

**International Research-to-Practice Conference ADVANCED MATERIALS AND TECHNOLOGIES FOR MOTOR ROAD CONSTRUCTION AND MAINTENANCE**

**Day 2**

**Venue:** BLUE Conference room (1st floor)

**Organizer:** M. P. Shulgin State Road Research Institute (DerzhdorNDI)

**BITUMEN QUALITY AND THE WAYS TO IMPROVE IT**

10.30–10.50 European practices of integrated modification of bitumens with synthetic waxes and SBS polymers

Dr. Thorsten Butz, Head of Laboratory, Sasol Wax (Germany)

Oleksii Volis, Chief Technical Officer

10.50–11.00 Presentation of NOURYON

Per Ahlund, Marketing & Sales Manager, Nouryon

11.00–11.15 Adhesive modifiers for different types of bitumen concrete

Olena Stepaniuk, Manager, Spetskontract

11.15–11.30 Elvaloy@DuPont: first polymer modifier in Ukraine with 20 years of proven performance

Larysa Stoliarova, Director General, Lakket

11.30–11.45 Flexible pavement materials and technologies

Oleksandr Kushnir, Director, IPT Production

**ADVANCED FLEXIBLE PAVEMENT TECHNOLOGIES**

11.45–12.00 Evaluation of durability of bridge deck pavements made of asphalt concrete reinforced with basalt fibers

Yevhen Plazii, Deputy Director General, Technobasalt-Invest

12.00–12.30 Continuous paving technologies for construction of asphalt concrete roads

Oleksii Cherepkov, Zeppelin Ukraine

12.30–13.00 Full depth stabilization / regeneration

Roman Bobrovskyi, Zeppelin Ukraine

13.00–13.15 Evolution of US practices of using recycled materials for production of asphalt concrete mixtures

Sergey Dymov, Sales Director Northern and Eastern Europe, Gencor

**RECENT ROAD CONSTRUCTION ISSUES IN UKRAINE**

13.15–13.30 Recent road construction issues in Ukraine: regulation and engineering solutions

Oleksandr Kryzhanivskyi, Leading Expert, National Expert-Building Alliance of Ukraine

**ADVANCED SOLUTIONS FOR MAINTENANCE OF TRANSPORT INFRASTRUCTURE FACILITIES**

13.30–13.50 Comprehensive solutions for construction, renovation and reinforcement of bridge structures using materials by MAPEI TM

Serhii Bohdan, Head of Construction Department, Mapei Ukraine

**ASPHALT PLANTS**

13.50–14.05 New player in economy class asphalt plants market segment

Fatih Sahin, Ukraine Sales Representative, Marini Makina

14.05-14.20 New asphalt mixing plants and modernization of older ones by Kredmash  
Serhii Perepelchenko, Deputy Chief Design Engineer, Kremenchuk Plant of Road Machines

### **ADVANCED ROAD SAFETY IMPROVEMENT**

14.20-14.40 Advanced road safety measures  
Andrii Yevdokimov, Director, PASS+KO UA

14.40-14.55 Road signs and markings by 3M. Correct choice of materials  
Dmytro Tumarkin, 3M Ukraine

### **GEOSYNTHETICS**

14.55-15.25 Recent discoveries in geosynthetics world  
Oleksandr Gorbatko, Engineer, Euroizol Geosynthetics

15.25-15.40 Efficiency of soil structures reinforced by geogrids  
Pavlo Kharin, Head of Project Team, Uniprom  
Olena Usychenko, Associate Professor of Department of Transport Construction and Property Management, National Transport University; Ph.D.

15.40-16.00 Geosynthetics for roadbed construction on a weak base  
Janusz Sobolewski, Chief Geotechnical Engineer, Westhem Group; D.Sc.

16.00-16.20 Use of products by KambiBlock TM for construction of retaining walls for transport infrastructure projects  
Vasyl Kholodniuk, Deputy Director for Construction and Regional Development, Kambio-Invest

16.20-16.40 Use of Adfors GlasGrid® fiberglass geogrids to prevent distress in and extend longevity of asphalt concrete pavements in Ukraine and European countries  
Milan Zahalka, Product Manager GlassGrid Europe, SAINT-GOBAIN ADFORS CZ s.r.o. (Czech Republic)  
Stanislav Peknik, report translator, Sales Manager Eastern Europe, SAINT-GOBAIN ADFORS CZ s.r.o. (Czech Republic)  
Oleh Tsekhanskyi, co-speaker, Head Asphalt Concrete Reinforcing Geogrids, Caponier-Group (Ukraine); Ph.D.

### **STONE MASTIC ASPHALT**

16.40-17.00 Enhancing performance of stone mastic asphalt mixtures using cellulose fibers and Selenizza natural bitumen  
Svitlana Reneiska, Director, Dortek

### **FREE ATTENDANCE**

**16.00**

**Prize drawing: Metabo Basic 250 Compressor**

**Venue:** entrance area of the pavilion

**Organizer:** Organizing Committee of the AVTODOREXPO Forum

When visiting the AUTODOREXPO forum, leave your business card in the lottery drum and take part in the drawing of a valuable and useful prize – the oil-free Metabo Basic 250 compressor. To get ones prize, the participant of the drawing must be present personally in the prize drawing area at the time the winner is determined.