



UNIVERSITY OF ŽILINA

transcom²⁰²¹

**CONFERENCE
PROGRAMME**

26 – 28 May 2021
VIRTUAL EVENT

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CONFERENCE SCHEDULE

DATE	DAY	TIME (CET)	PROGRAMME
26 May 2021	Wednesday	9:00 AM – 9:10 AM	OPENING SESSION
		9:10 AM – 9:30 AM	PLENARY SESSION / KEYNOTE_1
		9:30 AM – 11:30 AM	PARALLEL SESSIONS
		12:30 PM – 15:30 PM	PARALLEL SESSIONS
		16:00 PM – 18:30 PM	PARALLEL SESSIONS / KEYNOTE_2
27 May 2021	Thursday	9:00 AM – 11:30 AM	PARALLEL SESSIONS
		12:30 PM – 15:30 PM	PARALLEL SESSIONS
		16:00 PM – 18:30 PM	PARALLEL SESSIONS
28 May 2021	Friday	9:00 AM – 11:30 AM	PARALLEL SESSIONS
		11:30 AM – 12:00 AM	CLOSING SESSION

26 – 28 May 2021 VIRTUAL EVENT
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The MS TEAMS meeting link to OPENING SESSION: www.transcom-conference.com/go/open

KEYNOTE_1

Prof. Andrea Segalini
University of Parma (IT)

The title:

Role of geotechnical monitoring in civil engineering activities: modern approaches and future developments

PLENARY SESSION

Wednesday, 26 May 2021

9:10 AM

The MS TEAMS meeting link to PARALLEL SESSION – TOPIC 2: www.transcom-conference.com/go/s2c

KEYNOTE_2

Ing. Michal Jambor, PhD.
Ústav fyziky materiálů AV ČR v.v.i. (CZ)

The title:

Effect of solution annealing on fatigue crack propagation in the AISI 304L TRIP steel

PARALLEL SESSION: TOPIC 2

Wednesday, 26 May 2021

16:00 PM

The MS TEAMS meeting link to CLOSING SESSION: www.transcom-conference.com/go/close

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TOPIC 1: Operation and Economics in Transport

The MS TEAMS meeting link to PARALLEL SESSION – TOPIC 1: www.transcom-conference.com/go/s1a

Wednesday, 26 May 2021
9:30 AM – 11:30 AM

Chairman: prof. Ing. Radovan Madleňák, PhD.
Co-Chairman: prof. dr hab. inž. Zenon Zamiar

The investigation of eco-driving possibilities in passenger car used in urban traffic

Jacek Caban (PL)

Comparison of fuel consumption of a passenger car depending on the driving style of the driver

Michal Loman (SK), Branislav Šarkan (SK), Tomáš Skrúcaný (SK)

Use of electromobility and autonomous vehicles at airports in Europe and worldwide

Ambróz Hájnik (SK), Alica Kalašová (SK), Veronika Harantová (SK)

Proposal for a change in the type of devices used for submitting of postal items by using the Saaty's method, a case study for the postal sector

Dominika Koncová (SK), Iveta Kremeňová (SK), Juraj Fabuš (SK)

Reducing Emissions from Aviation and Their Impact on Aviation Work in Agriculture

Ľubomír Kováčik (SK), Andrej Novák (SK), Tomasz Lusiak (PL)

Measuring the impact of digital technologies on transport industry – macroeconomic perspective

Roman Chinoracký (SK), Jana Kurotová (SK), Patrícia Janošková (SK)

Road pricing adaptation to era of autonomous and shared autonomous vehicles: Perspective of Brazil, Jordan, and Azerbaijan

Mohamad Shatanawi (HU), Maen Ghadi (HU), Ferenc Mészáros (HU)

New approach to defining the term Space Traffic Management based on linguistic analysis

Dominik Mrňa (SK), Michal Hruz (SK)

Attitudes of Bratislava citizens to be a crowd-shipping non-professionals courier

Andrii Galkin (UA)

Diagnostic and repair centers locating methodology for vehicles carrying sensitive cargo

Ludmiła Filina-Dawidowicz (PL), Piotr Trojanowski (PL)

TOPIC 1: Operation and Economics in Transport

The MS TEAMS meeting link to PARALLEL SECSION – TOPIC 1: www.transcom-conference.com/go/s1b

Wednesday, 26 May 2021
12:30 PM – 15:30 PM

Chairman: prof. Borna Abramović, PhD.
Co-Chairman: prof. Ing. Anna Dolinayová, PhD.

Software support of city logistics' processes

David Šourek (CZ)

Impacts of Water Transport Development on the Economy and Society

Martin Jurkovič (SK), Tomáš Kalina (SK), Karol Morvay (SK), Martin Hudcovský (SK), Piotr Gorzelanczyk (PL)

Impact of the COVID-19 pandemic on employment in transport and telecommunications sectors

Katarína Štalmachová (SK), Mariana Strenitzerová (SK)

A statistical value of a human life in Slovakia

Ambróz Hájnik (SK), Kristián Čulík (SK), Alica Kalašová (SK), Simona Skřivánek Kubíková (SK)

Impact of COVID-19 on bus and urban public transport in SR

Jozef Gnap (SK), Renáta Czódöröová (SK), Marek Dočkalík (SK)

Consequences of the sharing economy on passenger transport

Miriám Garbárová (SK), Lukáš Vartiak (SK)

Research of bus transport demand and its factors using multicriteria regression analysis

Mária Brádziková (SK), Vladimír Konečný (SK), Peter Marienka (SK)

Customer requirements for urban public transport mobile application

Mariana Strenitzerová (SK), Katarína Štalmachová (SK)

A comparative analysis of tariffs in regional railway passenger transport

Denis Šipuš (HR), Tomislav Ležaić (HR), Jozef Gašparík (SK), Borna Abramović (HR)

Assessment of market power on the route Prague – Ostrava

Jakub Chini (CZ), Martin Kvizda (CZ), Jakub Solnička (CZ), Ondřej Špetík (CZ)

Understanding the public rail quality of service towards commuters' loyalty behavior in Greater Kuala Lumpur

Waqas Ahmed (MY), Sheikh Muhamad Hizam (MY), Habiba Akter (MY), Ilham Sentosa (MY)

Company product policy for the production and sales of electric vehicles

Reshetko N.I. (RU), Belozarov V.L. (RU), Vakulenko S.P. (RU), Kurenkov P.V. (RU), Zmeškal E.A. (SK), E.A. Chebotareva (RU), I.A. Solop (RU), E.L. Kuzina (RU), M.A. Vasilenko (RU), V.Y. Barashyan (RU)

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TOPIC 1: Operation and Economics in Transport

The MS TEAMS meeting link to PARALLEL SECTION – TOPIC 1: www.transcom-conference.com/go/s1c

Wednesday, 26 May 2021
16:00 PM – 18:30 PM

Chairman: doc. Ing. Margaréta Nádanyiová, PhD.
Co-Chairman: doc. Ing. Katarína Repková Štofková, PhD.

