

## Program LDIC 2014

Monday, February 10 <sup>th</sup> , 2014	
9:00 - 17:00	<b>Doctoral Workshop</b> (BIBA Conference Room)
15:00 - 17:00	<b>Pre-Registration</b> (BIBA Hall)

Tuesday, February 11 <sup>th</sup> , 2014			
8:30	Registration		
9:00	<b>D1K: Welcome, Introduction &amp; Keynote Day 1</b> (BIBA Auditorium) Klaus-Dieter Thoben, University of Bremen Bernd Scholz-Reiter, University of Bremen Kai Furmans, Karlsruhe Institute of Technology: Plug & Play Material Handling Systems		
10:30	<b>Coffee Break</b> (BIBA Hall)		
11:00	<b>D1T1S1: LDIC Day 1, Track 1, Slot 1</b> (BIBA Auditorium) Chair: Till Becker <b>Shared Ressources in Logistics</b> Jörn Schönberger, Herbert Kopfer, Herbert Kotzab: A micro- and macro-economic view on shared resources in logistics Sören Brandt, Jochen Zimmermann: The Regulation of Shared Resources - Impacts on the Logistics Sector Aline Monika Gefeller, Jörn Schönberger: Shared Transport Systems – A new Chance for Intermodal Freight Transport?	<b>D1T2S1: LDIC Day 1, Track 2, Slot 1</b> (BIBA Conference Room) Chair: Marcus Seifert <b>Frameworks, Methodologies and Tools</b> Tomi Heikki Sorasalmi, Joona Tapani Tuovinen: Entering Emerging Markets: A Dynamic Framework Azita Sherej Sharifi: Evaluate project performance Marcos Ronaldo Albertin, Heráclito Lopes Jaguaribe Pontes, Enzo Morosini Frazzon, Enio Rabelo Frota: Industrial Performance Assessment through the Application of a Benchmarking and Monitoring System	<b>D1T3S1: LDIC Day 1, Track 3, Slot 1</b> (IW3 Auditorium) Chair: Walter Lang <b>Food Supply Chains</b> Karol Furdik, Ferry Pramudianto, Matts Ahlsén, Peter Rosengren, Peeter Kool, Song Zhenyu, Paolo Brizzi, Marek Paralic: Food traceability chain supported by the ebbits IoT middleware Antonio G.N. Novaes, Orlando F. Lima Jr, Carolina C. Carvalho, Edson T. Bez: Dynamic temperature control in the distribution of perishable food Chanaka Prasarako Lloyd, Reiner Jedermann, Walter Lang: Airflow behavior under different loading schemes and its correspondence to temperature in perishables transported in refrigerated containers
12:30	<b>Lunch</b> (Mensa)		
14:00 - 18:00	MAPDRIVER Kick-off (WING)		

