



TRANSPORT AND
TELECOMMUNICATION
INSTITUTE

15-17

OCTOBER

10:00 - 18:00

RelStat

RELIABILITY AND STATISTICS IN TRANSPORTATION AND COMMUNICATION

AGENDA 2026

Reliability and Statistics in Transportation and Communication:
Wise Transport Systems under Digital Transformation

KEYNOTE SPEAKERS



Prof. Dr. Barbara Lenz

Professor for Transport Geography at Humboldt University Berlin, ex-Director of the Institute of Transport Research at the German Aerospace Centre (DLR), 2007-2021

Autonomous Driving in Public Transport - Adventure or progress? Options for the evolution of Public Transport from prospects of use



Prof. Dr. Walter Neu

Institute of Hyperloop Technology, Board of Directors, University of Applied Sciences Emden/Leer

Hyperloop - Shaping the future of high speed transportation



Prof. Dr. Shenle Pan

Full Professor of Logistics and Supply Chain Management, Co-Director of the Physical Internet Chair, Associate Head of the Center for Management Science at Mines Paris, PSL University

AI-driven Smart City Logistics: From Data Analytics To System Intelligence



**Giannis Kanellopoulos,
BCIS, MSE, MBA**

Team Leader of Logistics and Maritime at the Institute of Communications and Computer Systems (ICCS), Athens

Collaborative Logistics: The Physical Internet Concept, opportunities and challenges



RelStat

RELIABILITY AND STATISTICS IN TRANSPORTATION AND COMMUNICATION

15/10/2026

9:00-10:00 Registration (Aud. 130)

10:00-12:30 Opening and Plenary Session (Aud.130)

12:30-13:30 Lunch (Aud. 221)

PARALLEL SESSIONS

TIME	AUD.130	ROOM 220	AUD. I
13:30-15:30	Session 1 Sustainable Logistics	Session 2 Modelling and Prediction Using Machine Learning and AI	Session 3 Wise Transport Systems under Digital Transformation

15:30-16:00 Break

PARALLEL SESSIONS

TIME	AUD.130	ROOM 220	AUD.505
16:00-18:00	Session 4 Intelligent Transport Systems & Technologies	Session 2 Modelling and Prediction Using Machine Learning and AI	Session 5 Higher Education & Reskilling

18:30 Conference Dinner (Restaurant LIDO)



RelStat

RELIABILITY AND STATISTICS IN TRANSPORTATION AND COMMUNICATION

16/10/2026

PARALLEL SESSIONS

TIME	AUD.I	ROOM 220	AUD.130
10:00-12:30	Session 7 Digital Economy, Finance & Corporate Transformation	Session 6 Aviation Innovation & Safety Culture	Workshop <u>Women in Transport</u>

12:30-13:30 Lunch (Aud. 221)

PARALLEL SESSIONS

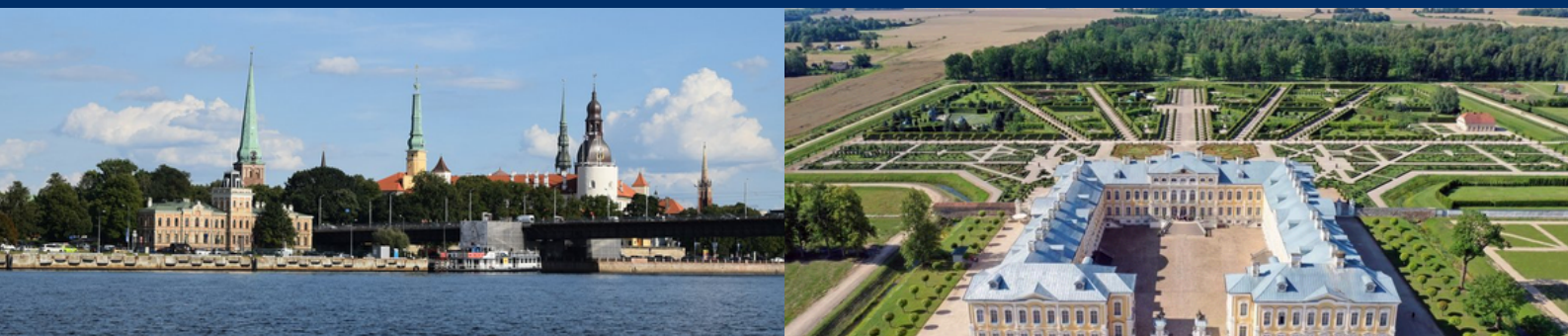
TIME	AUD.I	ROOM 220	AUD.222
13:30-16:00	Session 7 Digital Economy, Finance & Corporate Transformation	Session 6 Aviation Innovation & Safety Culture	Session 8 Logistics & Supply Chains

