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,
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