

# PERNER'S CONTACTS

Faculty of Transport Engineering

University of Pardubice



Electronical technical journal of technology, engineering and logistics in transport

Number: 2 Volume: XIII Date of edition: July 2018 ISSN 1801-674X

Number 2, Volume XIII, July 2018, 84 pages.

## Editors address:

University of Pardubice, Faculty of Transport Engineering  
Department of Transport Technology and Control  
Studentská 95, 532 10 Pardubice  
Tel.: +420 466 036 199, <http://pernerscontacts.upce.cz/>

## General editor:

doc. Ing. Jaromír Široký, Ph.D. – University of Pardubice, Faculty of Transport Engineering

## Editors:

Ing. Petr Nachtigall, Ph.D., Ing. Pavlína Hlavsová – University of Pardubice, Faculty of Transport Engineering

## Editorial board:

doc. Borna Abramović, Ph.D. – Faculty of Transport and Traffic Sciences, University of Zagreb  
prof. Dr. Gerhard Bahrenberg – University of Bremen, Fachbereich Sozialwissenschaften  
Dr. Zoltán Bokor, Ph.D. - Budapest University of Technology and Economics  
prof. Ing. Václav Cempírek, Ph.D. – College of Logistics, Přerov  
doc. dr. Zoran Čekerevac – UNION University Beograd, Faculty of Industrial Management  
prof. Dr. Jürgen Deiters – University of Osnabrück, Fachgebiet Geographie  
doc. Ing. Ivo Drahotský, Ph.D. – University of Pardubice, Faculty of Transport Engineering  
Dipl.-Ing. Steffen Dutsch – TU Dresden, Faculty of Transportation and Traffic Sciences “Friedrich List“  
Sven Erichson - Chamber of Commerce and Industry, Magdeburg  
Gábor Heves - The Regional Environmental Center, Szentendre  
doc. Ing. Rudolf Kampf, Ph.D. – The Institute of Technology and Businesses in České Budějovice  
doc. Ing. Martin Kendra, PhD. – University of Žilina, Faculty of Operation and Economics of Transport and Communications  
doc. Ing. Jaroslav Kleprlík, Ph.D. – University of Pardubice, Faculty of Transport Engineering,  
doc. Ing. Bohuš Leitner, PhD. - University of Žilina, Faculty of Security Engineering  
doc. Ing. Radovan Madleňák, PhD. – University of Žilina, Faculty of Operation and Economics of Transport and Communications  
prof. Ing. Jozef Majerčák, PhD. – University of Žilina, Faculty of Operation and Economics of Transport and Communications  
prof. dr hab. Elżbieta Marciszewska – Warsaw School of Economics, Department of Transport  
Wolfgang Mihlan - Chamber of Commerce and Industry, Magdeburg  
Ing. Jana Míková, Ph.D. – VŠB–Technical University of Ostrava, Faculty of Mechanical Engineering  
Dr. Jesús Gabriel Moreno Navarro – Universidad de Sevilla  
doc. Ing. Eva Nedeliaková, PhD. – University of Žilina, Faculty of Operation and Economics of Transport and Communications  
prof. Ing. Miloslav Seidl, PhD. - College of Logistics, Přerov  
Dipl.-Ing. Dr. techn. Andreas Schöbel, Institute of Transportation, Technical University Vienna  
Dipl.-Ing. Stephan Schröder - Bahnzentrum Ingenieurbüro, Bielefeld  
doc. Ing. Pavel Šaradín, CSc. – College of Logistics Přerov  
doc. Ing. Libor Švadlenka, Ph.D. – University of Pardubice, Faculty of Transport Engineering  
dr hab. inż. prof. Zenon Zamiar - Military Academy of Land Forces, Faculty of Engineering, Wrocław

