RaTSiF-2023

The 44th Research and Technology – Step into the Future Conference

Agenda

Date: 8th December 2023
Time: 10:00 – 17:00
Location: Transport and Telecommunication Institute

PLENARY SESSION (Aud. 130)

Link to Plenary Session: https://meetings.tsi.lv/b/jel-b2j-v8m-x92

PLENARY SESSION		
Moderators:	**Prof., Dr.oec. Inna Stecenko** **Prof., Ph.D. Emmanuel Merchan**	
10:00 – 12:00	Welcome Speech	**Prof., Dr.sc,ing. Irina Yatskiv (Jackiva)** Chairwoman of the Board Chief Executive Director, Transport and Telecommunication Institute, TSI (Latvia)
	Quantum Computing: Advancements and Challenges	**Ph.D. Raqueline Azevedo Medeiros Santos** Researcher at the Center for Quantum Computing Science, Faculty of Computing, University of Latvia
	Leveraging Data and AI to Shape Competitive Value Propositions	**Asst.Prof., Dr.sc.ing., Olga Zervina** Transport and Telecommunication Institute, TSI (Latvia)
	Socratic Method for Prompt Engineering – New Teaching Design	**Prof., Dr.sc.ing. Boriss Misnevs** Transport and Telecommunication Institute, TSI (Latvia)
Break		

Parallel Session

SESSION #1 (Aud. 130)

Link to Session #1: https://meetings.tsi.lv/b/jel-hv9-sba-3r0

12:30 – 16:45	COMPUTER PROBLEMS OF THE INFORMATION SOCIETY AND THE MODERN ELECTRONICS INFORMĀCIJAS SABIEDRĪBAS DATORIZĀCIJAS PROBLĒMAS UN MŪSDIENU ELEKTRONIKA	
Moderators:	**Prof., Dr.sc.ing. Dmitry Pavlyuk** **Prof. Dr.sc.ing. Boriss Misnevs**	
12:30 – 14:30	VPN Obfuscation Methods	Andris Začs
	Container Orchestration Platform Challenges on Kubernetes Example	Junaid Ahmed
	Application of Reinforcement Learning Methods for Test Case Prioritization	Oskars Koleda
	Stereoscopic Dataset Extraction on Fish Behavior from Video Recordings	Jurijs Malahovs
	Reconstruction of Hidden Parts of Human's Face in Face Recognition Problems (*online*)	Evgeny Tenenbaum
14:30 – 14:45	**Break**	
Moderators:	**Prof., Dr.sc.ing. Mihails Savrasovs** **Prof., Dr.sc.ing. Irina Pticina**	
14:45 – 16:45	Application of AI For Support Task Processing in a Multisystem Environment	Ilja Pozdejevs
	Agile Implementation Issues in Software Development at Public Sector in Latvia	Olga Gorgijoska
	Hilbert Transform Based Non-Data-Aided Carrier Offset Estimation Method (*online*)	Vladimirs Skļarovs
	The Influence of Big Data-Driven Decision-Making on Financial Project Success (*online*)	Dairis Usenieks
	Securing the Future of Remote Work: Novel Cyber Threat Mitigation Strategies (*online*)	Jana Kudinova

Parallel Session

SESSION #2 (Aud. I)

Link to Session #2: https://meetings.tsi.lv/b/jel-p3a-pon-x0q

12:30 – 14:15	TRANSPORT AND LOGISTICS TRANSPORTS UN LOĢISTIKA	
Moderators:	**Prof., Dr.sc,ing. Irina Yatskiv (Jackiva) Assoc. Prof., Dr.sc.ing. Gennady Gromov**	
12:30 – 14:15	Contemporary Logistics Services Procurement Process: Industry Data Based Model	Aleksandrs Kotlars and Valerijs Skribans
	Artificial Intelligence in Supply Chain Management in India	Ahammed Shaheen Alangadan
	Aspects of Sustainable Transportation in Military Logistics (*online*)	Inga Lencēviča
	Impact of Data Processing and Interpretation of Smart Containers on Enhancing Supply Chain Efficiency (*online*)	Jelena Kudrjavceva
14:15 – 14:30	Break	

Parallel Session

SESSION #3 (Aud. I)

Link to Session #3: https://meetings.tsi.lv/b/jel-dpj-pxb-yel

14:30 – 17:00	**MARKET: RESEARCH, PROJECTS, TECHNOLOGIES AND PROBLEMS OF THE MODERN ECONOMY AND BUSINESS TIRGUS: PĒTĪJUMI, PROJEKTI, TEHNOLOĢIJAS UN MŪSDIENU EKONOMIKAS UN BIZNESA PROBLĒMAS**	
Moderators:	**Prof., Dr.oec. Irina Kuzmina-Merlino Asst. Prof., Ph.D. Berdymyrat Ovezmyradov**	
14:30 – 17:00	Development of Business Model for Low-Cost Carrier Utilizing Regional Cargo Aircraft	Toms Sakalausks
	Improvement of Fatigue Management Methodologies Related To Flight Crew	Sofija Alomara
	The Integration of Artificial Intelligence in Management of Airline Operations Control Center (OCC) Processes	Christy Oommen Jacob
	Importance of Customer Communication in E-Commerce	Taley Muhammad
	Training and Development for Enhancing Employee Performance in the Hotel Industry	Sandeep Verma
	Process Optimization Through Lean Management in an Aircraft Maintenance Organization *(online)*	Nikita Lairand
	Risk and Threat Mitigation for Civil Aviation Flights over and near Conflict Zones *(online)*	Bexultan Zhailybayev
	Resilience in the Airline Industry: Key Factors for a Successful Airline Business in Crisis *(online)*	Stefan Bonhardt