

PhD seminar “Sci-Bi: Digitalization in Logistics and Transport”

16 October 2018, 9:30-16:30

Venue: Transport and Telecommunication Institute
130 aud., Lomonosov street 1, Riga, Latvia

Moderator: TTI Vice-Rector, Prof. Irina Yatskiv (Latvia)

AGENDA

9:30 Welcome Coffee and registration	
10:00 Photo and Welcoming Remarks	Prof. Dr.sc.ing. Irina Yatskiv <i>Vice-Rector for Research and Development, TTI</i>
Plenary Section (Section 1) (10:15 – 11:15)	
Introductory Speech How (not) to write a PhD Thesis: A report on my experience	Dr.-Ing. Tobias Reggelin <i>"Otto von Guericke University Magdeburg, Institute of Logistics and Material Handling Systems (ILM), Germany"</i>
Possible effects of connected and automated driving on the economy, employment and skills: Open Research Questions	Prof. Dr.sc.ing. Irina Yatskiv <i>Vice-Rector for Research and Development, TTI</i>
Applying methods of artificial Intelligence for optimization in production and logistics	M.Sc. Sebastian Lang <i>"Otto von Guericke University Magdeburg, Institute of Logistics and Material Handling Systems (ILM), Germany"</i>
Discussion and Wrap-Up	
11:15 -11:30 Coffee break	
Section 2 (11:30 – 12:30)	
Feasible path planning algorithm for city road network	M.Sc. Paulius Skačkauskas <i>Vilnius Gediminas Technical University, Lithuania</i>
Simulation-driven artificial intelligence for solving stochastic combinatorial optimization problems in production and logistics	M.Sc. Ilya Jackson <i>Transport and Telecommunication Institute, Latvia</i>
An outlook for the use of cobots in Latvia	Andris Spūlis <i>RISEBA, Latvia</i>
Discussion and Wrap-Up	
12:30 – 13:30 Lunch break	

Section 3 (13:30 – 14:30)	
Multi-Layered approach to the UAV collision avoidance system	M.Sc. Dmitry Lancovs <i>Transport and Telecommunication Institute Riga, Latvia</i>
Smart warehouse concept and underlying technologies: state-of-the-art	M.Sc. Aleksandrs Avdeikins <i>Transport and Telecommunication Institute, Latvia</i>
Spatial planning scales in urban logistics	M.Sc. Tom Assmann <i>Fraunhofer Institute for Factory Operation and Automation IFF, Germany</i>
Discussion and Wrap-Up	
14:30 -14:45 Coffee break	
Section 4 (14:45 – 15:45)	
3D-Reconstruction of human's face in person's identification problem from video stream data	Fyodor Panchuk, Alexander Grakovski <i>Transport and Telecommunication Institute, Latvia</i>
An investigation of alternative methods for controlling the movement of ground vehicles in airports	Iyad Alomar <i>Transport and Telecommunication Institute, Latvia</i>
Evaluation of the impact of the number of picking locations on the total cost of warehouse	Raitis Apsalons <i>Transport and Telecommunication Institute, Latvia</i>
Discussion and Wrap-Up	
15:45 Concluding Remarks	
16:00 Get together	

- a. Smart Solutions in Logistics and Transport
- b. Decision-making on the basis of Modelling and Simulation
- c. Impacts on Economics and Society