## **CONTENTS:**

|  |    |
|--|----|
| <b>EVALUATION OF PARKING SITUATION IN PRESOV AND NITRA</b><br>Kristián Čulík, Alica Kalašová, Ján Palúch .....   | 5  |
| <b>THE ITALIAN WATER INLAND TRANSPORT SCENARIO AND MAJOR INLAND PORTS</b><br>Lorenzo Franchi, Andrej Dávid .....   | 14 |
| <b>MODELING OF THE EXTRAORDINARY EVENT CONSEQUENCES FOR THE<br/>TRANSPORT OF DANGEROUS SUBSTANCES</b><br>Katarína Kampová, Katarína Mäkká, Valéria Moricová.....                     | 28 |
| <b>REGIONAL AIRPORTS</b><br>Lenka Kontriková .....   | 35 |
| <b>WAYS OF IMPROOVING CAR SAFETY IN THE EU TROUGH REGULATION</b><br>Ľubomír Moravčík, Marek Jaśkiewicz .....   | 50 |
| <b>VEHICLE TAX AS AN INSTRUMENT OF PRICE COMPETITIVENESS FOR CARRIERS<br/>IN THE EU</b><br>Miloš Poliak, Juraj Hammer.....   | 57 |
| <b>THE RISK ANALYSIS OF DISPATCHING ACTIVITIES IN THE TRANSPORT COMPANY</b><br>Radka Prívarová.....  | 66 |
| <b>LOW-COST AIR CARRIERS COMPETING ON LONG-HAUL MARKETS? THE CASE<br/>STUDY OF SINGAPORE (SIN) – MELBOURNE (MEL) ROUTE</b><br>Anna Tomová, Alena Novák Sedláčková, Pavol Lokaj ..... | 74 |

# PERNER'S CONTACTS

Number 2, Volume XIII, July 2018, 84 pages.

## List of papers

Evaluation of parking situation in Presov and Nitra, 5-13

Low-Cost Air Carriers competing on Long-Haul Markets? The Case Study of Singapore (SIN) – Melbourne (MEL) Route, 74-84

Modeling of the Extraordinary event Consequences for the Transport of Dangerous Substances, 28-34

Regional Airports, 35-49

The Italian water inland transport Scenario and major inland Ports, 14-27

The Risk Analysis of Dispatching Activities in the Transport Company, 66-73

Vehicle tax as an instrument of price competitiveness for carriers in the EU, 57-65

Ways of improving Car Safety in the EU through Regulation, 50-56

# PERNER'S CONTACTS

Number 2, Volume XIII, July 2018, 84 pages.

## List of authors

Čulík, K., 5-13

Dávid, A., 14-27

Franchi, L., 14-27

Hammer, J., 57-65

Jaśkiewicz, M., 50-56

Kalašová, A., 5-13

Kampová, K., 28-34

Kontriková, L., 35-49

Lokaj, P., 74-84

Mäkká, 28-34

Moravčík, L., 50-56

Moricová, V. 28-34

Novák Sedláčková, A., 74-84

Palúch, J., 5-13

Poliak, M.,

Prívarová, R., 66-73

Tomová, A., 74-84

# PERNER'S CONTACTS

Number 2, Volume XIII, July 2018, 84 pages.

## List of reviewers

dr.h.c.prof. Ing. Ttaiiana Čorejová, PhD., University of Žilina, Faculty of Operation and Economics of Transport and Communications

doc. Ing. Pavel Drdla, Ph.D., University of Pardubice, Faculty of Transport Engineering

doc. Ing. Jozef Gašparík, PhD., University of Žilina, Faculty of Operation and Economics of Transport and Communications

doc. Ing. Rudolf Kampf, Ph.D., The Institute of Technology and Businesses in České Budějovice

doc. Ing. Jaroslav Kleprlík, Ph.D., University of Pardubice, Faculty of Transport Engineering

doc. Ing. Bohuš Leitner, PhD. - University of Žilina, Faculty of Security Engineering

prof. Ing. Miloš Poliak, PhD., University of Žilina, Faculty of Operation and Economics of Transport and Communications

Ing. Katarína Petřlová, PhD., Silesian University, Mathematical Institute in Opava

Ing. Stephan Schröder, Bahnzentrum Ingenieurbüro Bielefeld

doc. Ing. Vladimír Smřž, Ph.D., University of Defence in Brno

Ing. Branislav Šarkan, PhD., University of Žilina, Faculty of Operation and Economics of Transport and Communications

doc. Ing. Jaromír Široký, Ph.D., University of Pardubice, Faculty of Transport Engineering