16:00-16:45 Closure of the Conference (Aud. 130)

17:30 – 19:30 Old Riga Town (Guided Walking Tour)

October 17, Saturday, 10:00-16:30 (optional)

Social Program
Guided bus tour to Rundale Palace



THURSDAY, OCTOBER 15

PLENARY SESSION (AUD.130)

Join Zoom Meeting: <https://meetings.tsi.lv/b/jel-flc-nn8-92a>

Moderator

TSI Vice-rector Prof. Dr. Dmitry Pavlyuk (Latvia)

10:00-10:10	Welcome Speech	Prof. Dr. Mihails Savrasovs, TSI Rector
10:10-12:30	Autonomous Driving in Public Transport – Adventure or progress? Options for the evolution of Public Transport from prospects of use	Prof. Dr. Barbara Lenz Professor for Transport Geography at Humboldt University Berlin, ex-Director of the Institute of Transport Research at the German Aerospace Centre (DLR), 2007-2021, Germany
	Hyperloop – Shaping the future of high-speed transportation	Prof. Dr. Walter Neu Institute of Hyperloop Technology, Board of Directors, University of Applied Sciences Emden/Leer, Germany
	AI-driven Smart City Logistics: From Data Analytics to System Intelligence	Prof. Dr. Shenle Pan Full Professor of Logistics and Supply Chain Management, Co-Director of the Physical Internet Chair, Associate Head of the Center for Management Science at Mines Paris, PSL University, France
	Collaborative Logistics: The Physical Internet Concept, opportunities and challenges	BCIS, MSE, MBA. Giannis Kanellopoulos Team Leader of Logistics and Maritime at the Institute of Communications and Computer Systems (ICCS), Athens, Greece
12:30-13:30	Lunch	
13:30-18:00	Parallel Sessions	

Session 1 (Aud. 130)

Online: <https://meetings.tsi.lv/b/jel-h2x-k9q-rk5>

SUSTAINABLE LOGISTICS

Moderators

Prof. Dr. Irina Yatskiv (Latvia)
BCIS, MSE, MBA Giannis Kanellopoulos (Greece)

13:30-15:30	INCENTIVES AND REWARDS FOR SUSTAINABLE URBAN LOGISTICS: CHALLENGES, EVIDENCE, AND FUTURE DIRECTIONS Mohammad Ali Amjadi Torshizi, Ken Koshy Varghese, Marzieh Afsari, Lory Michelle Bresciani Miristice, Guido Gentile (Italy)
	A CONFIGURABLE SIMULATION MODEL FOR FLEXIBLE RURAL LAST-MILE POSTAL DELIVERY: A LATVIJAS PASTS CASE STUDY Irina Yatskiv (Jackiva), Jurijs Tolujevs, Mihails Savrasovs, Julian Stephens (Latvia, UK)
	TECHNICAL REALISATION OF A SIMULATION-AS-A-SERVICE PLATFORM FOR TRANSPORTATION USING A LAYERED ARCHITECTURE Mihails Savrasovs, Irina Yatskiv (Jackiva), Jurijs Tolujevs, Irina Pticina (Latvia)
	A SIMULATION-BASED APPROACH TO RAILWAY TRESPASS PREVENTION IN SMART TRANSPORTATION NETWORKS: A CASE STUDY IN CROATIA Silvestar Grabušić, Danijela Barić (Croatia)
	A STRUCTURED DECISION LOGIC FOR INTEGRATING CARGO BIKES INTO MUNICIPAL VEHICLE FLEETS David Storm, Malte Kania, Hartmut Zadek (Germany)
	MEETING THE REQUIREMENTS FOR THE DIGITAL PRODUCT PASSPORT - BUT WHICH ONE? Johannes Mäule, Joshua Mohr, Karolin Heinrich, Florian Warschewske and Tobias Reggelin (Germany)
	TOWARDS A SUSTAINABLE BALANCED SCORECARD FOR GREEN TRANSITION OF REGIONAL AIRPORTS Kristjan Roosipold, Gunnar Prause, Wolfgang Dieter Gerstlberger (Estonia, Germany)
	TECHNICAL ASSESSMENT METHODS FOR LIGHT UNMANNED AERIAL VEHICLES: A REVIEW FROM CONVENTIONAL AVIATION TO SMALL-SCALE SYSTEMS ONLINE Bartłomiej Dziewoński, Artur Kierzkowski, Michał Stosiak and Mykola Karpenko (Poland, Lithuania)
15:30-16:00	Break

Session 2 (Aud. 220)