Possibility to reveal creative accounting when determining the value of the forwarding company's assets

Eva Adámiková (SK), Tatiana Čorejová (SK)

Transportation Cost as an Important Element of a Supplier Selection Process Based on a Multi-Criteria Decision Analysis

Jana Majchraková (DE), Iveta Kremeňová (SK)

Development of The Non-Taxable Part for Taxpayer in Slovakia

Adela Poliaková (SK)

Knowledge in the center of attention - the latest approaches to the creation of the postal ecosystem

Martin Kincl (SK), Ján Fľak (SK)

Analysis of return logistics in e-commerce companies on the example of the Slovak Republic

Mykhailo Dobroselskyi (SK), Radovan Madleňák (SK), Dominik Laitkep (SK)

Analysis of marketing efficiency on the example of Faraday future (Manufacturer of electronic machines)

Reshetko N.I. (RU), Peter Kurenkov (RU), J. Alexandrova (RU), I. Merkulina (RU), E.L. Kuzina (RU), M.A. Vasilenko (RU), E.A. Chebotareva (RU), I.A. Solop (RU), Jozef Gašparík (SK)

The relationship between economic growth and logistics sector in the case of G-7 countries

Admir Muslija (BA), Džemal Cinac (BA), Adnan Šahić (BA)

Blockchain technology as a new driver in supply chain

Mikuláš Černý (SK), Marián Gogola (SK), Stanislav Kubaľák (SK), Ján Ondruš (SK)

Modern technologies development in logistics centers: the case study of Poland

Ludmiła Filina-Dawidowicz (PL), Mariusz Kostrzewski (PL), Szymon Walusiak (PL)

TOPIC 1: Operation and Economics in Transport

The MS TEAMS meeting link to PARALLEL SESSION – TOPIC 1: www.transcom-conference.com/go/s1d

Thursday, 27 May 2021
9:00 AM – 11:30 AM

Chairman: doc. Ing. Branislav Šarkan, PhD.
Co-Chairman: dr hab. Inż. Marek Jaśkiewicz, prof. PSk

Ways of Comparing the Advantages of Operating Different Types of Vehicles in the Fleet

Martin Filák (CZ), Jan Famfulík (CZ), Michal Richtář (CZ)

Examination of the results of the vehicles technical inspections in relation to the average age of vehicles in selected EU states

Juraj Hudec (SK), Branislav Šarkan (SK), Renáta Czördörová (SK)

Analysis of commercial truck drivers' potentially dangerous driving behaviors caused by the changes of Regulation (EC) No. 561/2006

Ján Beňuš (SK), Miloš Poliak (SK), Elvira Nica (RO)

Examination of the development of the number and use of trucks up to 3.5 tons total weight

Jozef Gnap (SK), Tomáš Settey (SK), Lenka Baloghová (SK)

Determination of Operational Reliability of Firefighting Special Vehicles

David Dubový (CZ), Jan Famfulík (CZ), Michal Richtář (CZ)

Impact of using e-CMR on neutralization of consignment note

Jana Tomicová (SK), Miloš Poliak (SK), Natalia Aleksandrovna Zhuravleva (RU)

Use of Alternative Means of Movement in Tactical Tasks of Czech Army Units

Pavel Zahradníček (CZ), Luděk Rak (CZ), Zdeněk Flasar (CZ)

Increasing Security of Database During Car Monitoring

Roman Čerešňák (SK), Karol Matiaško (SK), Michal Kvet (SK)

TOPIC 1: Operation and Economics in Transport

The MS TEAMS meeting link to PARALLEL SESSION – TOPIC 1: www.transcom-conference.com/go/s1e

Thursday, 27 May 2021
12:30 PM – 15:30 PM

Chairman: prof. Ing. Andrej Novák, PhD.
Co-Chairman: prof. Ing. Jozef Gašparík, PhD.

Inland navigation on the Danube and the Rhine waterways

Peter Mako (SK), Andrea Galieriková (SK)

The fleet of regional air carriers in Europe commonality analyses in a broader context of business models research

Alena Novák Sedláčková (SK), Anna Tomová (SK)

Modernization of Digital Technologies at Regional Airports and its Potential Impact on the Cost Reduction

Tatiana Remencová (SK), Alena Novák Sedláčková (SK)

Possibilities of increasing the throughput of ports

Peter Mako (SK), Andrej Dávid (SK), Adrian Bebe Olei (RO)

Influence of innovative elements of railway infrastructure complex on the technology of the transport process

S.P. Vakulenko (RU), P.V. Kurenkov (RU), E.A. Chebotareva, I.A. Solop (RU), E.L. Kuzina (RU), M.A. Vasilenko (RU), V.Y. Barashyan (RU), A.V. Astafiev (RU), P.V. Nadolinsky (RU), J. Gašparík (SK)

Analysis of Industry 4.0 elements in the transport process at the entrance of the train from Ukraine to Slovakia

Zuzana Gerhátová (SK), Vladislav Zitrický (SK), Jozef Gašparík (SK)

Influence of Shocks on Pallet Load and Cargo Securing

Martin Vlkovský (CZ), Jiří Malíšek (CZ), Robert Kutil (CZ)

Methodology Proposal of Monitoring Economic Indicators in a Railway Passenger Transport Company Using Controlling Tools

Igor Dömény (SK), Anna Dolinayová (SK), Štefan Čarný (SK)

Update Criteria for Selecting Service Providers for Railway Transportation Enterprises

S. P. Vakulenko (RU), V. L. Belozarov (RU), P. V. Kurenkov (RU), E. A. Chebotareva (RU), I. A. Solop (RU), E. L. Kuzina (RU), M.A. Vasilenko (RU), A.V. Astafiev (RU), O.A. Zyurina (RU), E.A. Zmeškal (SK)

TOPIC 1: Operation and Economics in Transport

The MS TEAMS meeting link to PARALLEL SESSION – TOPIC 1: www.transcom-conference.com/go/s1f

Thursday, 27 May 2021
16:00 PM – 18:30 PM

Chairman: prof. Ing. Antonín Kazda, PhD.
Co-Chairman: doc. Ing. Pavol Král, PhD.

