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RaTSiF-2021

**The 39th Research and Technology – Step into the Future
conference**

**Workshop of project “Digitally supported and virtual study
practices for modern logistic systems (DIGILOG)”**

**Workshop of project “Training activities in Central Baltic region on
Intelligent Transport and Traffic Management (INTELTRANS)”**


Agenda

Date: 23 April 2021

Time: 10:00 – 16:00

Location: Transport and Telecommunication Institute

Link to workshop: <https://meetings.tsi.lv/b/vik-5li-zmz-nzq>

 OPEN WORKSHOP “EDUCATION IN DIGITAL ERA” OPEN WORKSHOP OF PROJECT “DIGITALLY SUPPORTED AND VIRTUAL STUDY PRACTICES FOR MODERN LOGISTIC SYSTEMS (DIGILOG)”		
Moderators:	Prof., Dr.Sc.Ing. Irina Yatskiv Assoc. Prof. Dr. sc. Ing. Mihails Savrasovs	
10:00 - 11:30	Challenges of Education in times of the 4th Industrial Revolution	Ph.D., Emmanuel Merchan , Acting Dean of Engineering Faculty of TSI, (Latvia)
	E-learning game-based technology for training and education of transport and logistics specialists (DIGILOG project)	Prof., Dr. sc. ing., Dr. habil. sc. ing. Igor Kabashkin , Director of the PhD Programme of TSI (Latvia)

Parallel Session

SESSION #1

Link to Session 1: <https://meetings.tsi.lv/b/vik-ewq-iv2-xru>

COMPUTER PROBLEMS OF THE INFORMATION SOCIETY INFORMĀCIJAS SABIEDRĪBAS DATORIZĀCIJAS PROBLĒMAS КОМПЬЮТЕРНЫЕ ПРОБЛЕМЫ ИНФОРМАЦИОННОГО ОБЩЕСТВА		
12:00-16:00		
Moderators:	As. Prof., Dr.sc.ing. Mihails Savrasovs Prof., Dr.sc.ing. Boriss Misnevs	
12:00 – 16:00	Predicting Road Condition Affected by Weather and Aging Factors: A Machine Learning Approach	Saju Varghese
	Evaluation of the Importance of Ethical Requirements in AI Solutions Using an Empirical Approach	Aleksejs Vesjolijs
	Different Practices of Integration UI/UX Design Methodologies in SDLC Models	Sergejs Ivanovs
	Improvement of Energy Consumption Regulation in Smart Homes	Hamza Rauf
	Comparative Analysis of AutoML Tools	Jevgenijs Ostapkovics
	Finding Fake Information and News Detection Using Deep Learning	Akhilesh Kola
	Benchmarking Techniques for Agile Project Management Tools	Tintu Terrance
	Investigation of the Algorithm for Finding the Shortest Path in Markov-Modulated Networks	Antons Kolodinskis

Parallel Session

SESSION #2

Link to Session 2: <https://meetings.tsi.lv/b/vik-tok-wf3-i7q>

COMPUTER PROBLEMS OF THE INFORMATION SOCIETY INFORMĀCIJAS SABIEDRĪBAS DATORIZĀCIJAS PROBLĒMAS КОМПЬЮТЕРНЫЕ ПРОБЛЕМЫ ИНФОРМАЦИОННОГО ОБЩЕСТВА		
12:00-16:00		
Moderators:	Assoc. prof., Dr. sc. ing. Dmitry Pavlyuk Prof., Dr. sc. ing. Aleksandr Grakovsky	
12:00 – 16:00	Research on AI Application for Optimization of the SQL Queries	Bharath Kumar Venukanti
	Research of Optical Camera Distortion Problem and Methods for its Effective Compensation in RGB Images	Bhagya Lakshmi Palani
	Human Face Transformation from Single Photo Using Generative Adversarial Network	Aleksandrs Palko
	Research of BI Instruments for Implementation of Analytics as a Service Model	Jekaterina Gruzdeva
	Predicting Ambulance in Traffic from Video Streaming: A Machine Learning Approach	Manu Saju Oommen
	Learning Control Policies for Legged Robots Using Deep Reinforcement Learning	Sergei Rubtcov
	Research of Methods of Reconstruction of a 3D Model of the Surface of Human Fingerprints Based on Digital Photos	Anton Pletnev
	Development of Data Strategy Framework	Aleksandrs Seļickis

