



## **PROGRAMME**

of the 18<sup>th</sup> International Conference

**“RELIABILITY and STATISTICS in  
TRANSPORTATION and COMMUNICATION”**

***(RelStat-2018)***

17–20 October 2018

Riga, Latvia

Transport and Telecommunication Institute

Lomonosova 1, 9-floor building

<http://RelStat.tsi.lv>

# PROGRAMME

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## “Reliability and Statistics in Transportation and Communication” (RelStat-2018)

17–20 October 2018. Riga, Latvia  
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Lomonosova 1, 9-floor building

Date	Time	Hall #1 (Aud. 130)	Hall #2 (Aud. 230)	Hall #3 (Aud. 223)	
16.10.2018	9.30-17.00	<b>Project Sci-Bi: Digitalization in Transport and Logistics. PhD Workshop</b>			
17.10.2018	13.30-14.00	Registration for Final Conference of Project ALLIANCE			
	14.00-17.30	<b>Project ALLIANCE. Final Conference</b>			
	18.00-20.00	Registration for RelStat'18			
	18.30	<b>Welcome Party (Hall #1)</b>			
18.10.2018	9.15 –14.00	<b>Registration</b>			
	10.00 –12.30	<b>Opening and Plenary Sessions</b>			
	12.30–13.30	<b>Lunch</b>			
	13:30 – 15:30	<b>Parallel Sessions</b>			
		<b>Session</b> Statistics and Modelling in Transport Applications	<b>Session</b> Transport for Smart City	<b>Session</b> Smart Solutions for Supply Chain Management	
	15:30 – 16:00	Coffee Break			
	16:00 – 18:00	<b>Parallel Sessions</b>			
		<b>Session</b> Statistics and Modelling in Transport Applications	<b>Session</b> Sustainable Aviation and Maritime Transport	<b>Session</b> Education and Training in Engineering (Project ALLIANCE)	
19:00	<b>Dinner (Restaurant “LIDO”)</b>				
19.10.2018	10:00 – 12:30	<b>Parallel Sessions</b>			
		<b>Session</b> Sustainable Transport Interchange (Project ALLIANCE)	<b>Session</b> Intelligent Transport Systems and Telematics	<b>Session</b> Sustainable Transport Development. Economics and Policy	
	12:30 – 13:30	<b>Lunch</b>			
	13:30 – 15:30	<b>Parallel Sessions</b>			
		<b>Session</b> Innovative Economics	<b>Session</b> Intelligent Transport Systems and Telematics	<b>Session</b> Reliability, Safety and Risk Management	
	15:30 – 16:00	Coffee Break			
	16:00 – 16:30	<b>Closing Session</b>			
16:30 – 18:30	<b>Social Programme</b>				
20.10.2018	09:00 – 15:00	<b>Social Programme</b>			

## TUESDAY, OCTOBER 16

9.30 – 17.00 **Project Sci-Bi: Digitalization in Transport and Logistics. PhD Workshop** (Hall#1 – Aud. 130)  
(Hall#1 – Aud. 130)

## WEDNESDAY, OCTOBER 17

9.00 – 17.00 Project ALLIANCE. WORKSHOP  
18:00–20:00 Registration (Hall#1 – Aud. 130)  
18:30 Welcome Party (Hall#1 – Aud. 130)

## THURSDAY, OCTOBER 18

09:15–10:00 *Registration and Welcome Coffee (Hall#1 – Aud. 130)*

10:00–10:15 *Opening Session (Hall#1 – Aud. 130). Moderator: TTI Vice-Rector, Prof. Irina Yatskiv (Latvia)*

- *TTI Acting Rector Juris Kanels (Latvia)*

10:15–12:30 *Plenary Session (Hall#1 – Aud. 130). Moderator: TTI Acting Rector Juris Kanels (Latvia)*

- **Prof. Enrique Onieva (Spain)**  
*Artificial Intelligence and Data Analysis Applications in Intelligent Transportation Systems*
- **Prof. Itzhak Benenson (Israel)**  
*SMART-PT: Adaptive Public Transport for a Smart City*
- **Prof. Gunnar Prause, Karin Reinhold, Marina Järvis, Eunice O. Olaniyi, Sigrid Kalle, Ülle Lahe (Estonia)**  
*The Socio-Economic Impact of Green Shipping: A Holistic View from the Baltic Sea Region*