Verification of train-set deployment on the long-distance line R16 Praha – Beroun – Plzeň – Klatovy in connection with IPT principles

Rudolf Vávra (CZ), Vít Janoš (CZ)

Cost calculation and economic efficiency of carpooling

Kristián Čulík (SK), Alica Kalašová (SK), František Synák (SK)

Innovations in the process of transporting the disabled

Michal Petr Hranický (SK), Eva Nedeliaková (SK), Adrián Kuka (SK)

Public Transportation Usage in a Hot Climate Developing Country

Khaled Shaaban (US), Abdalla Siam (QA)

Impact of Police Enforcement on Critical Gap at Roundabouts

Khaled Shaaban (US), Hassan Hamad (CA)

Assessment of possibility "Park and ride" system in Kharkiv, Ukraine

Andrii Galkin (UA), Oleksii Lobashov (UA), Dmytro Burko (UA), Oleksii Pasolenko (UA) Tibor Schlosser (SK)

Car Parking User's Behavior Using News Articles Mining Based Approach

Nabil Arhab (FI), Saroar Jahan (FI), Mourad Oussalah (FI)

Comparative Application of Analytical and Simulation Methods for The Combined Nodes-Lines Capacity Assessment

Atieh Kianinejadshah (IT), Stefano Ricci (IT)

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TOPIC 1: Operation and Economics in Transport

The MS TEAMS meeting link to PARALLEL SECTION – TOPIC 1: www.transcom-conference.com/go/s1g

Friday, 28 May 2021
9:00 AM – 11:30 AM

Chairman: doc. Ing. Andrej Dávid, PhD.
Co-Chairman: doc. Ing. Dusan Teichmann, Ph.D.

Options for assessing the impact of the bike-sharing system on mobility in the city Žilina

Stanislav Kubaľák (SK), Marián Gogola (SK), Mikuláš Černý (SK)

Modeling of time availability of intermodal terminals

Jozef Gnap (SK), Šimon Senko (SK), Marek Drličiak (SK), Mariusz Kostrzewski (PL)

RFID technology and its effects on improving technological processes at the Čierna nad Tisou station

Michal Petr Hranický (SK), Adrián Šperka (SK), Juraj Čamaj (SK)

Ensuring the logistics of the last mile from the perspective of distribution companies

Peter Jucha (SK), Tatiana Čorejová (SK)

Determining the minimal safety level of automatic road sign recognition system – field study survey

Adam Torok (HU), Henrietta Lengyel (HU), Denes Valoczi (HU)

Concept of Investment Plan for the Production of Rubber-Based Noise Reduction Panels

Marek Potkány (SK), Lucia Krajčírová (SK), Mária Osvaldová (SK)

Transfer times improving in railway stations through the economic indicators

Adrián Šperka (SK), Karol Hrudkay (SK), Milan Dedík (SK)

TOPIC 2: Mechanical Engineering in Transport

The MS TEAMS meeting link to PARALLEL SESSION – TOPIC 2: www.transcom-conference.com/go/s2b

Wednesday, 26 May 2021
12:30 PM – 15:30 PM

Chairman: prof. Ing. Otakar Bokůvka, PhD.
Co-Chairman: prof. Ing. Tatiana Liptáková, PhD.

Influence of the surface roughness of the C55 steel on its tribological properties after application of the WC /C coating

Martin Vicen (SK), Otakar Bokůvka (SK), Ružica R. Nikolić (SK), Jozef Bronček (SK)

Microstructure and fatigue performace of additively manufactured AlSi10Mg.

Tibor Varmus (SK), Radomila Konečná (SK), Gianni Nicoletto (IT)

Examination of fatigue life of HSLA Domex 700 MC welded joints

Denisa Medvecká (SK), Michal Jambor (CZ), Tibor Varmus (SK), Lýdia Fojtík Demčáková (SK), František Nový (SK)

Influence of machine tool vibrations on geometric specifications of balls

Michal Richtarik (SK), Martin Gavlas (SK), Mário Drbúl (SK), Michal Šajgalík (SK), Pavol Timko (SK), Andrej Czán (SK), Milan Sága (SK)

Mapping of errors the geometric specification of the machining center

Pavol Timko (SK), Mário Drbúl (SK), Michal Richtarik (SK), Jozef Bronček (SK), Jaroslava Svobodová (SK), Libor Beránek (SK)

Influence of Retained austenite on Dimensional Characteristics of Bearings Components

Andrej Horák (SK), Silvia Slabejová (SK), Mário Drbúl (SK), Stanislav Krajčoviech (SK), Jozef Holubiak (SK), Tatiana Czánová (SK)

Identification of process Prime A turning when machining steel C56E2 and monitoring of cutting forces

Stanislav Krajčoviech (SK), Jozef Holubják (SK), Michal Richtarik (SK), Tatiana Czánová (SK)

Changes of mechanical properties of protective polyethylene films applied in transport bottles and containers for liquid media after exposure to selected liquid media

Tatiana Kojnoková (SK), František Nový (SK), Lenka Markovičová (SK), Tatiana Liptáková (SK)

Possibilities of predicting undesirable iron intermetallic phases in secondary Al-alloys

Ivana Švecová (SK), Eva Tillová (SK), Vidžaja Knap (SK), Lenka Kuchariková (SK)

Influence of iron content on SDAS factor, Al5FeSi intermetallic phases and porosity of the secondary aluminum alloy AlSi7Mg0.6 used in the automotive industry

Vidžaja Knap (SK), Eva Tillová (SK), Ivana Švecová (SK)

Analysis of the internal damping on temperature of magnesium alloy evaluated for different states of material

Milan Uhrčík (SK)

Corrosion behaviour of PEO coating sealed by water based preservative containing corrosion inhibitors

Milan Štrbák (SK), Filip Pastorek (SK), Pavel Scheber (SK)

TOPIC 2: Mechanical Engineering in Transport

The MS TEAMS meeting link to PARALLEL SECTION – TOPIC 2: www.transcom-conference.com/go/s2c

Wednesday, 26 May 2021
16:00 PM – 18:30 PM

Chairman: prof. Ing. Marián Dzimko, PhD.
Co-Chairman: Ing. Monika Bučková, PhD.