Parallel Session

SESSION #3

Link to session 3: <https://meetings.tsi.lv/b/vik-ipx-ajc-z1y>

	<p>Open Workshop of project “Training activities in Central Baltic region on Intelligent Transport and Traffic Management (INTELTRANS)”</p>																					
<p>12:00-16:00</p>	<p>INNOVATIONS AND SMART TECHNOLOGIES IN TRANSPORT AND LOGISTICS INOVĀCIJAS UN VIEDĀS TEHNOLOĢIJAS TRANSPORTĀ UN LOĢISTIKĀ ИННОВАЦИИ И УМНЫЕ ТЕХНОЛОГИИ В СФЕРЕ ТРАНСПОРТА И ЛОГИСТИКИ</p>																					
<p>Moderators:</p>	<p>Prof., Dr.sc.ing. Irina Yatskiv Prof., Dr. sc. ing., Dr. habil. sc. ing. Igor Kabashkin</p>																					
<p>12:00 – 16:00</p>	<table border="1"> <tr> <td data-bbox="392 1088 1166 1155">Inteltrans Project: Training Activities in Central Baltic Region on Intelligent Transport and Traffic Management</td> <td data-bbox="1222 1088 1453 1155">Igor Kabashkin</td> </tr> <tr> <td data-bbox="392 1160 1166 1227">Trends and Tendencies in Ports Digitalization: Case Study of Port of Klaipeda</td> <td data-bbox="1222 1160 1453 1227">Lukrecija Kavaliauskaitė</td> </tr> <tr> <td data-bbox="392 1232 1166 1299">Scenario Analysis of a Forwarding Agent’s Workflow Based on Simulation Modeling</td> <td data-bbox="1222 1232 1453 1299">Marina Denisova</td> </tr> <tr> <td data-bbox="392 1303 1166 1370">Digitalization in Road Transport: Innovative Solutions in Transport Management</td> <td data-bbox="1222 1303 1453 1370">Lisbeth Kõiv</td> </tr> <tr> <td data-bbox="392 1375 1166 1442">Free public transport policy: modelling of and conditions for successful implementation</td> <td data-bbox="1222 1375 1453 1442">Yury Voronin</td> </tr> <tr> <td data-bbox="392 1447 1166 1514">Evaluation of Factors Affecting the Green Logistics for Road Freight Transport</td> <td data-bbox="1222 1447 1453 1514">Akhil P Babu</td> </tr> <tr> <td data-bbox="392 1518 1166 1630">The Role of Technical Developments in the Improvements of the Logistics and Supply Chain Management of Multinational Companies</td> <td data-bbox="1222 1518 1453 1630">Aswin Sam</td> </tr> <tr> <td data-bbox="392 1635 1166 1702">Implementation of E-Logistics in Supply Chain Operations</td> <td data-bbox="1222 1635 1453 1702">Ronald Madavana Joy</td> </tr> <tr> <td data-bbox="392 1706 1166 1774">Efficiency Evaluation of a Transport Company Based on Specific Indicators</td> <td data-bbox="1222 1706 1453 1774">Vera Starichenkova</td> </tr> <tr> <td data-bbox="392 1778 1166 1845">Evaluating Customer’s Satisfaction from the Third-Party Logistics Providers</td> <td data-bbox="1222 1778 1453 1845">Micheal George</td> </tr> </table>	Inteltrans Project: Training Activities in Central Baltic Region on Intelligent Transport and Traffic Management	Igor Kabashkin	Trends and Tendencies in Ports Digitalization: Case Study of Port of Klaipeda	Lukrecija Kavaliauskaitė	Scenario Analysis of a Forwarding Agent’s Workflow Based on Simulation Modeling	Marina Denisova	Digitalization in Road Transport: Innovative Solutions in Transport Management	Lisbeth Kõiv	Free public transport policy: modelling of and conditions for successful implementation	Yury Voronin	Evaluation of Factors Affecting the Green Logistics for Road Freight Transport	Akhil P Babu	The Role of Technical Developments in the Improvements of the Logistics and Supply Chain Management of Multinational Companies	Aswin Sam	Implementation of E-Logistics in Supply Chain Operations	Ronald Madavana Joy	Efficiency Evaluation of a Transport Company Based on Specific Indicators	Vera Starichenkova	Evaluating Customer’s Satisfaction from the Third-Party Logistics Providers	Micheal George	
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Parallel Session