Online: <https://meetings.tsi.lv/b/jel-8ep-xhk-bxv>

MODELLING AND PREDICTION USING MACHINE LEARNING AND AI

Moderators

Prof. Dr. Dmitry Pavlyuk (Latvia)
As. prof. Dr. Nadezda Spiridovska (Latvia)

13:30-15:30	RELIABILITY-CONSTRAINED BINARY OPTIMIZATION FOR DYNAMIC DECISION SYSTEMS USING VARIATIONAL QUANTUM ALGORITHMS Alexey Leontyev (Latvia)
	AGENTIC AI SKILLS FOR RESILIENT SUPPLY CHAINS Maksim Ilin, Dmitry Pavlyuk (Latvia)
	SYNTHETIC DATA FOR ANTI-MONEY LAUNDERING TRANSACTION MONITORING AND MODEL EVALUATION Natalja Krjuckova, Nadezda Spiridovska (Latvia)
	NEURAL NETWORK-BASED PATH AND TRAJECTORY PLANNING FOR AUTONOMOUS VEHICLES IN CARLA Matteo D. Scholz, Walter J. Gillner, Ingo Schörwerth, Martin Silvan (Germany)
	PROMPT LANGUAGE EFFECTS ON CODE GENERATION: FUNCTIONAL CORRECTNESS AND COST EFFICIENCY UNDER HUMANEVAL+ Marc Donauer, Tao Yihui, Eli Zamir, Jurijs Tolujevs, Rhodora Magan, Athena-Su Dimou, Marc Fernandes, Christian Koot (Germany, Latvia, China, the Philippines)
	AI-SUPPORTED CRISIS AIR TRAFFIC MANAGEMENT: A DYNAMIC CONTINGENCY FRAMEWORK FOR GEORGIAN AIRSPACE Davit Lomadze, Nika Tikanashvili (Georgia)
	OPTIMAL SHARED BIKE REBALANCING UNDER UNCERTAIN DEMAND: DOUBLE-THRESHOLD POLICY Ksenija Lohina, Dmitry Pavlyuk (Latvia)
	DIFFERENTIAL GRAPH TRANSFORMER FOR TRAFFIC FORECASTING: A NEW APPROACH TO SPATIO-TEMPORAL PREDICTION ON ROAD NETWORKS Jelena Perevozckikova, Dmitry Pavlyuk (Latvia) ONLINE
	SHAP STABILITY INDEX: MEASURING EXPLANATION STABILITY AS A MODEL-SELECTION CRITERION IN FRAUD DETECTION Ibrahim Israfilov, Nadezda Spiridovska (Latvia) ONLINE
15:30-16:00	Break

Session 3 (Aud. I)

Online: <https://meetings.tsi.lv/b/jel-5id-vpb-x14>

WISE TRANSPORT SYSTEMS UNDER DIGITAL TRANSFORMATION

Moderators

Prof. Dr. Emmanuel Merchan Cruz (Latvia)

Prof. Dr. Walter Neu (Germany)

TRAC-TOR: EFFICIENT 32 BIT LOAD CHANGE ENCODING FOR PREDICTIVE MAINTENANCE IN TRANSPORTATION DIESEL ENGINES

Johannes Fellmeth, Nicolas Dolle, Christine Schmid, Christian Koot (Germany)

COMPARATIVE ASSESSMENT OF NUCLEAR, SOLAR AND PROSPECTIVE FUSION POWER SUPPLY FOR HYPERLOOP TRANSPORTATION SYSTEMS USING A SYSTEM DYNAMICS APPROACH

Aleksejs Vesjolijs (Latvia)

SMART ALGORITHMS FOR DYNAMIC MULTI-LEVEL ORGANIZATIONAL MODELLING IN TECHNICAL SYSTEM DESIGN

Harald Kitzmann, Soumic Sarkar, Toomas Nikolajev (Estonia)

ANALYSIS OF THE REINTEGRATION OF THE SUBURBAN TRAIN INTO THE MOBILITY SYSTEM OF THE CONSTANTINE METROPOLITAN AREA USING SWOT APPROACH

Abdelaziz Kahlouche, Sami Debbabi, Hafida Kahoul, Sidali Bacha (Algeria)

A RISK-BASED RELIABILITY INDICATOR MODEL FOR ASSESSING MILITARY MOBILITY CORRIDORS IN CENTRAL EUROPE

Paulina Zamelek (Poland)

HYBRID-ELECTRIC STOL DRONE MOTHERSHIP FOR BALTIC FOREST FIRE DETECTION

Veronika Bodrova, Evelina Litoša, Jekaterina Dudorova and Athena Su Dimou (Latvia)

INVESTIGATION OF ELECTRIC VEHICLE AC CHARGING EFFICIENCY AS A FUNCTION OF CHARGING RATE

Marius Mazeika, Darius Juodvalkis (Lithuania)