KEYNOTE_2

Methodology of design and optimization of internal logistics in the concept of Industry 4.0

Ivan Antoniuk (SK), Radovan Svitek (SK), Beáta Furmannová (SK), Martin Krajčovič (SK)

Modern Possibilities of Patient Transport Aids

Ivona Filipová (SK), Ľuboslav Dulina (SK), Eleonóra Bigošová (SK), Dariusz Plinta (PL)

Optimalisation of Internal Logistics Transport Time Through Warehouse Management: Case Study

Natália Burganová (SK), Patrik Grznár (SK), Štefan Mozol (SK)

Cloud platform for learning factories

Olha Kolesnyk (SK), Peter Bubeník (SK), Juraj Čapeka (SK)

Creating 3D models of transportation vehicles using photogrammetry

Marián Matys (SK), Martin Krajčovič (SK), Gabriela Gabajová (SK)

Method of precise determination of the main causes of the problems on example of the pin connecting discs in an engine gear

Andrzej Pacana Dwornicka (PL), Andrzej Pacana (PL), Dominika Siwec (PL)

Analysis of quality control efficiency in the automotive industry

Renata Dwornicka (PL), Andrzej Pacana (PL), Karolina Czerwińska (PL)

Design of an automated line for pressing cylindrical bushings with screws

Jozef Jenis (SK), Slavomír Hrček (SK)

Engineering design of lifting device weighing up to 3.5 tons

Matúš Čuchor (SK), Ľuboš Kučera (SK), Marián Dzimko (SK)

Application of basic machine learning algorithms in railway brake disc temperature prediction

Vladimír Pavelčík (SK), Erik Kuba (SK)

TOPIC 2: Mechanical Engineering in Transport

The MS TEAMS meeting link to PARALLEL SECTION – TOPIC 2: www.transcom-conference.com/go/s2d

Thursday, 27 May 2021
9:00 AM – 11:30 AM

Chairman: doc. Ing. Kateryna Kravchenko, PhD.
Co-Chairman: Ing. Peter Ďurčanský, PhD.

Calculation of geometric passage of a two-section platform wagon through a curve

Súrja Knap (SK), Andrej Suchánek (SK), Jozef Harušinec (SK)

Transport of phytomass in combustion process from plant to small combustion plant

Alexander Backa (SK), Alexander Čaja (SK)

Influence of the location of exhaust diffusers on the transport of air particles in the operating room

Pavol Mičko (SK), Andrej Kapjor (SK), Martin Vantúch (SK), Šimon Kubas (SK)

Utilization of heat transfer through phase change in devices to increase thermal efficiency

Lucia Martvoňová (SK), Juraj Drga (SK), Jozef Jandačka (SK), Milan Malcho (SK)

Pantograph impact on overall external noise of a railway vehicle

Peter Zvolenský (SK), Lukáš Leštinský (SK), Ján Ďungel (SK), Juraj Grenčík (SK)

Acoustic diagnostics of railway vehicles

Peter Zvolenský (SK), Lukáš Leštinský (SK), Ján Ďungel (SK), Juraj Grenčík (SK)

Evaluation of acoustic parameters of air conditioning of railway passenger cars

Peter Zvolenský (SK), Lukáš Leštinský (SK), Ján Ďungel (SK), Juraj Grenčík (SK)

Transport of water and methane particles in a reactor to produce natural gas hydrates

Dávid Hečko (SK), Milan Malcho (SK), Martin Vantúch (SK), Šimon Kubas (SK)

Determination of pressure loss of silencers during air transport in air conditioning

Šimon Kubas (SK), Andrej Kapjor (SK), Martin Vantúch (SK), Alexander Čaja (SK)

Use of loop thermosyphon as an efficient way of heat dissipation in transport facilities

Mária Polačiková (SK), Andrej Kapjor (SK), Milan Malcho (SK), Patrik Nemec (SK)

TOPIC 2: Mechanical Engineering in Transport

The MS TEAMS meeting link to PARALLEL SECTION – TOPIC 2: www.transcom-conference.com/go/s2e

Thursday, 27 May 2021
12:30 PM – 15:30 PM

Chairman: doc. Ing. Miroslav Blatnický, PhD.
Co-Chairman: doc. Ing. Ján Dižo, PhD.

Effect of Nozzle Performance on the Ducted Propeller: A benchmark-simulation study using OpenFOAM

Aldias Bahatmaka (ID), Aditya Rio Prabowo (ID), Dong-Joon Kim (KR)

Failure on Friction Brake Components against Rapid Braking Process: A Review on Potential Challenges and Developments

Mufti Reza Aulia Putra (ID), Pandu Sandi Pratama (ID), Aditya Rio Prabowo (ID)

Analysis of Monohull Design Characteristics as Supporting Vessel for COVID-19 Medical Treatments and Logistics

Rizky Adhi Febrianto (ID), Aditya Rio Prabowo (ID), Seung Jun Baek (KR), Ristiyanto Adiputra (ID)

Optimization of four stroke spark ignition engine for firesport

Petra Mücková (CZ), Jan Famfulík (CZ), Michal Richtář (CZ)

Application of technical diagnostics in the maintenance of the internal combustion engine of diesel multiple units 812 series

Jozef Ondriga (SK), Peter Zvolenský (SK), Slavomír Hrček (SK)

The dependence of the brake disc aerodynamic drag on the rolling stock motion speed

Juraj Gerlici (SK), Yuliia Fomina (SK), Kateryna Kravchenko (SK)

Structural properties examination of a new construction of railway wagon for transportation of ignition matters

Erik Kuba (SK), Vladimír Pavelčík (SK), Marián Moravčík (SK)

Experimental verification of tank wagon's ability to transmit longitudinal forces in opposite track curves

Erik Kuba (SK), Marián Moravčík (SK), Vladimír Pavelčík (SK)

Acoustic properties investigation of an innovative railway tank wagon at selected driving speeds

Sebastián Solčanský (SK), Pavol Šťastniak (SK), Marián Moravčík (SK)

Design of an airflow model for railway brake components testing

Vladimír Pavelčík (SK)

An experimental analysis of the forces impact of a new structural design of a three-axle railway bogie to a track

Yuliia Fomina (SK), Marián Moravčík (SK)

Utilization of solid fuels with regard to the transport distances of the raw material

Juraj Trnka (SK), Jozef Jandačka (SK), Michal Holubčík (SK)

TOPIC 2: Mechanical Engineering in Transport

The MS TEAMS meeting link to PARALLEL SECTION – TOPIC 2: www.transcom-conference.com/go/s2f

Thursday, 27 May 2021
16:00 PM – 18:30 PM

Chairman: doc. Ing. Michal Šajgalík, PhD.
Co-Chairman: Ing. Miroslav Fusko, PhD.

