

# PERNER'S CONTACTS



Electronical technical journal of technology, engineering and logistic in transport

Number: 2 Volume: V Date of edition: July 2010

ISSN 1801-674X

Number 2, Volume V, July 2010, 105 pages.

## Editors address:

University of Pardubice, Jan Perner Transport Faculty  
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, Jan Perner Transport Faculty

## Editors:

Ing. Petr Nachtigall, Ph.D. – University of Pardubice, Jan Perner Transport Faculty  
Ing. Hana Císařová – University of Pardubice, Jan Perner Transport Faculty

## Editorial board:

prof. Dr. Gerhard Bahrenberg – University of Bremen, Fachbereich Sozialwissenschaften  
doc. Ing. Václav Cempírek, Ph.D. – University of Pardubice, Jan Perner Transport faculty  
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, Jan Perner Transport faculty  
doc. Ing. Rudolf Kampf, Ph.D. – University of Pardubice, Jan Perner Transport Faculty  
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, Jan Perner Transport Faculty  
Ing. Martina Lánská, Ph.D. – Czech Technical University in Prague, Faculty of Transportation Science  
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  
Ing. Jana Míková, Ph.D. – VŠB–Technical University of Ostrava, Faculty of Mechanical Engineering  
doc. Ing. Antonín Peltrám, CSc. – Institute for European Integration Prague  
prof. Ing. Miloslav Seidl, PhD. - University of Žilina, Faculty of Special Engineering  
doc. Ing. Pavel Šaradín, CSc. – College of Logistics Přerov  
doc. Ing. Libor Švadlenka, Ph.D. – University of Pardubice, Jan Perner Transport Faculty

This technical paper is issued 4 times a year and two additional issued in English language. Each paper is reviewed by two reviewers and is not salaried.

## **CONTENTS:**

<b>THE POSSIBILITIES OF SPECIFIC INFORMATION SYSTEMS UTILIZATION FOR ROAD TRANSPORT OF DANGEROUS GOODS</b>	
Pavĺina Brořov	4
<b>INTERCHANGING POINTS IN PUBLIC PASSENGER MASS TRANSPORT</b>	
Josef Bulıček	12
<b>MAASVLAKTE 2 – A NEW PART OF THE PORT OF ROTTERDAM</b>	
Andrej David, Miroslava Mikuřov	18
<b>MODELLING OF THE TRAFFIC IMPACT OF THE ROAD R3 ON CITY OF MARTIN</b>	
Marian Gogola	23
<b>TRANSPORT AND COHESION POLICY IN THE CZECH REPUBLIC IN THE PERIOD 2007-2013</b>	
Oldřich Hajek, Jiřı Novosak	29
<b>FREIGHT AND LOGISTICS ADVANCEMENT IN CENTRAL/SOUTH-EAST EUROPE - PROJECT FLAVIA</b>	
Petr Nachtigall, Jaromır řıroky	42
<b>MODERNIZATION OF PASSANGER VEHICLES IN RAILWAY TRANSPORT</b>	
Zdeněk Pıšek	46
<b>DEVELOPMENT OF ROAD FREIGHT TARIFF</b>	
Miloř Poliak	51
<b>SERVICE QUALITY IN LOGISTICS AND TRANSPORT OF FLOWERS AND LIVING PLANTS</b>	
Adela Poliakova	61
<b>TRANSPORTATION OF DANGEROUS GOODS AND NECESSARY PREPARATION OF PERSONS</b>	
Miloslav Seidl, Miroslav Tomek	71
<b>SCIENTIFIC - RESEARCH ACTIVITIES ON SECURITY LEVEL</b>	
Ladislav řımak	80
<b>INNOVATIVE SYSTEM FOR THE TRANSPORTATION OF PAPER</b>	
Jaromır řıroky	87
<b>RFID ITEM LEVEL TAGGING</b>	
Juraj Vaculık, Ivan Michalek	99

