

Preface

Continuing in the footsteps of the four previous International Conferences on Dynamics in Logistics, LDIC 2016 was the fifth event in this series to be held in Bremen (Germany) from February 22 to February 25, 2016, this year in conjunction with the 7th IFAC Conference on Management and Control of Production and Logistics—IFAC MCPL 2016. The LDIC 2016 was accompanied by an Internet of Things (IoT) Workshop as well as by the 1st LogDynamics Summer School (LOGISS) 2016 as satellite events. Similar to its predecessors LDIC 2007, LDIC 2009, LDIC 2012, and LDIC 2014, 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 was concerned with dynamic aspects of logistic processes and networks. The spectrum of topics reaches from modeling, planning and control of processes over supply chain management and maritime logistics to innovative technologies and robotic applications for cyber-physical production and logistic systems. The growing dynamic confronts the area of logistics with completely new challenges: it must become possible to describe, identify and analyze the process changes. Moreover, logistic processes and networks must be redesigned to be rapidly and flexibly adaptable to continuously changing conditions. LDIC 2016 addressed scientists in logistics, operations research, production and industrial engineering, and computer science and aimed at bringing together researchers and practitioners interested in dynamics in logistics.

The LDIC 2016 proceedings consist of 43 papers selected by a strong reviewing process. The volume is organized into the main areas

- Distributed and Collaborative Planning and Control,
- Predictive Analytics and Internet of Things and Services,
- Technology Application in Logistics,
- Transport, Maritime and Humanitarian Logistics,
- New Business Models, and
- Frameworks, Methodologies and Tools.

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