Development of an automated diagnostic and inspection system based on artificial intelligence designed to eliminate risks in transport and industrial companies

Milan Sága (SK), Michal Bartoš (SK), Vladimír Bulej (SK), Ján Stanček (SK), Dariusz Wiecek (PL)

Analysis of welding of the rear bridge semi-housing assembly of a firefighter truck by the semi-automatic procedure in gas protection

Ruzica Nikolic (SK), Vukić Lazić (RS), Dušan Arsić (RS), Olivera Popović (RS), Radica Prokić-Cvetković (RS), Branislav Hadzima (SK)

Determining the strength indexes of the bearing structure of the flat wagon of articulated type made from round pipes

Kateryna Kravchenko (SK), Oleksij Fomin (UA), Juraj Gerlici (SK), Alyona Lovska (UA), Mykola Gorbunov (UA), Tomáš Lack (SK)

Creating mathematical model of the bearing structure dynamic load of the flat wagon from round pipes in the main operational modes

Kateryna Kravchenko (SK), Oleksij Fomin (UA), Juraj Gerlici (SK), Alyona Lovska (UA), Mykola Gorbunov (UA), Tomáš Lack (SK)

Lenoir friction damper and its applications

Sebastián Solčanský (SK)

An innovative design of a protective device for integrity of tank wagons in a collision

Ján Dižo (SK), Kateryna Kravchenko (SK), Pavol Šťastniak (SK), Marián Moravčík (SK), Miroslav Blatnický (SK)

Electric and plug-hybrid vehicles and their infrastructure in a particular European region

Ján Dižo (SK), Miroslav Blatnický (SK), Stanislav Semenov, Evgeny Mikhailov, Mariusz Kostrzewski, Pawel Drożdziel (PL), Pavol Šťastniak (SK)

An overview of robot applications in automotive industry

Michal Bartoš (SK), Martin Bohušík (SK), Vladimír Bulej (SK), Ján Stanček (SK), Vitalii Ivanov (UA), Peter Macek (SK)

Concept of flexible transport system for components distribution within the production hall based on self-navigated mobile robot

Martin Bohušík (SK), Vladimír Bulej (SK), Ján Stanček (SK), Dariusz Wiecek (PL), Michal Bartoš (SK), Juraj Uriček (SK)

TOPIC 3: Electrical Engineering in Transport

The MS TEAMS meeting link to PARALLEL SECTION – TOPIC 3: www.transcom-conference.com/go/s3b

Wednesday, 26 May 2021
12:30 PM – 15:30 PM

Chairman: doc. Ing. Marek Höger, PhD.
Co-Chairman: doc. PaedDr. Peter Hockicko, PhD.

Two five-phase induction motors used as an electronic differential

Jakub Kellner (SK), Michal Praženica (SK)

Comparison between model based and non-model based sensorless methods of brushed DC motor

Michal Vidlák (SK), Pavol Makyš (SK), Michal Staňo (SK)

Field oriented control adjustment for 6-phase permanent magnet synchronous machines

Marek Furmanik (SK), Lukáš Gorel (SK), Pavol Rafajdus (SK)

Effect of increasing the sampling frequency with respect to the bandwidth of the PI controller of current control loop

Daniel Konvičný (SK), Pavol Makyš (SK), Marek Furmanik (SK)

Design of Two Wheeled Vehicle Steering Structure

Patrik Beňo (SK), Milan Šimko (SK)

Diagnostics of fuel systems in petrol vehicles

Matej Kubiš (SK), Daniel Korenčíak (SK)

Comparison of Various PMSM Rotor Topologies for High-speed Drives in Automotive Applications

Michal Kováčik (SK), Pavol Rafajdus (SK), Štefan Kočan (SK)

Investigation of Rotor Parameters of High Speed Switched Reluctance Motor for automotive application

Štefan Kočan (SK), Pavol Rafajdus (SK), Michal Kováčik (SK)

Design and evaluation of low power wireless charger concept

Jakub Škorvaga (SK), Miroslav Pavelek (SK)

Design of precise simulation model of power converter of energy storage system located within micro-grids

Kristián Takács (SK), Peter Drgoňa (SK)

Diagnostics of Insulating Condition of Traction Transformer by Frequency Method

Peter Brnčal (SK), Miroslav Gutten (SK)

Comparative electromagnetic design of high-speed PMSM with reduced torque ripple for automotive application, part 1 - stator design

Michal Staňo (SK), Pavol Makyš (SK), Pavol Rafajdus (SK), Michal Vidlak (SK)

TOPIC 3: Electrical Engineering in Transport

The MS TEAMS meeting link to PARALLEL SECSION – TOPIC 3: www.transcom-conference.com/go/s3d

Thursday, 27 May 2021
9:00 AM – 11:30 AM

Chairman: doc. Ing. Jozef Hrbček, PhD.
Co-Chairman: doc. PaedDr. Peter Hockicko, PhD.

Two-wheel electric chassis with automatic balancing

Michal Mihálik (SK), Marek Bujňák (SK), Vojtech Šimák (SK)

Universal firefighter sensor for dangerous road tunnel environment

Marek Bujňák (SK), Rastislav Pirník (SK), Dušan Nemeč (SK), Marián Hruboš (SK)

On-line identification methods as part of the tunnel ventilation control algorithm

Roman Michalík (SK), Jozef Hrbček (SK), Vojtech Šimák (SK)

IoT-based Data Acquisition Unit for aircraft and road vehicle

Ján Andel (SK), Vojtech Šimák (SK), Filip Škultéty (SK), Dušan Nemeč (SK)

RFID tags at the operation of fire stations

Ivan Galko (SK), Radoslav Kuffa (SK), Paulína Magdolenová (SK), Jozef Svetlík (SK), Andrej Veľas (SK)

Selection of modern LED fittings for SMART installations considering THD and PF worseness due to dimming

Peter Ďurana (SK), Tibor Beťko (SK), Peter Drgoňa (SK)

Impact of user orientation on indoor localization based on Wi-Fi

Veronika Hromadová (SK), Juraj Machaj (SK), Peter Brída (SK)

3D Optical Splitter based on MMI

Tomáš Mizera (SK), Dušan Pudiš (SK), Anton Kuzma (SK), Dana Seyringer (SK), Peter Gašo (SK), Patrik Miček (SK), Stanislava Serecunova (SK)

Nanostructures for plasmonic and solar applications

Patrik Miček (SK), Huaping Zhao (DE), Dušan Pudiš (SK)

TOPIC 4: Civil Engineering in Transport

The MS TEAMS meeting link to PARALLEL SECTION – TOPIC 4: www.transcom-conference.com/go/s4a

Wednesday, 26 May 2021
9:30 AM – 11:30 AM

Chairman: prof. Ing. Jozef Melcer, DrSc.
Co-Chairman: doc. Ing. Peter Koteš, PhD.

