

Preface

Continuing in the footsteps of the three previous international conferences on Dynamics in Logistics, LDIC 2014 was the fourth event in this series to be held in Bremen (Germany) from February 10 to 14, 2014. The conference was accompanied by a “Doctoral Workshop” as well as the “InTraRegio International Dialog Event” and the “MAPDRIVER Kickoff Meeting” as satellite events. Similar to its predecessors LDIC 2007, LDIC 2009, and LDIC 2012, the Bremen Research Cluster for Dynamics in Logistics (LogDynamics) of the University of Bremen organized the conference in cooperation with the Bremer Institut für Produktion und Logistik (BIBA), which is a scientific research institute affiliated to the University of Bremen.

The conference is concerned with the identification, analysis, and description of the dynamics of logistic processes and networks. The spectrum reaches from the modeling and planning of processes over innovative methods like autonomous control and knowledge management to the new technologies provided by radio frequency identification, mobile communication, and networking. The growing dynamic confronts the area of logistics with completely new challenges: it must become possible to rapidly and flexibly adapt logistic processes and networks to continuously changing conditions. LDIC 2014 provided a venue for researchers from academia and industry interested in the advances in dynamics in logistics induced by new technologies and methods. The conference addressed research in logistics from a wide range of fields including engineering, business administration, computer science, and mathematics.

The LDIC 2014 proceedings consist of 72 papers including 10 young researcher papers selected by a strong reviewing process. The volume is organized into the following main areas:

- Shared Resources, Planning, and Control,
- Synchronization,
- Technology Application in Logistics,

- Transport and Green Logistics,
- Supply Chain Management, and
- Frameworks, Methodologies, and Tools.

There are many people whom we have to thank for their help in one or the other way. For pleasant and fruitful collaboration we are grateful to the members of the program and organization committee:

Michael Bourlakis, Cranfield (UK)
 Sergey Dashkovskiy, Erfurt (Germany)
 Neil A. Duffie, Madison (Wisconsin, USA)
 Enzo M. Frazzon, Florianópolis (Brazil)
 Michael Freitag, Bremen (Germany)
 Kai Furmans, Karlsruhe (Germany)
 David B. Grant, Hull, Yorkshire (UK)
 Axel Hahn, Oldenburg (Germany)
 Bonghee Hong, Pusan (Korea)
 Alamgir Hossain, Newcastle upon Tyne (UK)
 Hamid Reza Karimi, Agder (Norway)
 Kap Hwan Kim, Pusan (Korea)
 Aseem Kinra, Copenhagen (Denmark)
 Matthias Klumpp, Essen (Germany)
 Antônio G.N. Novaes, Florianópolis (Brazil)
 Kulwant S. Pawar, Nottingham (UK)
 Marcus Seifert, Osnabrück (Germany)
 Alexander Smirnov, St. Petersburg (Russia)
 Gyan Bahadur Thapa, Kathmandu (Nepal)
 Dieter Uckelmann, Stuttgart (Germany)

Carrying the burden of countless reviewing hours, we wish to thank our secondary reviewers Jannicke Baalsrud Hauge, Till Becker, Tobias Buer, Matthias Busse, Jens Eschenbaecher, Stephanie Finke, Julia Funke, Rosa Garcia Sanchez, Carmelita Görg, Hans-Dietrich Haasis, Florian Harjes, Jens Heger, Jan Heitkötter, Otthein Herzog, Aleksandra Himstedt, Michael Hülsmann, Reiner Jedermann, Frank Kirchner, Herbert Kopfer, Hans-Jörg Kreowski, Thomas Landwehr, Walter Lang, Michael Lawo, Burkhard Lemper, Marco Lewandowski, Michael Lütjen, Rainer Malaka, Afshin Mehrsai, Jasmin Nehls, Jürgen Pannek, Moritz Rohde, Ingrid Rügge, Jörn Schönberger, Kristian Schopka, Xin Wang, Dirk Werthmann, Stefan Alexander Wiesner, and Jochen Zimmermann for their help in the selection process. We are also grateful to Aleksandra Himstedt, Ingrid Rügge, Marco Lewandowski, and countless other colleagues and students for their support in the local organization and the technical assistance during the conference. Special thanks go to Ingrid Rügge and Aleksandra Himstedt for organizing the “Doctoral Workshop” as well as the “InTraRegio International Dialog Event” and the “MAPDRIVER Kickoff Meeting.” Moreover, we would like to acknowledge the financial support by the BIBA, the Research Cluster for Dynamics in Logistics

(LogDynamics), and the University of Bremen. Finally, we appreciate the excellent cooperation with Springer-Verlag, which continuously supported us regarding the proceedings of all LDIC conferences.

Bremen
September 2015

Herbert Kotzab
Jürgen Pannek
Klaus-Dieter Thoben

Dynamics in Logistics

Proceedings of the 4th International Conference LDIC,
2014 Bremen, Germany

Kotzab, H.; Pannek, J.; Thoben, K.-D. (Eds.)

2016, XV, 727 p. 208 illus. in color., Hardcover

ISBN: 978-3-319-23511-0