

Young Researchers Seminar Vladimir Grabaurov 2016

26-27 October 2016

Belarusian National Technical University (BNTU)
220013, Minsk, Nezavisimosty Ave., 65

ABSTRACTS AND SESSIONS

Session 1 : Traffic Management 1

Tutor : Prof. Ernesto Cipriani, Roma Tre University of Rome (Italy)

Name	Surname	University	Title of abstract
Volha	Neuzorava	BelSUT	An expediency substantiation of and methods of using transport detectors to optimize traffic light control
Ekaterina	Vasilieva	BelSUT	The usage of simulation modeling for optimization of parameters of traffic lights regulation on the crossroads cycle
Dzmitry	Navoi	BNTU	Sustainable control with integrated navigation (Minsk city intelligent transportation system)
Alexander	Kuharchuk	BRSTU	Intelligent System of Traffic Signal Preemption for Safe Emergency Vehicles Movement on Urban Road Network

Session 2 : Traffic Management 2

Tutor : Dr. Davide Shingo Usami, Sapienza University of Rome (Italy)

Name	Surname	University	Title of abstract
Rudin	Yuryevich	BelSUT	The solution of actual transport tasks by means of imitating modelling
Ksenia	Dubenok	BNTU	Usage of intelligent transport systems for improving road safety
Alexandr	Evtuh	BRSTU	Program system of transport streams monitoring for an assessment of quality of the traffic organization on the basis of Herman-Prigozhin model

Alexandr	Tsaruk	BRSTU	Agent based microscopic traffic flow modeling using fuzzy logic
Sapa	Bayriyev	BSEU	Advanced technologies in road safety improvement

Session 3 : Accident analysis

Tutor : Prof. Jo Barnes, Loughborough University (UK)

Name	Surname	University	Title of abstract
Pavel	Stsiakolnikau	BNTU	Improving safety of transportation of the oversized and heavyweight cargo
Katsiaryna	Trapeznikava	BelSUT	Research of the influence of experience and age of drivers on the accidents by method of finding knowledge
Nadzeya	Otvalko	BelSUT	Analysis of the effect of driver`s character references on the accident rate
Veronika	Koronevskaya	BelSUT	The development of measures to reduce the number and severity of road accidents with the participation of pedestrians outside settlements
Tatiana	Lustenkova	BSEU	Workplace transport safety and road safety policy in retail company OMA LLC

Session 4 : ITS

Tutor : Prof. Giuseppe Loprencipe, Sapienza University of Rome (Italy)

Name	Surname	University	Title of abstract
Yuliya	Ninkina	BNTU	The use special means of intelligent transport system to improve road safety
Anastasiya	Shauchenka	BNTU	Road safety in freight transportation using ITS
Aliaksandr	Filipau	BelSUT	Service road fixing objects on web-maps
Kirill	Zabrodsky	BRSTU	Intelligent Transport Systems

Session 5 : Vulnerable Road Users and Powered two Wheelers

Tutor : Prof. Stergios Mavromatis, National Technical University of Athens (Greece)

Name	Surname	University	Title of abstract
Alena	Kaminskaya	BeISUT	The development of the project concept of cycling in the city of Gomel
Ekaterina	Brel	BeISUT	The development of cycling in the city of Gomel
Svetlana	Brel	BeISUT	Development of design technique for modern roundabouts
Stanislau	Prydybaila	BeISUT	Justification measures to improve the payback functioning of passenger transport in the regular message
Aliaksandra	Zhukava	BNTU	Intelligent transport systems in road safety