Experimental and Numerical simulation of a Three Point Bending Test of a Stainless Steel Beam

Daniel Jindra (CZ), Zdeněk Kala (CZ), Stanislav Seitl (CZ)

Influence of fiber length on load-bearing capacity of strengthened cross-section using fiber reinforced concrete

Martin Vavruš (SK)

Recognizing the temperature effect on the measurements results of the corrosion risk of plain and stainless reinforcement by the galvanostatic method

Wioletta Raczkiewicz (PL), Artur Wójcicki (PL)

Study on distribution of longitudinal shear forces in composite beams with web openings

Jakub Bartuš (SK), Jaroslav Odrobiňák (SK)

Vehicle response as a function of speed

Eva Merčiaková (SK), Jozef Melcer (SK)

Indirect methods for determining the state of prestressing

Jakub Kraňovanec (SK), Jozef Prokop (SK)

Experimental and FEM analysis of innovative bridge design

Patricia Vaňová (SK), Vincent Kvočák (SK)

Influence of aggressive environmental actions at bridge structures

Miroslav Jančula (SK), Jozef Jošt (SK)

TOPIC 4: Civil Engineering in Transport

The MS TEAMS meeting link to PARALLEL SECTION – TOPIC 4: www.transcom-conference.com/go/s4c

Wednesday, 26 May 2021
16:00 PM – 18:30 PM

Chairman: prof. Andrea Segalini, PhD.
Co-Chairman: prof. Ing. Ján Bujňák, CSc.

Fire safety of an over ground car park building - model solution

Agnes Iringová (SK), Dominika Vandličková (SK)

Pilot monitoring of the internal temperature and humidity in the historic building attic space

Peter Kysela (SK)

Design and optimization of photovoltaic systems in a parking garage - a case study

Agnes Iringová (SK), Marek Kovačič (SK)

Study of maritime accidents with hazardous substances involved: comparison of HNS and oil behaviours in marine environment

Andrea Galieriková (SK), Andrej Dávid (SK), Matúš Materna (SK), Peter Mako (SK)

Analysis and assessment of environmental threats in maritime transport

Robert Ulewicz (PL)

The Impact of Emissions on the Environment within the Digital Economy

Martina Kováčiková (SK), Patrícia Janošková (SK), Kristína Kováčiková (SK)

Reducing emissions produced by road transport and small heat sources

Juraj Drga (SK)

Developing a Tool for Environmental Impact Assessment of Planned Activities and Transport Infrastructure Facilities

Vasyl Mateichyk (UA), Viktoriia Khrutba (UA), Anna Kharchenko (UA), Yuliia Khrutba (UA), Iuliia Silantieva (UA), Olexander Protsyk (UA)

Assessment of Traffic Noise Near Schools in Qatar

Khaled Shaaban (US), Abdelrahman Abouzaid (US)

TOPIC 4: Civil Engineering in Transport

The MS TEAMS meeting link to PARALLEL SECTION – TOPIC 4: www.transcom-conference.com/go/s4e

Thursday, 27 May 2021
12:30 PM – 15:30 PM

Chairman: prof. Ing. Ján Čelko, CSc.
Co-Chairman: prof. Ing. Marián Drusa, PhD.

Crashworthiness of brittle blocks as cushioning elements for fixed objects around traffic lanes

Petr Hála (CZ), Luboš Nouzovský (CZ)

CFD Modelling of High-Pressure Water Mist System in Road Tunnels

Paulína Magdolenová (SK)

Optimization of Traffic Situation Using Roundabouts

Kateřina Víchová (CZK)

Research into effect of asphalt mixture aging on stiffness

Dušan Briliak (SK), Eva Remišová (SK)

Comparison of pavement morphology in the Povazsky Chlmec tunnel before and after maintenance

Matej Brna (SK)

Half-warm mix asphalt with emulsion. An experimental study on workability and mechanical performances

Federico Autelitano (IT), Erika Garillia (IT), Felice Giuliani (IT)

Presentation of a highly effective and affordable highway interchange - ITL Interchange

Goran Jovanović (SI), Rafko Atelšek (SI)

Dependences of Degradation of Long-Term Monitored Pavement from the Perspective of the Diagnosed Bearing Capacity

Lenka Mikulová (SK), Ján Mikolaj (SK), Lukáš Ďuriš (SK), Vladimíra Hostačná (SK)

Modelling of changes in pavement serviceability of the asphalt road

Michaela Ďurinová (SK), Ján Mikolaj (SK), Vladimíra Hostačná (SK)

Color durability of pigmented slurry surfacing after artificial aging tests simulating weathering and traffic

Federico Autelitano (IT)

Morning modal split model of economically active people in Zilina region

Michal Cingel (SK), Marek Drličiak (SK), Ján Čelko (SK)

The Experiences with utilization of BIM in Railway Infrastructure in Slovak Republic and Czech Republic

Andrej Matejov (SK), Janka Šestáková (SK)

TOPIC 5: Management Science and Informatics in Transport

The MS TEAMS meeting link to PARALLEL SECSION – TOPIC 5: www.transcom-conference.com/go/s5c

Wednesday, 26 May 2021
16:00 PM – 18:30 PM

Chairman: prof. Ing. Ľuboš Buzna, PhD.
Co-Chairman: doc. Ing. Michal Koháni, PhD.