SHAPING THE START-UP OF A HYDROSTATIC TRANSMISSION USING PROPORTIONALLY CONTROLLED VALVES ONLINE ●

Michał Stosiak, Paulius Skačkauskas, Lijana Maskeliūnaitė and Mykola Karpenko (Poland, Lithuania)

TRANSPORT INNOVATIONS AND SUSTAINABLE URBAN MOBILITY IN BANGLADESH: A QUALITATIVE ANALYTICAL ASSESSMENT ONLINE ●

Ataul Karim Rukon (Latvia)

15:30-16:00

Break

INTELLIGENT TRANSPORT SYSTEMS & TECHNOLOGIES

Moderators

Prof. Dr. Mihails Savrasovs (Latvia)
As.prof. Dr. Samuel Moveh (Latvia)

15:30-17:30	LOW-LATENCY TELEOPERATION ARCHITECTURE FOR AUTONOMOUS MOBILE ROBOTS USING BINARY-ENCODED ROS2 MESSAGES Sabeeh Musharraf, Vasu Dev Mukku, Dimitar Iliev, Sönke Backmann, André Jordan, Hartmut Zadek (Germany)
	INFORMATION RISK REDUCTION IN MARITIME SINGLE WINDOW SYSTEM: A CONCEPTUAL ANALYSIS OF CENTRALISED DIGITAL REPORTING Tuulia Sillanpää, Miiko Y. Laine (Finland)
	A CONCEPTUAL FRAMEWORK FOR STRUCTURING MISSION-CRITICAL TRANSPORT: INSIGHTS FROM INSTITUTIONAL AND SCIENTIFIC LITERATURE Inga Lencēviča (Latvia)
	PERFORMANCE AND EMISSION FORECAST OF DIESEL ENGINE USING ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING (AI-ML) TECHNIQUES Sai Manoj Rayapureddy (Lithuania)
	MAPPING RISK MANAGEMENT 'BLACK HOLES' IN TRANSPORT INFRASTRUCTURE MEGAPROJECTS Anita Rudule-Jansone (Latvia)
	INVESTIGATION OF THE DEPENDENCE OF QUAD BIKE STABILITY ON RIDER SEATING POSITION Marius Mazeika, Darius Juodvalkis (Lithuania)
	FLEET DECARBONIZATION POTENTIAL OF PUBLIC TRANSPORT: A CO₂ EMISSION ASSESSMENT AND SCENARIO ANALYSIS OF VILNIUS PUBLIC TRANSIT ONLINE Rytis Engulaitis, Aldona Jarašūnienė (Lithuania)
	A STUDY ON IMPROVING WAREHOUSE OPERATIONS IN LITHUANIAN LOGISTICS COMPANIES THROUGH THE IMPLEMENTATION OF AUTOMATED SOLUTIONS ONLINE Kristina Vaičiūtė, Augustė Šiugždinytė, Greta Draugelytė and Gediminas Braziulis (Lithuania)
	METHODOLOGY FOR QUANTITATIVE ASSESSMENT OF TECHNICAL AND TECHNOLOGICAL COMPATIBILITY FOR INTERNATIONAL RAIL FREIGHT CORRIDORS: THE CASE OF UKRAINE-LITHUANIA Pavlo Holoborodko, Darius Bazaras, Svetlana Danilenko (Lithuania)
18:30	Conference Dinner (Restaurant LIDO, Krasta str., 76, Riga)

Session 2 (Aud. 220)

Online: <https://meetings.tsi.lv/b/jel-8ep-xhk-bxv>

MODELLING AND PREDICTION USING MACHINE LEARNING AND AI

Moderators

Prof. Dr. Ekaterina Gromova (Latvia)
Prof. Dr. Aleksandrs Grakovskis (Latvia)