12:30–13:30 *Lunch*

13:30–15:30 *Parallel Sessions*

15:30–16:00 *Coffee Break*

16:00–18:00 *Parallel Sessions*

19:00 *Dinner (Restaurant "LIDO")*

## FRIDAY, OCTOBER 19

10:00–12:30 *Parallel Sessions*

12:30–13:30 *Lunch*

13:30–15:30 *Parallel Sessions*

15:30–16:00 *Coffee Break*

16:00–16:30 *Closing Session*

16:30– 18:30 *Social Programme*

## SATURDAY, OCTOBER 20

09:00–15:00 *Social Programme*

Time	Hall #1 (Aud. 130)	Hall #2 (Aud. 230)	Hall #4 (Aud. 223)
16:00–18:00	<p><b>Session.</b>  <b>Statistics and Modelling in Transport Applications</b></p> <p>Moderators:  <i>Prof. Olegas Prentkovskis</i>  <i>As. Prof. Pavlyuk Dmitry</i></p>	<p><b>Session.</b>  <b>Sustainable Aviation and Maritime Transport</b></p> <p>Moderators:  <i>Prof. Darius Bazaras</i>  <i>Prof. Vladislav Lukinskiy</i></p>	<p><b>Session.</b>  <b>Education and Training in Engineering (Project ALLIANCE)</b></p> <p>Moderators:  <i>As. Prof. Mihails Savrasovs</i>  <i>Prof. Yulia Stukalina</i></p>
	<p>Spatiotemporal Feature Selection for Urban Traffic Flow Forecasting  <i>Dmitry Pavlyuk, Edgars Mertens (Latvia)</i></p> <p>Natural Language Processing Knowledge Network Approach for Interactive Highlighting and Summary  <i>Alexander Dudko, Tatiana Endrjukaitė, Yasushi Kiyoki (Latvia, Japan)</i></p> <p>Baltic Sea Region States in the Logistics Services' Market: Key Success Factors  <i>Elena Cherniavskaya (Russia)</i></p> <p>Fatigue Life Dependence on Non-Uniform Hardening Effect after Surface Rolling  <i>Aleksei Kurushin, Vitalijs Zaharevskis, Olegs Kovzels (Latvia)</i></p> <p>Identification of Reliability Models for Non-Repairable Railway Component  <i>Jaroslav Selech, Karol Andrzejczak (Poland)</i></p> <p>Feasible Path Planning Algorithm for City Road Network  <i>Paulius Skačkauskas, Edgar Sokolovskij (Lithuania)</i></p> <p>Generalised Gamma Distribution in the Corrective Maintenance Prediction of Homogeneous Vehicles  <i>Karol Andrzejczak, Jaroslaw Selech (Poland)</i></p> <p>Impact of Sulphate Reducing Bacteria on Biocorrosion of Pipe Steels  <i>Miroslava Polutrenko, Pavlo Maruschak, Olegas Prentkovskis, Anatolij Tymoshenko, Olena Maruschak (Ukraine, Lithuania)</i></p>	<p>Integrating Air Cargo Road Feeder Services into Green Transport Corridors  <i>Anatoli Beifert, Gunnar Prause (Germany, Estonia)</i></p> <p>Simulation Model of Check-In Management Regarding the IATA Level of Service Standards  <i>Artur Kierzkowski, Tomasz Kisiel, Maria Pawlak (Poland)</i></p> <p>Small and Medium-Sized Ports in the Digital Boom: The Case of Smart Growth and Sustainable Value Creation in the Regions  <i>Laima Gerlitz (Germany)</i></p> <p>Condition Monitoring of Helicopter Main Gearbox Planetary Stage  <i>Aleksey Mironov, Deniss Mironovs (Latvia)</i></p> <p>Research and Practical Application of Vibration Transfer Functions in Diagnostics of Jet Engine  <i>Aleksey Mironov, Pavel Doronkin, Deniss Mironovs (Latvia)</i></p> <p>Measurements of the Parameters of a Broadband Satellite Data Channel in the SAVSAT Ship System  <i>Aleksandr Krivchenkov, Aleksej Skrunds (Latvia)</i></p> <p>Assessment of Management Opportunity of Aircraft Spare Parts for Maintenance  <i>Murat Amelov, Alexander Medvedev (Latvia)</i></p>	<p>On Higher Education Realities: Supporting Education and Research  <i>Yulia Stukalina, Milan Pol (Latvia, Czech Republic)</i></p> <p>Developing a Marketing Strategy for a Higher Education Institution in the Agenda of Customer-Driven Education  <i>Olga Zervina, Yulia Stukalina (Latvia)</i></p> <p>E-Learning and E-Teaching Effectiveness: Academic Staff Perception  <i>Jekaterina Bierne, Anna Svirina, Jelena Titko (Latvia)</i></p> <p>Supporting Lifelong Learning in Transportation Industry – Alliance E-Learning Approach  <i>Irina Yatskiv (Jackiva), Mihails Savrasovs, Nadezda Pizika, Evelyn Fischer (Latvia, Germany)</i></p> <p>Application of Process Approach to Knowledge Management in Education Institutions: Competence Centres  <i>Natalia Salienko, Victoria Klyueva (Russia)</i></p> <p>Conflict Management in the Educational Process at the University  <i>Oksana Pozdnyakova, Anatoly Pozdnyakov (Latvia)</i></p> <p>Logistics Management Games for Actors of Geographically Distributed Supply Chains  <i>Tobias Reggelin and David Weigert (Germany)</i></p>
19:00	Dinner (LIDO)		