A matrix approach to detect temporal behavioral patterns at electricvehicle charging stations

Milan Straka (SK), Lucia Piatriková (SK), Peter van Bokhoven (NL), Ľuboš Buzna (SK)

Detection of vowel segments in noise with ImageNet neural network architectures

René Fabricius (SK), Ondrej Šuch (SK)

Kernel Search for Overhead Wires Network Planning for Battery-assisted Trolleybuses

Dobroslav Grygar (SK), Ľudmila Jánošíková (SK), Peter Jankovič (SK), Michal Koháni (SK)

Fuzzy Inference System for Congestion Index Estimation Based on Speed Probability Distributions

Leo Tišljarić (HR), Edouard Ivanjko (HR), Zvonko Kavran (HR), Tonči Carić (HR)

The Use of the Art of War Ideas in the Strategic Decision-making of the Company

Jozef Hlavatý (SK)

Grouping Genetic Algorithm (GGA) for Electric Bus Fleet Scheduling

Maroš Janovec (SK), Michal Koháni (SK)

Anomaly detection using Autoencoders and Deep Convolution Generative Adversarial Networks

Jaroslav Kopčan (SK), Martin Klimo (SK), Ondrej Škvarek (SK)

Intelligent Transportation Systems in a Qatar: Benefits and Challenges of Implementation

Khaled Shaaban (US), Mazen Elamin (US), Mohammed Alsoub (US)

Simulation-based methods to support the real-time management of railways nodes

Andrea Galadíková (SK), Norbert Adamko (SK)

Investigation of opinions on the acceptance of autonomous vehicles in Slovakia

Marián Šotek (SK), Peter Márton (SK), Viliam Lendel (SK), Lucie Lendelová (SK)

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TOPIC 5: Management Science and Informatics in Transport

The MS TEAMS meeting link to PARALLEL SESSION – TOPIC 5: www.transcom-conference.com/go/s5g

Friday, 28 May 2021
9:00 AM – 11:30 AM

Chairman: prof. Ing. Karol Matiaško, PhD.
Co-Chairman: doc. Ing. Michal Koháni, PhD.

Developing a Prototype Platform To Manage Intelligent Communication Systems in Intermodal Transport

Maria Giuffrida (IT), Sara Perotti (IT), Angela Tumino (IT), Vincenzo Villois (IT)

Proposal of the traffic service on the Žilina – Rajec railway line by means of new scientific methods

Milan Dedík (SK), Martin Vojtek (CZ), Miriam Fandáková (SK)

The evolution of connectivity in SIG-T modeling.

The case of the spatial data infrastructure of Andalusia

Jesús Moreno-Navarro (ES), Eduardo López-Magán (ES), Leonardo Auz-Aramillo (ES)

Effect of indexes on DML operations

Veronika Šalgová (SK)

Impact of the concept Smart City on public transport

Oliver Bublín (SK)

The comparison of digitalization of Slovak Airports within the digital transformation of European Union countries

Martina Kováčiková (SK), Patrícia Janošková (SK), Kristína Kováčiková (SK)

Outlines of Vehicular Ad-Hoc networks

Boris Cucor (SK)

TOPIC 6: Safety and Security Engineering in Transport

The MS TEAMS meeting link to PARALLEL SECSION – TOPIC 6: www.transcom-conference.com/go/s6a

Wednesday, 26 May 2021
9:30 AM – 11:30 AM

Chairman: prof. Ing. David Řehák, PhD.
Co-Chairman: prof. Ing. Tomáš Loveček, PhD.

Proposal of risk reduction measures for the construction of smart cities

Michaela Kollárová (SK), Jozef Ristvej (SK)

Sharing and Providing Information to Protect Soft Targets in the Railway Infrastructure

Nikol Kotalová (SK), Lenka Michalcová (SK), David Rehák (SK), Klaudia Kralová (SK)

Implementation of new technologies to improve safety of road transport

Michal Tonhauser (SK), Jozef Ristvej (SK)

Scenario analysis of the impact of a power outage to the transport infrastructure in the selected area

Nikola Chovančíková (SK), Katarína Hoterová (SK)

Methodical procedure for creating a new methodology for assessing the resilience of transport infrastructure

Katarína Hoterová (SK), Nikola Chovančíková (SK)

Increasing the resilience of transport enterprises through the implementation of risk management and continuity management

Erika Mošková (SK), Katarína Buganová (SK), Jana Šimíčková (SK)

Assessment of fenestration security as part of railway infrastructure

Richard Jankura (SK)

Integrated risk management system in transport

Patrik Lahuta (SK), Peter Kardoš (SK), Mária Hudáková (SK)

Risk management in selected public passenger transport during a pandemic

Marta Jagusiak-Kocik (PL), Magdalena Mazur (PL)

Specifics of the agile approach and methods in project management and its use in transport

Jana Šimíčková (SK), Katarína Buganová (SK), Erika Mošková (SK)

TOPIC 6: Safety and Security Engineering in Transport

The MS TEAMS meeting link to PARALLEL SECTION – TOPIC 6: www.transcom-conference.com/go/s6b

Wednesday, 26 May 2021
12:30 PM – 15:30 PM

Chairman: Ing. Lucia Figuli, PhD.
Co-Chairman: prof. Ing. Tomáš Loveček, PhD.

Proposal AHP method for increasing the security level in the railway station

Michal Szatmári (SK)

Analysis of traffic accidents in selected period in the Žilina Region and proposal of security measures

Nina Molovčáková (SK), Veronika Adamová (SK), Viktor Šoltés (SK)

Assessment Framework of Performance Disruption of Critical Land Transport Elements Caused by Influent Subsystems

David Patrman (CZ), Lucie Flynnová (CZ)

Indicator Approach to the Failure of Critical Road Transportation Infrastructure Elements

Alena Šplíchalová (CZ), Lucie Flynnová (CZ)

Risk Analysis of the Reference Object and the Range of the Integrated Rescue System

Nikola Čajková (CZ), Martin Džermanský (CZ)

Risk assessment using the FMEA method in the organization of running events

Peter Kardoš (SK), Patrik Lahuta (SK), Maria Hudaková (SK)

Vulnerability assessment and risk prioritization with method HRVA for railway stations

Michal Szatmári (SK), Bohuš Leitner (SK)

Effect of business risks on the business future by Czech and Slovak SMEs in the segment transport and services

Ján Dvorský (CZ), Zora Petráková (CZ)

Application of the PERT method in planning of area evacuation of persons

Zuzana Gašparíková (SK), Bohuš Leitner (SK)

TOPIC 6: Safety and Security Engineering in Transport

The MS TEAMS meeting link to PARALLEL SECTION – TOPIC 6: www.transcom-conference.com/go/s6d

Thursday, 27 May 2021
9:00 AM – 11:30 AM

Chairman: doc. Ing. Katarína Kampová, PhD.
Co-Chairman: doc. Ing. Andrej Veľas, PhD.

