

RaTSiF-2023

The 43rd Research and Technology – Step into the Future Conference

Agenda

Date: 21st April 2023

Time: 10:00 – 17:00

Location: Transport and Telecommunication Institute

Link to plenary session: <https://meetings.tsi.lv/b/jel-uem-i9e-01s>

PLENARY SESSION (Aud. 130)		
Moderators:	Prof., Dr.sc.ing. Emmanuel Alejandro Merchán Prof., Dr.sc.admin. Yulia Stukalina	
10:00 - 12:00	Welcome Speech	Ph.D. Juris Kannels , Rector of TSI (Latvia)
	Generative AI in the Study Process	Prof., Dr.sc.ing. Dmitry Pavlyuk Head of Data Analytics and AI research cluster, TSI (Latvia)
	Project eMEDIATOR: New Digital Ecosystem for Mobile Competence-Oriented Higher Education	Prof., Dr.sc.ing. Boriss Misnevs , Head of eMEDIATOR Project, TSI (Latvia)
	AI in Agile Project Management	Dr.sc.ing. Mohammad Soltani , Invited Lecturer, TSI (Latvia)

Parallel Session

SESSION #1_Part 1 (Aud. 130)

Link to Session 1: <https://meetings.tsi.lv/b/jel-8bj-xop-nry>

Online: only for Distant learning students

12:30-17:00		
COMPUTER PROBLEMS OF THE INFORMATION SOCIETY INFORMĀCIJAS SABIEDRĪBAS DATORIZĀCIJAS PROBLĒMAS		
Moderators:	Prof., Dr.sc.ing. Mihails Savrasovs Prof., Dr.sc.ing. Boriss Misnevs	
12:30 – 14:30	IT Service Management System Improvement in Municipal Company	Andrejs Soboļevs
	Development of an Automated Business Process Model for ERP Systems of Medium-Sized Enterprises	Vladimirs Nikolajevs
	Comparison of Acoustic and Vibration Analysis in the Classification of the Operational Status of Power Tools Using Machine Learning Techniques	Marawan Youssef
	Development of Microfrontend Implementation Framework	Aleksandrs Voronkovs
	Enhanced Data Security in Cloud Implementation Using BiGRU, BiLSTM Machine Learning Algorithms	Simeon Abraham Inuganti
	The Use of Artificial Intelligence in the Processing of Archived Data	Ekaterina Skladnichenko
	Usability of Wireless Network Technologies to Check the Serviceability of the Gas Pipeline Cathodic Protection	Oleg Bobrovich
	14:30 – 14:45	Break
14:45 – 17:00	Comparative Analysis of Hyperloop Technology Modes in Transportation	Aleksejs Vesjolijs
	Исследование сетевых технологий для их использования в области "Интернет вещей"	Артур Спирин
	The Impact of Jira and Confluence on Remote Project Management: A Case Study of IT Company – Wisebits	Alens Geronjans
	Kanji Architectural Pattern	Kazuki Kimura
	Automatization of Internal Control Systems for Sanctions Monitoring - Requirements and Challenges for Developers and Users	Elga Gailite
	Development of a UAS Trajectory Control System in the Landing Zone Using Two Stationary Video Cameras	Aleksandrs Kovalovs

Parallel Session

SESSION #1_Part 2 (Aud. 220)

Link to Session 1: [_](#)

Online only for Distant learning students

12:30-15:00		
COMPUTER PROBLEMS OF THE INFORMATION SOCIETY INFORMĀCIJAS SABIEDRĪBAS DATORIZĀCIJAS PROBLĒMAS		
Moderators:	Prof., Dr.sc.ing. Aleksandrs Grakovskis Prof., Dr.sc.ing. Dmitry Pavlyuk	
12:30 – 15:00	Simulation As a Decision Support Tool: Case Study of Krišjāņa Barona Iela	Louis Antona, Louis Dury, Antoine Jeanneney, Marthe Landel, Nadir Merah
	Deep Learning Model to Analyze Social Media	Valentin Colin, Maxime Popot-Chapuis and Etienne Favière
	Application Development for Inferential Statistics and Predictive Analytics Learning	Saba Ijaz, Marc Partensky, Landry Mamo and Yasser El Kobi
	Identification of Finger-Based Signatures Using Computer Vision Techniques	Augustin Mascarelli, Yona Bitton, Quentin Amiel, Kelig Lefevre, Enzo Cogneville and Elias Deve
	Comparison Between First-Come-First-Served and Multidimensional Approaches for Machine Scheduling	Tatiana Fallouh, Guillaume Friez, Eliot Gonzalez, Jean-Baptiste Leroy-Dubief, Manuel Perrin, Jérôme Wang
	Analysis Of Emotions on Social Networks Through Images	Hugues Rubin de Cervens, Lucas Manic and Jules Meszaros