15:30-17:30	FROM SHARED INTELLIGENCE TO COLLECTIVE ACTION: A REFERENCE MODEL FOR COLLECTIVE CYBER DEFENCE IN EUROPEAN CRITICAL INFRASTRUCTURE Jan Langrehr, Philipp Schlinsog, Christian Koot (Germany)
	A COMPARATIVE STUDY OF INTEGER LINEAR PROGRAMMING FORMULATIONS FOR THE TRAVELING SALESMAN PROBLEM IN PYTHON: PERFORMANCE AND MEMORY USAGE Jan Rieger, Christoph Mattmann, Dominik Hahn, Manfred Rössle, Daniel Gartner, Christine Schmid, Christian Koot (Germany)
	DIJKSTRA NAVIGATES GERMANY: A TANGIBLE MULTI-NODE ROUTING ARTIFACT FOR TRANSPORTATION AND DATA SCIENCE EDUCATION Florian Schmitz, Regina Kempen, Christian Koot (Germany)
	STRUCTURED GAME-THEORETIC EXPLANATIONS IN MACHINE LEARNING FOR ROAD COLLISION SEVERITY PREDICTION Ekaterina Gromova, Anjali Shibu (Latvia)
	ESTIMATION OF THE RADAR CROSS SECTION OF TYPICAL OBJECTS IN LOGISTICS ENVIRONMENTS USING THE 60 GHZ RADAR AND THEIR IDENTIFICATION BY NEURAL NETWORK METHODS Ivans Gercevs, Aleksandrs Kraiņukovs (Latvia)
	THE IMPORTANCE OF AI AND ML WITHIN AVIATION INDUSTRY Abdulali Baghiyev, Jurijs Tolujevs and Evelīna Budiloviča (Latvia)
	HYPERSPECTRAL IMAGE RECONSTRUCTION FROM RGB DATA: PROBLEMS AND SOLUTIONS Eduard Matosov, Alexander Grakovski (Latvia)
	RELIABILITY ASSESSMENT OF UAV MISSIONS IN INTELLIGENT TRANSPORT ENVIRONMENTS USING STATISTICAL CLUSTERING Svajone Bekesiene, Aidas Vasilis Vasiliauskas, Olga Navickienė (Lithuania)
	DESIGN OF A JOINT SEMANTIC AND LEXICAL EVALUATION FRAMEWORK FOR LLM QUESTION-ANSWERING WITH COSINE AND JARO-WINKLER SIMILARITY Evangelos D. Spyrou, Kornilia-Maria Kotoula, Vassilios Kappatos (Greece)
18:30	Conference Dinner (Restaurant LIDO, Krasta str., 76, Riga)

Session 5 (Aud. 505)

Online: <https://meetings.tsi.lv/b/jel-rbv-wlx-qpg>

HIGHER EDUCATION & RESKILLING

Moderators

Prof. Dr. Boriss Mišņevs (Latvia)
Prof. Dr. Yulia Stukalina (Latvia)

15:30-17:30	EPISTEMIC AGENCY AS A CORE UNIVERSITY COMPETENCE IN THE AGE OF GENERATIVE ARTIFICIAL INTELLIGENCE Boriss Misnevs, Igor Kabashkin (Latvia)
	PROMPT AS DIGITAL COMMUNICATION: MATCHING FUNCTIONAL MODELS TO TYPES OF LEARNING TASKS Ryhor Miniankou, Aliaksandr Puptsau (Lithuania)
	THE PADL INDEX AS A FRAMEWORK FOR ASSESSING PEDAGOGICAL, ANALYTICAL, AND DIGITAL LITERACY IN FUTURE-READY UNIVERSITIES Ioseb Gabelaia (Lithuania)
	NAVIGATING THE DIGITAL SHIFT: LABOR MOBILITY, SKILLS GAPS, AND INFRASTRUCTURE DEVELOPMENT IN SUBSAHARAN AFRICA ONLINE Etian Boress Kemgou Voptia, Yulia Stukalina (Latvia)
	FROM DIGITAL GAPS TO ECONOMIC GAINS: E-COMMERCE, LABOR REALLOCATION, AND SUSTAINABLE DEVELOPMENT IN SUB-SAHARAN AFRICA ONLINE Etian Boress Kemgou Voptia, Yulia Stukalina (Latvia)
	A DATA-DRIVEN SOCIAL MEDIA MARKETING COMMUNICATION MODEL FOR REDUCING DATA UNDERUTILISATION IN HIGHER EDUCATION Lada Širjajeva, Jekaterina Voznuka (Latvia)
18:30	Conference Dinner (Restaurant LIDO, Krasta str., 76, Riga)

Session 7 (Aud. I)

Online: <https://meetings.tsi.lv/b/jel-zas-nh8-4jk>

DIGITAL ECONOMY, FINANCE & CORPORATE TRANSFORMATION

Moderators

Prof. Dr. Svetlana Saksonova (Latvia)
Prof. Dr. Irina Kuzmina-Merlino (Latvia)

10:00-12:30

QUIET FIRING AND QUIET QUITTING AS BIDIRECTIONAL DRIVERS OF EMPLOYER INACTION AND EMPLOYEE DISENGAGEMENT IN POST PANDEMIC RECOVERY ERA

Ioseb Gabelaia (Latvia)

INFORMAL TRADE IN THE DIGITAL ECONOMY: PATHWAYS AND BARRIERS IN WEST AFRICA

Diane Aliou Yasmine, Yulia Stukalina (Latvia)

