

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 one of 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.

Tools of Transport Telematics

15th International Conference on Transport Systems

Telematics, TST 2015, Wrocław, Poland, April 15-17,

2015. Selected Papers

Mikulski, J. (Ed.)

2015, XI, 379 p. 130 illus. in color., Softcover

ISBN: 978-3-319-24576-8