Silesian University of Technology Faculty of Transport



# Transport Problems 2016

Proceedings

VIII International Scientific Conference V International Symposium of Young Researchers

UNDER THE HONORARY
PATRONAGE OF THE SILESIAN GOVERNOR
AND MAYOR OF KATOWICE CITY

ISBN 978-83-935232-8-3

Transport Problems



## Silesian University of Technology Publication Faculty of Transport

# Edition and reviews

Prof. Aleksander Sładkowski

## **Technical edition**

Prof. Piotr Czech

Dr. Tomasz Haniszewski

Dr. Łukasz Konieczny

Dr. Damian Gąska

Dr. Grzegorz Peruń



Silesian University of Technology Faculty of Transport 40-019 Katowice, Krasińskiego st. 8, room 111 tel. +48 32 603 41 46 mail: tp@polsl.pl

#### V INTERNATIONAL SYMPOSIUM OF YOUNG RESEARCHERS

No.	Authors, Title	Pages	
		Begin	End
12.	Damian KOSICKI, Elżbieta PLUCIŃSKA	718	727
	MINIMISING RAIL TRAFFIC DISRUPTIONS DURING TRACKS RENEWAL AND MODERNIZATION		
13.	Dmytro KOZACHENKO, Roman VERNIGORA, Volodymyr BALANOV,	728	738
	Nazar SANNYTSKYY, Nikolay BEREZOVY, Tetiana BOLVANOVSKA		
	IMPROVING METHODS OF ESTIMATION OF THE UNIT TRAINS EFFECTIVENESS		
14.	Irina MAKAROVA, Rifat KHABIBULLIN, Ksenia SHUBENKOVA, Larisa GABSALIKHOVA	739	750
	DESIGNING THE CITY TRANSPORTATION SYSTEM DEVELOPMENT STRATEGY WITH ACCOUNT OF RISKS		
15.	Przemysław MARZEC, Łukasz KUS, Karol GÓRNIK, Henryk BĄKOWSKI	751	758
	PROJECT OF THE MODIFIED MICRO-CNC MILLING MACHINE FOR PERSONALIZED MARKING ELEMENTS PARTS IN MOTOR CAR		
16.	Dijana MISHKOSKA, Jasmina BUNEVSKA TALEVSKA	759	762
	PROPOSED SCENARIO FOR RECONSTRUCTION OF THE CENTRAL URBAN AREA IN PRILEP, MACEDONIA		
17.	Bogna MRÓWCZYŃSKA	<u>763</u>	770
	THE LOCALIZATION OF DISTRIBUTION CENTER OF NETWORK COOP IN THE VICINITY OF VIZOVICE		
18.	Keldim NASRETDINOV, Khusniddin ATABAEV	<u>771</u>	775
	TECHNOLOGY AND LOGISTIC APPROACHES FOR THE CARRIAGE AND OPERATION OF TRANSPORT VEHICLES IN URBAN AREAS		
19.	Martin NOVÁK, Jiří HERGESSEL	776	782
	NON-DESTRUCTIVE TESTING OF A PRIMARY AIRCRAFT		
	STRUCTURE USING THE BOND TESTER		
20.	Alexander NOVIKOV, Andrei KATUNIN, Ivan NOVIKOV, Anastasiya SHEVTSOVA	783	790
	RESEARCH OF ADAPTABILITY OF THE TRAFFIC LIGHTS TO ADVANCED CHARACTERISTICS OF THE TRAFFIC FLOW		
21.	Vojtěch NOVOTNÝ, Ivo NOVOTNÝ, Tomáš JAVOŘÍK	<u>791</u>	800
	TRAFFIC DATA EVALUATION AS PART OF PUBLIC TRANSPORT PRIORITY MEASURES ASSESSMENT		
22.	Piotr NOWAKOWSKI, Krzysztof SZWARC	801	810
	SUPPORTING OF THE MOBILE COLLECTION OF WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT BASED ON A WEB APPLICATION WITH THE INTEGRATED DATABASE		
23.	Piotr NOWAKOWSKI, Andrzej KALA	811	820
23.	THE ANALYSIS OF LOGISTICS SYSTEM OF WASTE FROM		
	SEPARATE COLLECTION WITH INTERMEDIATE POINTS IN RUDA ŚLĄSKA		