AI-DRIVEN MARKETING IN THE CASHLESS ECONOMY AND ITS ROLE IN DIGITAL PAYMENT ADOPTION, CONSUMER TRUST, ENGAGEMENT, AND FINANCIAL DECISION-MAKING CONFIDENCE

Ioseb Gabelaia, Jacques Hendieh, Jeffery W. McElroy, Sopiko Gabelaia (USA)

A CRITICAL REVIEW OF TRANSPARENCY AND EXPLAINABILITY IN AI-DRIVEN FINANCIAL DECISION-MAKING FOR CRISIS MANAGEMENT

Mehak Gupta, Yelena Popova (Latvia)

AI IMPACT AS ENDOGENOUS TECHNOLOGICAL CHANGE IN EUROPEAN BANKS

Nijat Masmaliyev (Latvia)

DIGITAL GOVERNANCE AND THE RESILIENCE OF PUBLIC SERVICE DELIVERY IN A FRAGILE CITY: A QUALITATIVE CASE STUDY OF MOGADISHU, SOMALIA ONLINE

Mustafa Yaasin Sheik, Dmitry Pavlyuk, Olga Zervina (Latvia)

THE IMPACT OF THE 30-DAY LOWEST PRICE REGULATION ON PRICE TRANSPARENCY AND CONSUMER PERCEPTION: AN AI-ASSISTED COMPETITIVE ANALYSIS AND SURVEY-BASED STUDY ONLINE

Kristīne Rozniece, Agnija Greiziņa, Jeļena Šalkovska, Anda Batraga (Latvia)

FACTORS INFLUENCING THE DEVELOPMENT OF PROGRAMMATIC ADVERTISING AND THEIR IMPACT ON INFORMATIONAL ARCHITECTURE ALIGNMENT IN LATVIA ONLINE

Ilgvars Rukers, Jeļena Šalkovska, Anda Batraga, Madara Stašāne, Nora Batraga (Latvia)

INVESTMENT EDUCATION AND PUBLIC PARTICIPATION IN THE STOCK MARKET IN LATVIA: CHALLENGES AND DEVELOPMENT OPPORTUNITIES ONLINE

Svetlana Saksonova, Dāvids Gūtmanis, Inna Stecenko (Latvia)

ANTI-MONEY LAUNDERING IN LATVIA: CURRENT TRENDS, CHALLENGES AND OPPORTUNITIES FOR IMPROVEMENT ONLINE

Svetlana Saksonova, Renārs Guliaks (Latvia)

ASSESSING THE ROLE AND IMPACT OF MOBILE TECHNOLOGIES IN THE LATVIAN CORPORATE SECTOR: AN EMPLOYER'S PERSPECTIVE ONLINE

Barba Lielbārde, Salvis Lielbārdis, Anda Batraga and Jeļena Šalkovska (Latvia)

Session 6 (Aud. 220)

Online: <https://meetings.tsi.lv/b/jel-k2f-upg-8we>

AVIATION INNOVATION & SAFETY CULTURE

Moderators

Prof. Hab. Dr. Igor Kabashkin (Latvia)
Assis. Prof. Dr. Adham Elmenshawy (Latvia)

STARLINK IN-FLIGHT CONNECTIVITY AS A DRIVER OF PASSENGERS’ GROWTH IN COMMERCIAL AVIATION

Iyad Alomar, Edvinas Titovecas (Latvia)

EFFECT OF COMPOSITE MATERIAL SELECTION ON THE ACTIVE TWIST PERFORMANCE OF HELICOPTER ROTOR BLADES

Andrejs Kovalovs (Latvia)

MAPPING VALUES IN BALTIC AIRPORTS: VER-BASED HOMEPAGE BENCHMARKING

Olga Zervina, Neil Rubens, Arturs Saveljevs (Latvia)

DIGITAL SHADOW-BASED RELIABILITY ASSESSMENT OF AIRCRAFT COMPONENTS WITH MODIFICATION IMPACT FACTOR ONLINE

Vitalii Susanin, Leonid Shoshin (Latvia)

PUBLIC-DATA-INFORMED SCENARIO BENCHMARKING FOR AVIATION-FUEL PROCUREMENT UNDER SUPPLY AND SAF COST STRESS

Egija Saulīte, Evelīna Budiloviča and Maksim Ilin (Latvia)

SURROGATE-BASED OPTIMIZATION OF ROTOR BLADE TIP GEOMETRY FOR ENHANCED HOVER EFFICIENCY

Pavithra Nagaraj, Timurs Mamiševs (Latvia)

AERODYNAMIC INTERACTIONS AND FLIGHT DYNAMICS OF OVER-ACTUATED EVTOL AIRCRAFT IN TRANSITION FLIGHT

Abderrahman Kaissi, Pavithra Nagaraj (Latvia)