14:00	<p><b>D1T1S2: LDIC Day 1, Track 1, Slot 2</b> (BIBA Auditorium) Chair: Otthein Herzog <b>Technology Application in Logistics</b></p> <p>Florian Peppel, Martin Müller, Miguel Silveira, Lars Thoroer, Malte Schmidt, Michael Schenk: Applying product-integrated RFID Transponders for Tracking Vehicles across the Automotive Life-Cycle</p> <p>Farhan Ahmad, Safdar Nawaz Khan Marwat, Yasir Zaki, Carmelita Görg: Machine-to-Machine Sensor Data Multiplexing using LTE-Advanced Relay Node for Logistics</p> <p>Antonio Lotito, Jan Heitkötter, Moritz Quandt, Thies Beinke, Michele Pastorelli: Eco- and cost-efficient personal E-mobility in Europe - An innovative concept for the informational synchronization between E-vehicle-users and the smart grid of the future by using NFC-Technology</p>	<p><b>D1T2S2: LDIC Day 1, Track 2, Slot 2</b> (BIBA Conference Room) Chair: Herbert Kopfer <b>Freight Transport</b></p> <p>Aseem Kinra, Herbert Kotzab, Frederic Wessel: Macro-Institutional Complexity in Logistics: The Case of Eastern Europe</p> <p>Kristian Schopka, Xin Wang, Herbert Kopfer: A Five-Step-Approach for Dynamic Collaborative Transportation Planning on Hard Time Horizon</p> <p>Eduardo Francisco Israel, Enzo Morosini Frazzon, Ann-Kristin Cordes, Bernd Hellingrath, André Albrecht Lopes: Analysis of Operational Supply Chain Planning Methods for the Integration of Spare Parts Supply Chains and IMS</p>	<p><b>D1T3S2: LDIC Day 1, Track 3, Slot 2</b> (IW3 Auditorium) Chair: Michael Lawo <b>Green Logistics</b></p> <p>Fang Li, Hans-Dietrich Haasis, Irina Dovbischuk: Challenges and Solutions towards Green Logistics under EU-Emission Trading Scheme</p> <p>Matthias Klumpp, Nihat Engin Toklu, Vassilis Papapanagiotou, Roberto Montemanni, Luca Maria Gambardella: Green Bullwhip Effect Cost Simulation in Distribution Networks</p> <p>Michael Stie Laugesen, Hanna Baster, Nadia Green, Tessa T Taefi, Jochen Kreutzfeldt, Tobias Held, Rob Konings, Richard Kotter, Sara Lilley, Stefan Jacobsson, Martin Borgqvist, Camilla Nyquist: A Comparative Analysis of European examples of Schemes for Freight Electric Vehicles. A systematic case study approach with examples from Denmark, Germany, The Netherlands, Sweden and the UK</p>
15:30	<b>Coffee Break</b> (BIBA Hall)		
16:00	<p><b>D1T1S3: LDIC Day 1, Track 1, Slot 3</b> (BIBA Auditorium) Chair: Hans-Jörg Kreowski <b>Synchronization in Vehicle Routing</b></p> <p>Dorota Slawa Mankowska: Synchronization in Vehicle Routing: Benders' Decomposition for the Home Health Care Routing and Scheduling Problem</p> <p>Julia Funke, Herbert Kopfer: Container flows and truck routes in inland container transportation</p> <p>Jörn Schönberger, Herbert Kopfer: Heterogeneity of Velocity in Vehicle Routing –Insights from Initial Experiments operation time synchronization</p>	<p><b>D1T2S3: LDIC Day 1, Track 2, Slot 3</b> (BIBA Conference Room) Chair: Tobias Buer <b>Planning and Controlling Methods / Autonomous Control</b></p> <p>Max Gath, Otthein Herzog, Maximilian Vaske: The Impact of Shortest-Path Searches on Dynamic Autonomous Transport Scheduling</p> <p>Jürgen Pannek, Tom Naundorf, Matthias Gerdt: Autonomous Control Strategy for High Precision Marking of Drill Holes using a Mobile Robot</p> <p>Florian Harjes, Bernd Scholz-Reiter: Savings potential through autonomous control in the distribution of rental articles</p>	<p><b>D1T3S3: LDIC Day 1, Track 3, Slot 3</b> (IW3 Auditorium) Chair: Enzo Morosini Frazzon <b>Supply Chain Management</b></p> <p>Daniel Dreßler, Ulrike Beißert, Torben Beyhoff, Thomas Wirtz: A concept for an integrated transport management system in distributed production networks</p> <p>Fasika Bete Georgise, Klaus-Dieter Thoben, Marcus Seifert: Adapting the SCOR Model Deliver and Source Processes for the Manufacturing Firms in the Developing Countries</p> <p>Jafar Rezaei: A matchmaking assignment model for supply chain partnership</p> <p>Eduardo Francisco Israel, Enzo Morosini Frazzon, Ann-Kristin Cordes, Bernd Hellingrath, André Albrecht Lopes: Analysis of Operational Supply Chain Planning Methods for the Integration of Spare Parts Supply Chains and IMS</p>
17:30	<b>Get together</b> (BIBA Hall)		

Wednesday, February 12 <sup>th</sup> , 2014				
8:30	Registration			
9:00	<b>D2K: Introduction &amp; Keynote Day 2</b> (BIBA Auditorium) Herbert Kotzab, University of Bremen Inga-Lena Darkow, BASF SE: Supply Chain Strategy Development in Global Networks			
10:30	Coffee Break (BIBA Hall)			
11:00	<b>D2T1S1: LDIC Day 2, InTraRegio, Slot 1</b> (BIBA Conference Room) InTraRegio Transnational Workshop on Intermodal Transport Planning	<b>D2T2S1: LDIC Day 2, Track 2, Slot 1</b> (BIBA Auditorium) Chair: Jörn Schönberger <b>Transport in Emerging Markets</b> Hualong Yang: Segmented Procurement Optimization of Container Multimodal Transport Service Based on Convergent Combination Fasika Bete Georgise, Klaus-Dieter Thoben, Marcus Seifert: Application of the Adapted SCOR Model to the Leather Industry: An Ethiopian Case Study Boonsub Panichakarn: Multimodal Transportation Strategy for Southern of Thailand: A Study of Water Transportation Connect to Road Transportation of Containerized Transporters	<b>D2T3S1: LDIC Day 2, Track 3, Slot 1</b> (IW3 Auditorium) Chair: Frank Kirchner <b>Innovative Technological Approaches in Logistics I</b> Stephan Oelker, Marco Lewandowski: Preactive Maintenance - A modernized approach for efficient operation of offshore wind turbines Moritz Rohde, Gualtiero Fantoni, Jacopo Tilli, Rafael Ernits: A challenge for automation in logistics: gripping systems for automatically unloading of coffee sacks Orthodoxos Kipouridis, Moritz Roidl, Willibald A. Günthner, Michael ten Hompel: Cloud-based Platform for Collaborative Design of Decentralized Controlled Material Flow Systems in Facility Logistics	<b>D2T4S1: LDIC Day 2, Track 4, Slot 1</b> (IW3 Conference Room) Chair: Ingrid Rügge <b>Learning and Education in Logistics</b> Helen Rogers, Christos Braziotis: Current Issues in Teaching Logistics Management Susanne Altendorfer, Helmut Zsifkovits: Lab-enriched Logistics education - Current status and future opportunities at the example of the chair of Industrial Logistics at the Montanuniversität Leoben Jannicke Baalsrud Hauge, Nils Meyer-Larsen, Rainer Müller: Improving the understanding of Supply Chain interaction and Security issues among students through the Application of Business Games
12:30	Lunch (Mensa)			

