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Tools of Transport Telematics

15th International Conference on Transport Systems Telematics, TST 2015
Wrocław, Poland, April 15–17, 2015
Selected Papers
Preface

It is a pleasure to welcome you to the selected papers of the 15th International Conference on Transport Systems Telematics. The 15th event in the series was held at the Wroclaw University of Technology Congress Center, during which the latest achievements and applications of telematics systems in practice were presented. The conference was organized by the Polish Association of Transport Telematics, together with the Polish Chamber of Commerce for High Technology.

Intelligent cities are becoming a reality in Europe today. Advanced technologies are transforming towns into smart cities. We can observe a dynamic increase in the importance of ITS applications. During the previous 14 editions of our meetings, we had the opportunity to observe and participate in the development of these solutions. The range of topics and the number of participants have grown significantly since then. To keep up with the pace of development in telematics applications, in the TST 2015 conference the topics of road, rail, air and ship transport were extended to include city telematics.

Not by accident, the first conference in a new form was held in Wroclaw. In recent years, the city has become a training ground for development and implementation of modern intelligent transport systems. We had the possibility to gain understanding of this type of system covering 150 road intersections of the fourth largest city in Poland, through which important European, national, and provincial roads pass.

The aim of the conference was to present the newest trends in transport improvement, arising in connection with the present worldwide telematics achievements and to share experience and exchange opinions between transport-related practitioners and scientists. Participation in the conference was an excellent opportunity to present current achievements and outline the direction of developments in transport telematics.

This year the conference was a part of the forum “Mobile City – Challenge of the Future.” The forum was held under the patronage of the Union of Polish Metropolises, the Association of Polish Cities, and the Ministry of Infrastructure and Development. The key topic of the forum were conditions of development and modernizing of urban transport systems, including the functioning of support instruments of the projects undertaken in this respect. Urban mobility is on the most important factors impacting the quality of life of a city’s inhabitants and its economic efficiency, and it is also one of the most difficult problems that Polish and European cities face today. During the sessions and exhibitions accompanying the forum, the most advanced technological solutions improving urban mobility and facilitating traffic management were presented. Therefore, the event was a perfect opportunity to share experience and discuss improvements in urban transport systems and mobility. The papers published in this volume were reviewed (double-blind review) by independent reviewers in accordance with the Scientific Committee’s criteria for high quality.

April 2015

Jerzy Mikulski
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## Contents

Data Flows in Urban Freight Transport Management System .......................... 1  
*Stanisław Iwan and Krzysztof Malecki*

Multicriteria Decision Support in Designing Transport Systems .................... 11  
*Marianna Jacyna and Mariusz Wasiak*

Impact of Road Conditions on the Normal Reaction Forces on the Wheels of a Motor Vehicle Performing a Straightforward Braking Maneuver ............. 24  
*Jarosław Zalewski*

Video Processing for Detection and Tracking of Pedestrians and Vehicles at Zebra Crossings ................................................................. 34  
*Witold Czajewski, Paweł Mrówka, and Piotr Olszewski*

Control of Coordinated Systems Traffic Lights. Cloud Computing Technology ......................................................................................... 45  
*Elżbieta Grzejszczyk*

Utility of Information from Road Weather Stations in Intelligent Transport Systems Application ............................................................................. 57  
*Artur Rygula, Krzysztof Brzozowski, and Aleksander Konior*

Computer Aided Implementation of Logistics Processes – Selected Aspects ... 67  
*Ilona Jacyna-Golda, Konrad Lewczuk, Emilian Szczepański, and Jakub Murawski*

Algorithm for Analysis of Road Surface Degradation .................................. 81  
*Marián Hruboš, Aleš Janota, and Igor Miklóšik*

Safety Analysis of Accidents Call System Especially Related to In-Land Water Transport Based on New Telematic Solutions .............................. 90  
*Tomasz Perzyński, Andrzej Lewiński, and Zbigniew Łukasik*

Modeling of Process of Maintenance of Transport Systems Telematics with Regard to Electromagnetic Interferences ........................................... 99  
*Miroslaw Siergiejczyk, Jacek Pas, and Adam Rosinski*