THE IMPACT OF PSYCHOLOGICAL CAPITAL, WORK ENGAGEMENT AND JOB BURNOUT ON CABIN CREW SERVICE RECOVERY PERFORMANCE ONLINE

Khanh Huyen Vo, Dmitry Pavlyuk (Latvia)

Session (Aud. 130)

<https://us06web.zoom.us/j/86327389664?pwd=bPABA1kQhtYSv6yXTDyNVa4CNhbXnM.1>

Meeting ID: 863 2738 9664
Passcode: 317350

Workshop
WOMAN IN TRANSPORT
Separate Agenda

12:30-13:30

Lunch

Session 7 (Aud. I)

Online: <https://meetings.tsi.lv/b/jel-zas-nh8-4jk>

DIGITAL ECONOMY, FINANCE & CORPORATE TRANSFORMATION

Moderators

Prof. Dr. Inna Stecenko (Latvia)
As.prof. Dr. Olga Zervina (Latvia)

13:30-16:00	INTEGRATING AI WITH SAP AUDIT FRAMEWORKS: ECONOMIC ANALYSIS OF ENHANCED INTERNAL IT AUDIT EFFECTIVENESS IN THE BALTIC SEA REGION Artur Uzbekov, Andrei Surmach (Latvia)
	A REGIONAL APPROACH FOR AI-ASSISTED IT AUDIT ADOPTION IN THE BALTIC SEA REGION Artur Uzbekov, Andrei Surmach (Latvia)
	AI-ENABLED CUSTOMER COMMUNICATION AND E-COMMERCE PURCHASE BEHAVIOR IN SOUTH ASIA: A STRUCTURAL EQUATION MODELING APPROACH Taley Muhammad, Yulia Stukalina (Latvia)
	EVIDENCE-AWARE ASSESSMENT OF INFORMATION-FLOW RELIABILITY IN DIGITAL CONSTRUCTION ECOSYSTEMS Uldis Jansons, Mihail Savrasov (Latvia)
	BEYOND LINEAR LOGIC: MODELING INTERDEPENDENT CRITERIA IN PARENTAL DECISIONS TO HIRE OFFSPRING USING THE ANALYTIC NETWORK PROCESS Valerija Kozlova, Dmitry Pavlyuk (Latvia)
	ASSESSMENT OF THE PROSPECTS FOR THE DEVELOPMENT OF INTEGRATION PROCESSES IN CENTRAL ASIAN COUNTRIES Inna Stecenko, Badriddin Abidov, Svetlana Saksonova (Latvia)
	AI AND BIG DATA ANALYTICS FOR FINANCIAL INCLUSION AND DIGITAL FINANCIAL LITERACY IN THE SRI LANKAN BANKING SECTOR Nilusha Erangi (Latvia)
	THE ROLE OF SMALL BUSINESSES IN THE HOUSING AND COMMUNAL SERVICES DIGITAL ECOSYSTEM FORMATION Oleg Bulatov, Irina Kuzmina-Merlino (Latvia)
	ARTIFICIAL INTELLIGENCE IN IT AUDIT: A FRAMEWORK FOR ENHANCED EFFICIENCY AND EFFECTIVENESS IN THE TRANSPORT SECTOR Artur Uzbekov, Andrey Surmach and Ferangiz Abdurakhmonova (Latvia)
	SPORT GLOBALIZATION AND COMMERCIALIZATION: TRENDS, DRIVERS AND CONTEMPORARY PERSPECTIVES ONLINE Daniil Kulikov, Irina Kuzmina-Merlino, Guillaume Bodet (Latvia, France)
	HUMAN RESOURCE RISKS WITHIN THE FINANCIAL INDUSTRY ONLINE Yelena Popova, Olegs Cernisevs, Sergejs Popovs, Alvine Frolova, Ferangiz Abdurakhmonova (Latvia)
	AI-DRIVEN ENHANCEMENT OF THE KYC PROCESS IN COMMERCIAL BANKS ONLINE Natalia Konovalova. Aina Caplinska (Latvia)

Session 6 (Aud. 220)

Online: <https://meetings.tsi.lv/b/jel-k2f-upg-8we>

AVIATION INNOVATION & SAFETY CULTURE

Moderators

Prof. Dr. Iyad Alomar (Latvia)
Prof. Hab. Dr. Igor Kabashkin (Latvia)