Effective Placement of Video Surveillance System Using 3D Scanning Technology for Traffic Safety

Veronika Adamová (SK), Martin Boroš (SK)

Comparison of the difficulty overcoming of RFID electronic access control systems and overcoming of pin tumbler locks

Jakub Ďurica (SK), Filip Lenko (SK)

Logistics in the Process of Evacuation of the Population in the Finding of a Booby-Trapped Explosive System

Martin Džermanský (CZ), Tomáš Krejčí (CZ), Jitka Trnečková (CZ), Zdeněk Kalvach (CZ), Markéta Habrová (CZ), Nikola Čajková (CZ)

Development and preliminary tests of a low-power automatic monitoring system for flexible debris flow barriers

Alessandro Valletta (IT), Roberto Savi (IT), Andrea Carri (IT), Edoardo Cavalca (IT), Andrea Segalini (IT)

Traffic accident monitoring information system of the selected region

Roman Kmeť (SK), Marek Kvet (SK)

Resilience of the Smart Transport System – Risks and Aims

Maroš Lacinák (SK)

Protection of transport terminals through the application of the CPTED concept

Klaudia Králová (SK), Viktor Šoltés (SK), Nikol Kotalová (SK)

Usage of digital evidence in the technical analysis of traffic collisions

Katarína Malinová (SK), Gustáv Kasanický (SK), Ján Podhorský (SK)

Specifics of RFID based access control systems used in logistics centers

Filip Lenko (SK)

Reducing expert's estimations subjectivity in physical protection systems parameters of monitoring traffic center with normal distribution

Lenka Straková (SK), Martin Boroš (SK)

TOPIC 6: Safety and Security Engineering in Transport

The MS TEAMS meeting link to PARALLEL SECSION – TOPIC 6: www.transcom-conference.com/go/s6e

Thursday, 27 May 2021
12:30 PM – 15:30 PM

Chairman: doc. Ing. Bc.Linda Makovická Osvaldová, PhD.
Co-Chairman: doc. Ing. Jozef Svetlík, PhD.

Strategy management of telematics systems in the transport sector with regard to safety

Jozef Kubás (SK), Katarína Hollá (SK), Katarína Repková Štofková (SK), Michal Ballay (SK), Mária Polorecká (SK)

Test stand for experimental crash tests at low speeds

Damian Frej (PL), Marek Jaśkiewicz (PL)

The impact of vehicle fires on road safety

Nikoleta Csápaiová (SK)

Observation of Fire Characteristics of Selected Covering Materials Used in Upholstered Seats

Patrik Mitrenga (SK), Linda Makovická Osvaldová (SK), Iveta Marková (SK)

Reduction of pedestrian accidents – automated road vehicles

Tomáš Zavodjančík (SK), Gustáv Kasanický (SK), Lýdia Demčáková (SK)

Scenarios involving accident-damaged electric vehicles

Christian Geisbauer (DE), Katharina Wöhrl (DE), Susanne Lott (DE), Christoph Nebl (DE), Hans-Georg Schweigera (DE), Roland Goertz (DE), Tibor Kubjatko (SK)

Evaluation of hazard perception skills of young drivers

Hannes Sappl (AT)

Application of close-range photogrammetry in documenting the location of an accident

Stanislav Stehel (SK), Peter Vertaľ (SK), Lýdia Demčáková (SK)

Development of test system for forensics investigation of collision between vehicle and pedestrian

Juraj Bernát (SK), Peter Vertaľ (SK), Lýdia Demčáková (SK)

Geometry influence of far-side wall of tunnel emergency bay on the traffic safety

Eduard Kolla (SK), Veronika Adamová (SK), Lýdia Demčáková (SK)

Analysis of Traffic Crashes and Violations in a Developing Country: The Case of Qatar

Khaled Shaaban (US), Abdalla Siam (US), Ali Badran (US)

Analysis of Traffic Crashes in New York City

Khaled Shaaban (US), Mohamed Ibrahim (US)

TOPIC 6: Safety and Security Engineering in Transport

The MS TEAMS meeting link to PARALLEL SESSION – TOPIC 6: www.transcom-conference.com/go/s6f

Thursday, 27 May 2021
16:00 PM – 18:30 PM

Chairman: doc. Ing. Jozef Klučka, PhD.
Co-Chairman: dr hab. inž. Pawel Gromek, prof. SGSP

Adapting the public transport system to the COVID-19 challenge, ensuring its sustainability

Antons Patlins (LT)

ŽRS Safety Management System of Freight Cars

Rade Cvijanović (BA), Vladimir Malčić (BA), Ratko Đuričić (BA), Bojan Marić (BA), Tihomir Đurić (BA)

Development of System Solution for Public Transport System Sustainability and Adapting it to the Challenge of COVID-19

Antons Patlins (LT)

Validity of the Seveso II and III Directive in the EU

Katarina Hollá (SK), Mária Polorecká (SK), Jozef Kubás (SK), Michal Ballay (SK)

Economic security of public transport provider in a three-dimensional model

Pavol Prievozník (SK), Stanislava Strelcová (SK), Eva Sventeková (SK)

The Permeable Performance Testing of the Level Intersection – Case Study

Michal Ballay (SK), Eva Sventeková (SK)

The influence of a countdown display on pedestrian behavior at a signalized pedestrian crossing equipped with a pedestrian refuge island

Bojan Marić (BA), Krsto Lipovac (BA), Miladin Nešić (BA), Miroslav Đerić (BA)

The Use of Simulation in Dealing with Crisis Events within Transport

Michaela Jánošíková (SK), Katarína Záborská (SK)

Use of the method of operational analysis in the framework of technological security of emergency work

Michal Ballay (SK), Eva Sventeková (SK)

Facade insulation from wood-fiber boards in the burning process

Michaela Horváthová (SK)

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TOPIC 7: Travel and Tourism Studies in Transport Development

The MS TEAMS meeting link to PARALLEL SECSION – TOPIC 7: www.transcom-conference.com/go/s7

Friday, 28 May 2021
9:30 AM – 11:30 AM

Chairman: Mgr. Olena Hundarenko, PhD.
Co-Chairman: Mgr. Veronika Murgašová, PhD.

The application of online marketing tools in marketing communication of the entities with the tourism offer in 2020 in Slovakia

Irina Ďaďová (SK), Jakub Soviar (SK)

Does the state have a legitimate right to regulate the decisions of the population in the process of choosing of transport?

Jakub Švec (SK)