Model of the Hierarchical Process of Managing the Approaching Air Traffic in the Terminal Area ................................................................. 108  
*Jacek Skorupski*

Innovative Control System for High Efficiency Electric Urban Vehicle ........... 121  
*Karol Cichoński and Wojciech Skarka*
Information System for Drivers Within the Integrated Traffic Management System - TRISTAR .............................................. 131
   Jacek Oskarbski, Marcin Zawisza, and Michal Miszewski

Software Quality Assurance in e-Navigation .......................... 141
   Adam Weintrit

Software Simulation of an Energy Consumption and GHG Production in Transport ......................................................... 151
   Tomas Skrucany, Martin Kendra, Branislav Sarkan, and Jozef Gnáp

Traffic Processes Models in Traffic Water Engineering Systems .................. 161
   Piotr Majzner

Motor Vehicle Safety Technologies in Relation to the Accident Rates ...... 172
   Ján Kapusta and Alica Kalašová

Concept of a Telematics System Model in Crisis Management .......... 180
   Andrzej Bujak and Mariusz Topolski

Proposal of on-Line Key Management System Solutions for Railway Applications Based on Asymmetric Cryptography ............. 188
   Mária Franeková, Peter Lüley, Karol Rástočný, and Juraj Ždánsky

Transformations in the Ticket Distribution Network for Public Urban Transport in the Processes of Implementation of Electronic Fare Collection Systems ....................................................... 198
   Grzegorz Dydkowski

Safety Management System in the Railway Board Activity - An Outline of Issues ............................................................ 210
   Jerzy Mikulski, Beata Grabowska-Bujna, and Sonia Wieczorek

Performance Analysis of Authentication Protocols Used Within Cooperative - Intelligent Transportation Systems with Focus on Security .... 220
   Ján Ŏurech, Mária Franeková, Peter Holečko, and Emília Bubeníková

Improvement of Public Transportation as an Instrument of Transport Policy in Cities of Agglomeration ........................................ 230
   Ryszard Janecki

Comparison of Efficiency of Vehicle Detection and Classification System on Multilane Road ............................................. 244
   Artur Rygula, Andrzej Maczyński, and Paweł Piwowarczyk

Analysis of the Problem of Interference of the Public Network Operators to GSM-R ...................................................... 253
   Marek Sumiła and Andrzej Miszkiewicz
Rail Traffic Remote Control Systems Within the Areas Affected by the Occurrence of Mining Damage and Railway Safety .......................... 264
   Beata Grabowska–Bujna, Sonia Wieczorek, and Jerzy Mikulski

Problems of Maritime Radio Systems Integration with E-navigation ........ 274
   Karol Korcz

Hazardous Failure Rate of the Safety Function .................................... 284
   Karol Rástočný and Juraj Ždánsky

Telematics Applications, an Important Basis for Improving the Road Safety ... 292
   Alica Kalašová, Peter Faith, and Jerzy Mikulski

Relation of Social Legislation in Road Transport on Driver’s Work Quality ... 300
   Miloš Poliak and Adela Poliaková

Key Challenges and Problems in Conducting Independent Evaluations of the Adequacy of the Risk Management Process in Rail Transport .... 311
   Adam Jabłoński and Marek Jabłoński

Pricing Policy After the Implementation of Electronic Ticketing Technology in Public Urban Transport: An Exploratory Study in Poland .......................... 322
   Anna Urbanek

Navigational Information Exchange and Negotiation System ...................... 333
   Zbigniew Pietrzykowski and Jacek Skorupski

Electric Taxis in Berlin – Analysis of the Feasibility of a Large-Scale Transition ......................................................... 343
   Joschka Bischoff and Michal Maciejewski

Development of Electronic Payments in Poland Using the Example of Local and Regional Collective Transport ................................. 352
   Barbara Kos

Dependencies Between Development of Information and Communications Technologies and Transport ......................................................... 362
   Joanna Kos-Łabędowicz

Transport Telematics Development in the New European Cohesion Policy ... 371
   Kinga Okrzesik-Faruga and Robert Tomanek

Author Index ......................................................................................... 379