13:30-16:00	PAIRED AIRCRAFT ENGINE RECOVERY AS A COORDINATED SCENARIO-SELECTION PROBLEM ONLINE Leonid Shoshin, Vitalii Susanin (Latvia, UAE)
	ASSESSMENT OF AN OPERATOR’S PROPENSITY FOR DECISION-MAKING ERROR TYPES IN AN OPERATIONAL CONTROL LOOP Kirils Klepackis, Vladimir Shestakov, Ibrahims Arandas, Normunds Krontals, K. Dasaratha Herath (Latvia)
	HUMAN-CENTERED DIGITAL TWIN FOR DYNAMIC COMPETENCY MANAGEMENT IN AIRPORT GROUND HANDLING OPERATIONS Rustam Togambayev, Iyad Alomar (Latvia)
	A THERMODYNAMIC AND AERODYNAMIC PERFORMANCE COMPARISON OF TWO CFM TURBOFAN ENGINES OF EQUAL RATED THRUST Adham Elmenshawy, Iyad Alomar, Gerson-Irán Maturano-Davalos (Latvia, Mexico)
	A SIMPLIFIED ANALYTICAL ASSESSMENT OF WAKE-VORTEX EFFECTS ON AIRCRAFT STABILITY DURING TAKEOFF Alexander Medvedev (Latvia)
	PRELIMINARY DESIGN OF A STOL AIRCRAFT FOR REMOTE AREA OPERATIONS Carlos Sancho Hernández, Rathan Babu Athota, Huynh Thinh Phat Phan, Chandavolu Priscilla Rao (Latvia, India)
16:00 -16:45	Closure of the Conference (Aud. 130).
17:30 -19:30	Old Riga Town (Guided Walking Tour)

Session 8 (Aud. 222)

Online: <https://meetings.tsi.lv/b/jel-sr4-7vq-alf>

LOGISTICS & SUPPLY CHAINS

Moderators

As.prof. Dr. Berdymyrat Ovezmyradov (Latvia)

As.prof. Dr. Aleksandrs Kotlars (Latvia)

IMPLEMENTATION OF A SATELLITE-BASED ALTERNATIVE TO UAV MONITORING IN AZERBAIJAN'S AGRICULTURAL SECTOR TO IMPROVE EFFICIENCY

Sadat Alizada, Inna Stecenko (Latvia)

OPPORTUNITIES FOR DEVELOPMENT OF TRANSPORT AND LOGISTICS IN CENTRAL ASIA AFTER SUPPLY CHAIN DISRUPTIONS IN 2020-2025

Berdymyrat Ovezmyradov, Ziyoda Mukhamedova, Akbar Jumayev, Bunyod Utanov and Gennady Gromov (Latvia)

INTEGRATING IOT INTO LOGISTICS & SUPPLY CHAIN MANAGEMENT

Olusola A. Ademola, Aleksandrs Kotlars (Latvia)

SMART LOGISTICS IN PRACTICE: EVALUATING THE ROLE OF IOT IN LOGISTICS SERVICE PROVIDERS

Marius Gelžinis, Aldona Jarasuniene (Lithuania)

REVERSE LOGISTICS FOR REUSABLE PACKAGING: BUSINESS MODELS FROM BALTIC SEA REGION

Svetlana Saidensal, Gunnar Prause (Estonia)

13:30-16:00

OPERATIONAL CHALLENGES IN THE APPLICATION OF UAV'S TO DIRECT LOGISTICAL SUPPORT OPERATIONS

Aidas Vasilis Vasiliauskas, Olga Navickienė (Lithuania)

CONSIDERATION OF TRANSIT INVENTORY IN NON-CIVILIAN APPLICATIONS OF ECONOMIC ORDER QUANTITY MODEL

Berdymyrat Ovezmyradov, Aidas Vasilis Vasiliauskas and Inga Lencēviča (Latvia, Lithuania)

BEYOND VARIANCE: AN INFORMATION-THEORETIC EXTENSION OF THE DIEBOLD-YILMAZ CONNECTEDNESS FRAMEWORK WITH EVIDENCE FROM EUROPEAN BANKING

Mehemmed Maharramov, Samir Garibov (Latvia)

RETHINKING SPILLOVERS: NONLINEAR VOLATILITY CONNECTEDNESS IN EUROPEAN FINANCIAL INSTITUTIONS – A SHAPLEY ATTRIBUTION APPROACH

Mehemmed Maharramov, Ibrahim Israfilov (Latvia)

EVALUATION OF INFORMATION SYSTEM FACTORS FOR MANAGEMENT OF TRANSPORTATION PROCESSES IN FREIGHT FORWARDING COMPANIES: LITHUANIAN CASE STUDY

ONLINE ●

Kristina Vaiciute, Ieva Sveikauskaite and Gintautas Bureika (Lithuania)

16:00-16:45

Closure of the Conference (Aud. 130).

17.30-19:30

Old Riga Town (Guided Walking Tour)