

RaTSiF-2021

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

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”		
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	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-jv2-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>

INNOVATIONS AND SMART TECHNOLOGIES IN TRANSPORT AND LOGISTICS INOVĀCIJAS UN VIEDĀS TEHNOLOĢIJAS TRANSPORTĀ UN LOGISTIKĀ ИННОВАЦИИ И УМНЫЕ ТЕХНОЛОГИИ В СФЕРЕ ТРАНСПОРТА И ЛОГИСТИКИ		
12:00-16:00		
Moderators:	Prof., Dr.sc.ing. Irina Yatskiv Prof., Dr. sc. ing., Dr. habil. sc. ing. Igor Kabashkin	
12:00 – 16:00	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	

Parallel Session

SESSION #4

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

12:00-16:00	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	
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