## Contents

### Part I  Sustainability Logistics

**Electric Mobility in Last Mile Distribution.** ........................................ 3  
Matthias Klumpp

**Green Technologies and Smart ICT for Sustainable Freight Transport** ........................................ 15  
Chara Georgopoulou, Nikolaos M. P. Kakalis, Harilaos N. P. Psaraftis, Valerio Recagno, Sara Fozza, Panagiotis Zacharioudakis and Agnes Eiband

**Corporate Social Responsibility Management of Small and Medium Sized Logistics Service Providers** ........................................ 35  
Nora Meyer and Imke Schmidt

### Part II  Intralogistics

**Collaborative Detection of Autonomous Transport Vehicles** ........ 49  
Andreas Kamagaew and Michael ten Hompel

**3D-Computer Vision for Automation of Logistic Processes** ........ 67  
Hendrik Thamer, Daniel Weimer, Henning Kost and Bernd Scholz-Reiter

**“Staplerauge”: A Framework for Camera-Based Sensor Functions on Forklift Trucks** ........................................ 77  
Matthias Jung, Frank Hohenstein and Willibald Günthner

### Part III  Transport Logistics

**Integrated System for Combining Decisional Problems in a Distribution Centre** ........................................ 91  
David Cipres, Carlos Millan, Ander Errasti and Emilio Larrode
Measurement and Optimization of Delivery Performance in Industrial Railway Systems ........................................ 109
Uwe Clausen and Maike Rotmann

Development of a Logistics Reference Model for Subsurface Construction ........................................... 121
Georg Judmaier and Helmut Zsifkovits

Part IV Logistics Facilities

A Life-Cycle Approach to Characterizing Environmental Impact of Logistics Equipment in Container Ports:
An Example of Yard Trucks .................................................. 135
Nenad Zrnić and Andrija Vujičić

Throughput Maximization of Parcel Sorter Systems
by Scheduling Inbound Containers. ................................. 147
S. W. A. Haneyah, J. M. J. Schutten and K. Fikse

Model Based Systems Engineering and Warehouse Design ........ 161
Leon McGinnis, Michael Schmidt and Detlef Spee
Efficiency and Innovation in Logistics
Proceedings of the International Logistics Science Conference (ILSC) 2013
Clausen, U.; Hompel, M.t.; Meier, F. (Eds.)
2014, XII, 178 p., Hardcover
ISBN: 978-3-319-01377-0