SESSION #4

Link to session 4: <https://meetings.tsi.lv/b/vik-ehl-zyb-dho>

MARKET: RESEARCH, PROJECTS, TECHNOLOGIES AND PROBLEMS OF THE MODERN ECONOMY TIRGUS: PĒTĪJUMI, PROJEKTI, TEHNOLOĢIJAS UN MŪSDIENU EKONOMIKAS PROBLĒMAS РЫНОК: ИССЛЕДОВАНИЯ, ПРОЕКТЫ, ТЕХНОЛОГИИ И ПРОБЛЕМЫ СОВРЕМЕННОЙ ЭКОНОМИКИ		
12:00-16:00		
Moderators:	Prof., Dr.sc. admin. Yulia Stukalina Prof., Dr. oec. Irina Kuzmina-Merlino	
12:00 – 16:00	Recruitment and Selection Procedures in a Manufacturing Company	Mehnaz Akhtar
	The Analysis of Online User Experience Through Flipkart (An Online Shopping Platform in India)	Sreelal Sreekantan
	The Assessment of COVID-19 Impact on Tourism Industry (A Jet2 Holidays Case)	Amal Sebastian
	The Impact of Social Media on Marketing Decisions in Remote Companies	George Puthenveetil Josy
	Impact of Green Marketing on Consumer Purchasing Decisions in Kerala, India	Jaison Kuriakose
	Mentoring as a Method of Adaption and Professional Growth for Teachers in Education (Case Study on Montessory Schools)	Marina Rozhdestvenskaia
	Trends of Online Shopping and Their Impact on Consumer Buying Behavior in Pakistan	Muhammad Adil Bhatti
	Разработка концепции стратегического развития частных детских садов	Olga Kochkina
	Assessment of the Perspectives for the Use of Artificial Ice for Non-Professional Sport Services	Danill Kulikov

Parallel Session

SESSION #5

Link to session 5: <https://meetings.tsi.lv/b/vik-uon-svs-tgt>

MARKET: RESEARCH, PROJECTS, TECHNOLOGIES AND PROBLEMS OF THE MODERN ECONOMY TIRGUS: PĒTĪJUMI, PROJEKTI, TEHNOLOĢIJAS UN MŪSDIENU EKONOMIKAS PROBLĒMAS РЫНОК: ИССЛЕДОВАНИЯ, ПРОЕКТЫ, ТЕХНОЛОГИИ И ПРОБЛЕМЫ СОВРЕМЕННОЙ ЭКОНОМИКИ		
12:00-16:00	Moderators:	
	Prof. Inna Stecenko Mg. oec. Olga Zervina	
12:00 – 16:00	Formation and Management of Securities Portfolio Based on an Active Investment Strategy of the Kazakhstan Stock Exchange	Madi Tolebek
	Business Organization and Business Risks of Foreign Companies in the Baltic Region	Aleksandrs Zebolds
	Sustainable Development Goals as Part of Corporate Social Responsibility and its Dedication to Airline Industry	Ali Zeynalli
	Improving the System of Recruitment and Adaptation of Personnel in the Airline	Zhanat Chokin
	Airlines fleet renewal planning	Aleksandra Nikolajeva
	Extending the Charter Airline Business Model with Booking Services	Aleksejs Ogorodnikovs
	Improvements of the Planning of Aircraft Maintenance Management	Vladislavs Tokarevs