

## CONTENTS

<b>Otto Plášek</b> .....	3
<b>FOREWORD</b>	
<b>Tomáš Brandejský</b> .....	6
Problems of EN 50 128:2011 Railway Standard	
<b>Michal Drábek</b> .....	8
On Efficient Operational Concept of Future High-speed Railway in the Czech Republic	
<b>Michal Drábek, Vít Janoš, Zdeněk Michl</b> .....	10
On Operation of 740 m Long Freight Trains on Czech TEN-T Railway Network	
<b>Petr Guziur</b> .....	12
Design Parameters of Buffer Stops	
<b>Vít Janoš, Milan Kříž</b> .....	14
Infrastructure Parameters Affecting Capacity of Railways in TEN-T	
<b>Dušan Kamenický</b> .....	16
Traffic Management System in Terms of Data Exchange	
<b>Tomáš Kertis, Dana Procházková</b> .....	18
Assessors of Model Metro Station and Their Criticality	
<b>Petr Kouřecký</b> .....	20
Selected Aspects of ETCS-L3 Development	
<b>Radek Kratochvíl, Mária Jánešová, Jiří Vopava</b> .....	23
Modernization of Railway Stations Česká Lipa and Karlovy Vary with the Expected Co-financing from European Funds from OPD2	
<b>Petr Nachtigall, Martin Škárek</b> .....	25
Railway Infrastructure Capacity Management for ad-hoc Trains on the SŽDC Network	
<b>Otto Plášek</b> .....	27
Current Challenges for Research Activities in the Field of Railway Infrastructure	
<b>Jan Procházka, Dana Procházková</b> .....	29
Criticality of Transportation Infrastructure in the Czech Republic	

<b>Přemysl Šrámek, Tatiana Molková .....</b>	<b>31</b>
The Priority of International Freight Expresses in the Overlapping Section of RFC 7 and RFC 9 Kolín - Česká Třebová	
<b>Jan Valehrach, Jaroslav Šmíd.....</b>	<b>33</b>
Monitoring of Track Sections with Long-Pitch Corrugation	
<b>Jiří Vopava, Mária Jánešová, Radek Kratochvíl .....</b>	<b>35</b>
Deployment of ERTMS in Czech Republic	