Parallel Session

SESSION #2 (Aud. 221)

Link to session 2: <https://meetings.tsi.lv/b/jel-aja-om2-v9b>

Online only for Distant learning students

12:30-14:30 INNOVATIONS AND SMART TECHNOLOGIES IN TRANSPORT AND LOGISTICS INOVĀCIJAS UN VIEDĀS TEHNOLOĢIJAS TRANSPORTĀ UN LOĢISTIKĀ		
Moderators:	Prof., Dr.sc.ing., Irina Yatskiv (Jackiva) Prof., Dr.sc.ing., Dr.habil.sc.ing. Igors Kabaškins	
12:30-14:30	Optimised Route Recommendation Induced by Individual's Preferred Transportation Mode	Francesco Maria Turno
	Digital Approach to The Supply Chains of Small And Medium Scale Enterprises	Amal Sebastian
	Elektromobiļi Privātai Mobilitātei un Mazajiem Uzņēmumiem kā Daļa no Eiropas Zaļā kursa	Anna Mitrohina
	A Study on the Implementation of Green Supply Chain - A Comparative Analysis Between Small Scale Industries in India and Developed Nations	Alex Kiriyanthan
	Analysis Traffic Flow Around the Multimodal Terminal Using Simulation Model	Sofija Kostina

Parallel Session

SESSION #3 (Aud. 222)

Link to session 3: <https://meetings.tsi.lv/b/jel-gg9-lhi-vri>

Online only for Distant learning students

12:30-17:00 MARKET: RESEARCH, PROJECTS, TECHNOLOGIES AND PROBLEMS OF THE MODERN ECONOMY TIRGUS: PĒTĪJUMI, PROJEKTI, TEHNOLOĢIJAS UN MŪSDIENU EKONOMIKAS PROBLĒMAS		
Moderators:	Prof., Dr.sc.admin. Yulia Stukalina Assoc. Prof., Dr.oec Jelena Popova Assoc. Prof., Dr.psych. Ishgaley Ishmuhametov	
12:30-14:30	Theories of Economic Development	Abduboriy Khabibullaev
	Development of Social-Ecological Transformation Measures for Charles De Gaulle Airport	Sarah Liz Sookeeah
	Impact of Leadership Styles in Employee's Motivation in Automobile Industry in India	Hari Revi
	Relocation of a Tech Business: Challenges and Empirical Evidences	Nejmeddine Abdallah
	The Entry Strategy of A SME IT Into International Market	Vladimir Surkov
	Assessment of the Financial Stability of a Small Business in the Context of Globalization	Jelena Matajeva
14:30 – 14:45	Break	
14:45-17:00	Competitive Global Brands Governance in the Sports Industry	Daniil Kulikov
	Involvement of Women in STEM and its Impact on Digital Business Economy in Uzbekistan	Marfuna Bulayeva
	Digital Transformation and Labor Productivity Growth in Sub-Saharan Africa	Etian Boress Kemgou Voptia
	Talent Management Performance Assessment for Business	Jelena Samoilenko
	Factors Responsible for Airport Competitiveness	Mariia Vyshar
	Creation of Business Strategy for Flight School Development	Aleksandra Noskova

Special Session

SESSION #4 (Only ONLINE)

Link to session 4: <https://meetings.tsi.lv/b/jel-ygk-vlj-nhi>

15:00-17:00		
iDEAHUB INNOVATION PROJECT PRESENTATIONS iDEAHUB INOVĀCIJU PROJEKTU PREZENTĀCIJAS		
Moderators:	Jānis Volberts Vladimirs Petrovs	
15:00 – 17:00	Busee	Veronika Soldatyenkova, Artyom Chub
	Volkirion Coffee	Alexandra Volkova, Manu Viktors Vilks, Vasilijs Vilks, Saveliy Martynov, Samanta Kuznecova
	RoboScan Progress Review	Bogdans Grebeņevs, Nikita Travins
	StainSoft Progress Review	Andris Začs
	DiProGer Module Prototype for Reagents Storage and Processing	Viktorija Gerceva
	GoodLock Team, Continuous Transmission Power Optimization	Deniels Orlovskis