# PERNER'S CONTACTS

Number 2, Volume V, July 2010

## List of papers

- Development of road freight tariff, 51-60
- Freight and logistics advancement in Central/South-East Europe – project Flavia, 42-45
- Innovative system for the transportation of paper, 87-98
- Interchanging Points in Public Passenger Mass Transport, 12-17
- Maasvlakte 2 – a new part of the port of Rotterdam, 18-22
- Modelling of the traffic impact of the road R3 on city of Martin, 23-28
- Modernization of passenger vehicles in railway transport, 46-50
- RFID Item Level Tagging, 99-105
- Scientific - research activities on security level, 80-86
- Service quality in logistics and transport of flowers and living plants, 61-70
- The Possibilities of Specific Information Systems utilization for Road Transport of Dangerous goods, 4-11
- Transport and cohesion policy in the Czech republic in the period 2007-2013, 29-41
- Transportation of dangerous goods and necessary preparation of persons, 71-79

## List of authors

- Brožová, P., 4-11
- Bulíček, J., 12-17
- Dávid, A., 18-22
- Gogola, M., 23-28
- Hájek, O., 29-41
- Michálek, I., 99-105
- Mikušová, M., 18-22
- Nachtigall, P., 42-45
- Novosák, J., 29-41
- Píšek, Z., 46-50
- Poliak, M., 51-60
- Poliaková, A., 61-70
- Seidl, M.,
- Šimák, L., 80-86
- Široký, J., 42-45, 87-98
- Tomek, M., 71-79
- Vaculík, J., 99-105

# PERNER'S CONTACTS

Number 2, Volume V, July 2010

## List of reviewers

doc. Ing. Ladislav Bína, CSc., ČVUT v Praze, FD, ÚŘDPL  
Ing. Josef Bulíček, Ph.D., Univerzita Pardubice, DFJP, KTRD  
Ing. Juraj Čamaj, Ph.D., Žilinská univerzita v Žiline, FPEDaS, KŽD  
doc. Ing. Ivo Drahotský, Ph.D., Univerzita Pardubice, DFJP, ÚADN  
doc. Ing. Pavel Drdla, Ph.D., Univerzita Pardubice, DFJP, KTRD  
doc. Ing. Zdeněk Dvořák, Ph.D., Žilinská univerzita v Žiline, FŠI, KTVI  
Ing. Jan Famfulík, Ph.D., VŠB–TU Ostrava, FS, ID  
doc. Ing. Jozef Gašparík, Ph.D., Žilinská univerzita v Žiline, FPEDaS, KŽD  
Ing. Marián Gogola, Ph.D., Žilinská univerzita v Žiline, FPEDaS, KCMD  
doc. Ing. Rudolf Kampf, CSc., Univerzita Pardubice, DFJP, KDMML  
doc. Ing. Rudolf Kampf, Ph.D., Univerzita Pardubice, DFJP, KDMML  
Ing. Jan Ližbetin, Ph.D., Žilinská univerzita v Žiline, FPEDaS, KŽD  
doc. Ing. Bohuš Leitner, Ph.D., Žilinská univerzita v Žiline, FŠI, KTVI  
Ing. Zuzana Lokšová, Ph.D., Žilinská univerzita v Žiline, FPEDaS, KCMD  
doc. Ing. Radovan Madleňák, Ph.D., Žilinská univerzita v Žiline, FPEDaS, KS  
Ing. Jana Míková, Ph.D., VŠB–TU Ostrava, FS, ID  
doc. Ing. Tatiana Molková, Ph.D., Univerzita Pardubice, DFJP, KTRD  
Ing. Eva Nedeliaková, Ph.D., Žilinská univerzita v Žiline, FPEDaS, KŽD  
prof. Ing. Pavel Poledňák, Ph.D., Žilinská univerzita v Žiline, FŠI, KPI  
doc. Ing. Miloš Poliak, Ph.D., Žilinská univerzita v Žiline, FPEDaS, KCMD  
Mgr. Nataša Pomazalová, Ph.D., Mendelova univerzita v Brně, FRRMS  
Ing. Stephan Schröder, Bahnzentrum Ingenieurbüro Bielefeld  
doc. Ing. Jaromír Široký, Ph.D., Univerzita Pardubice, DFJP, KTRD  
prof. Ing. Marián Šulgan, Ph.D., Žilinská univerzita v Žiline, FPEDaS, KCMD  
doc. Ing. Libor Švadlenka, Ph.D., Univerzita Pardubice, DFJP, KDMML  
doc. Ing. Miroslav Tomek, Ph.D., Žilinská Univerzita v Žiline, FŠI, KTVI  
doc. RNDr. Antonín Tuzar, CSc., ČVUT v Praze, FD, ÚŘDPL