

Contents

Part I Deployment of ITS in Road Transport

Autonomic Transport Management Systems—Enabler for Smart Cities, Personalized Medicine, Participation and Industry Grid/Industry 4.0	3
Jörn Schlingensiepen, Florin Nemtanu, Rashid Mehmood and Lee McCluskey	

Increase of City Transport System Management Efficiency with Application of Modeling Methods and Data Intellectual Analysis. . .	37
Irina Makarova, Rifat Khabibullin, Eduard Belyaev and Vadim Mavrin	

ITS Services Packages as a Tool for Managing Traffic Congestion in Cities	81
Renata Źochowska and Grzegorz Karoń	

The Traffic Flow Prediction Using Bayesian and Neural Networks.	105
Teresa Pamuła and Aleksander Król	

Dimensioning of Multiple Capacity Transport Line with Mutual Traffic Correlation	127
Srećko Krile	

Part II ITS Case Studies

Design of an ITS for Industrial Enterprises.	161
Alexandr Rakhmangulov, Aleksander Ślaskowski and Nikita Osintsev	

European Rail Traffic Management System (ERTMS).	217
Jakub Młyńczak, Andrzej Toruń and Lucyna Bester	

Intelligent Transport Systems in Aerospace Engineering	243
Anatoliy Kulik and Konstantin Dergachev	

**Intelligent Transportation Systems – Problems and
Perspectives**

Śladkowski, A.; Pamuła, W. (Eds.)

2016, IX, 303 p. 113 illus., Hardcover

ISBN: 978-3-319-19149-2