

# RaTSiF-2021

## The 40<sup>th</sup> Research and Technology – Step into the Future Conference

### Agenda

**Date:** 3rd December 2021

**Time:** 10:00 – 16:00

**Location:** Transport and Telecommunication Institute

**Link to plenary session:** <https://meetings.tsi.lv/b/vik-tel-qwb-bzf>

PLENARY SESSION		
<b>Moderators:</b>	<b>Prof., Dr. sc. ing. Aleksandr Grakovski</b> <b>Prof., Dr. oec. Inna Stecenko</b>	
10:00 - 11:30	Welcome speech	<b>Assoc. Prof. Dr. sc. ing. Mihails Savrasovs</b> , Vice-Rector for Academic & Research of Transport and Telecommunication Institute (TSI) (Latvia)
	Novel Protocols for Wireless Sensor Networks	<b>Dr. Korhan Cengiz</b> , Assistant Professor of College of Information Technology University of Fujairah, UAE (United Arab Emirates)
	Agile Approach in Modern Banking and Financial System Regulation	<b>MSc. oec. Oleg Cernisev</b> , Chief Technical Officer, Vice Chief Development officer in Bank Papaya, (Malta)

## *Parallel Session*

### SESSION #1

Link to Session 1: <https://meetings.tsi.lv/b/vik-mns-gug-4wo>

<b>COMPUTER PROBLEMS OF THE INFORMATION SOCIETY INFORMĀCIJAS SABIEDRĪBAS DATORIZĀCIJAS PROBLĒMAS КОМПЬЮТЕРНЫЕ ПРОБЛЕМЫ ИНФОРМАЦИОННОГО ОБЩЕСТВА</b>		
<b>12:00-16:00</b>		
<b>Moderators:</b>	<b>Assoc. Prof., Dr. sc. ing. Mihails Savrasovs Prof., Dr. sc. ing. Boriss Misnevs</b>	
<b>12:00 – 16:00</b>	Development and Research of an Artificial Intelligence-Based Figure Skating Referee System	Sarmite Danilova
	Isolation and Protection of the Motor-Generator Pair System	Hamza Rauf
	Evaluation of Critical Success Factors for an Airline Business Intelligence System	Edite Kolveite
	Trends and Challenges in Digital Transformation of Financial Intelligence Units: Case Study of Financial Intelligence Unit of Latvia	Ligita Pula
	Improving the Decision Support System by Applying ML-Algorithms in a Telecommunications Company	Aleksei Ryzhov
	Development of Requirements for the Intelligent European Union's Large Scale it Systems in the Area of Freedom, Security and Justice	Aleksandrs Gromovs
	Research on Web Accessibility Requirements for Ecommerce	Alina Balabanova
	Research of a Person's Authentication Method Through the Gesture Recognition	Tony Philip Joykutty

## *Parallel Session*

### SESSION #2

Link to session 2: <https://meetings.tsi.lv/b/vik-onb-vth-ulo>

<b>INNOVATIONS AND SMART TECHNOLOGIES IN TRANSPORT AND LOGISTICS</b> <b>INOVĀCIJAS UN VIEDĀS TEHNOLOĢIJAS TRANSPORTĀ UN LOGISTIKĀ</b> <b>ИННОВАЦИИ И УМНЫЕ ТЕХНОЛОГИИ В СФЕРЕ ТРАНСПОРТА И ЛОГИСТИКИ</b>		
<b>Moderators:</b>	<b>Prof., Dr. sc. ing. Irina Yatskiv</b> <b>Prof., Dr. sc. ing., Dr. habil. sc. ing. Igor Kabashkin</b>	
12:00 – 14:00	Selection of Delivery Method of Spare Parts for Aviation	Artem Kharlov
	Autoparka Elektrifikācijas Iespēju Izvērtējums Kravu Pārvadājumu Nozarē	Inese Rodčenkova
	Improving Manufacturing Company's Order-to-Delivery Process	Roman Atanasov
	Composite Index Analysis and Development for Evaluating of Supply Chain Effectiveness in Airline Catering Services	Ulyana Sobolevskaya
	Piegādes JYSK Klientiem COVID-19 Pandēmijas Laika Ietekmē	Artūrs Meisters

## Parallel Session

### SESSION #3

Link to session 3: <https://meetings.tsi.lv/b/vik-nfh-tbn-aw5>

12:00-16:00	<b>MARKET: RESEARCH, PROJECTS, TECHNOLOGIES AND PROBLEMS OF THE MODERN ECONOMY</b> <b>TIRGUS: PĒTĪJUMI, PROJEKTI, TEHNOLOĢIJAS UN MŪSDIENU EKONOMIKAS PROBLĒMAS</b> <b>РЫНОК: ИССЛЕДОВАНИЯ, ПРОЕКТЫ, ТЕХНОЛОГИИ И ПРОБЛЕМЫ СОВРЕМЕННОЙ ЭКОНОМИКИ</b>	
Moderators:	<b>Prof., Dr. sc. admin. Yulia Stukalina</b> <b>Prof., Dr. oec. Irina Kuzmina-Merlino</b>	
12:00 – 16:00	Developing an Employee Compensation Model Based on the Theory of Justice	Yury Smirnov
	Amatpersonu Nemateriālās Motivācijas un Labsajūtas Sistēmas Pilnveidošana Valsts Policijas Struktūrvienībā Krīzes Apstākļos	Inga Olga Pulle
	Uzņēmēju Sociālās Aizsardzība kā Nozīmīgākais Mazā Biznesa Attīstības Faktors Latvijas Republikā	Romāns Biļickis
	Анализ Инвестиционного Климата в Латвии и Швейцарии на Фондовом рынке	Мария Вышар
	Stimulating Sustainable Development in the Airline Industry	Eduards Minajevs
	Extending the Charter Airline Business Model with Booking Services	Aleksejs Ogorodnikovs
	Corporate Social Responsibility in the Latvian Aviation Industry from a Comparative Perspective	Santa Krūze
	The Impact of Digital Solutions and Automation in Air Traffic Control	Jeļena Kuzmičova
	Methodology to Identify Flaky Test Cases	Maksims Ivanovs
Personāla Darba Motivācijas Sistēmas Pilnveidošana Starptautisko Jūras Pārvadājumu Jomā	Aleksejs Skrunds	