14:00	<b>D2T1S2: LDIC Day 2, InTraRegio, Slot 2</b> (BIBA Conference Room) InTraRegio Transnational Workshop on Intermodal Transport Planning	<b>D2T2S2: LDIC Day 2, Track 2, Slot 2</b> (BIBA Auditorium) Chair: Klaus-Dieter Thoben <b>Production Logistics</b>  Till Becker: Application of Topological Network Measures in Manufacturing Systems  Michael Christoph Teucke: Managing the Life Cycle of IT-Based Boundary Objects in Production and Logistics Networks  Andrew Hardin, Jason Zutty, Gisele Bennett, Ningjian Huang, Gregory Rohling: Optimization of a Factory Line using Multi Objective Evolutionary Algorithms	<b>D2T3S2: LDIC Day 2, Track 3, Slot 2</b> (IW3 Auditorium) Chair: Reiner Jedermann <b>Innovative Technological Approaches in Logistics II</b>  Muhammad Zeeshan Baig, Yasir Mehmood, Yasar Ayaz: A BCI System Classification Technique using Median Filtering and Wavelet Transform  Safir Issa, Walter Lang: Airflow Simulation inside Reefer Containers  Marco Franke, Hans-Jörg Kreowski, Karl Hribernik, Sabine Kuske, Klaus- Dieter Thoben, Caro von Totth: Towards a compre- hensive approach to the transformation of logistic models	<b>D2T4S2: LDIC Day 2, Track 4, Slot 2</b> (IW3 Conference Room) Chair: Jannicke Baalsrud Hauge <b>Innovation in Logistics</b>  David Cipres, Lorena Polo, Alberto Capella: Innovation in transport logistics - Best practices from the EU project LOGINN  Åse Jevinger, Paul Davidsson: Toward Dynamic Expiration Date: an Architectural Study  Thomas Nils, Helen Rogers: Responsible Innovation in Supply Chains: Insights from a Car Development Perspective
15:30	<b>Coffee Break</b> (BIBA Hall)			
16:00	<b>D2T1S3: LDIC Day 2, InTraRegio, Slot 3</b> (BIBA Conference Room) InTraRegio Transnational Workshop on Intermodal Transport Planning	<b>D2T2S3: LDIC Day 2, Track 2, Slot 3</b> (BIBA Auditorium) Chair: Rainer Malaka <b>Planning and Controlling / Mathematical Approaches</b>  Mykhaylo Postan: Application of Semi- Markov Drift Processes to Logistic Systems Modeling and Optimization  Kap Hwan Kim, Yeong Su Choi: Optimizing mixed storage and re-marsha- ling plans  Gyan Bahadur Thapa, Silvestrov Sergei: Supply Chain Logistics in Multi-Level Just-in-Time Production Sequencing Problems	<b>D2T3S3: LDIC Day 2, Track 3, Slot 3</b> (IW3 Auditorium) Chair: Dieter Uckelmann <b>Cyber-Physical Systems and Internet of Things</b>  Yasir Mehmood, Thomas Pötsch, Safdar Marwat, Camelita Görg: Impact of M2M Traffic on LTE Data Traffic Performance  Marco Franke, Bogdan- Constantin Pirvu, Dennis Lappe, Bala-Constantin Zamfirescu, Marius Veigt, Konstantin Klein, Karl Hribernik, Klaus-Dieter Thoben, Matthias Loskyll: Interaction Mechanism of Humans in a Cyber- Physical Environment  Muawia Ramadan, Mohammed Alnahhal, Bernd Noche: RFID- enabled Real-time Dynamic Operations and Material Flow Control in Lean Manufacturing	<b>D2T4S3: LDIC Day 2, Track 4, Slot 3</b> (IW3 Conference Room) Chair: Hans-Dietrich Haasis <b>Regional Policies</b>  Ömer Faruk Görçün: Analysis of the effects of intermodal terminals for the solutions of urban logistics problems in Istanbul City  Bojana Stoycheva, Diana Antonova: Improving Management Functions in Developing New Products in Medium- sized and Large Enterprises (an Empirical Study of the Bulgarian Processing Industry  Galina Sergeevna Sologubova: Resource of Genius Loci in tourism
18:30	<b>Conference Dinner with evening program</b> (Bremer Ratskeller: Am Markt, 28195 Bremen)			

Thursday, February 13 <sup>th</sup> , 2014			
8:30	<b>Registration</b>		
9:00	<b>D3T1S1: LDIC Day 3, InTraRegio, Slot 1</b> (BIBA Conference Room) InTraRegio International Dialogue Event on Intermodal Transport	<b>D3T2S1: LDIC Day 3, Track 2, Slot 1</b> (BIBA Auditorium) Chair: Florian Harjes <b>Transport and Outbound Logistics</b> Sanghyuk Yi, Bernd Scholz-Reiter, Kap Hwan Kim: Collaborative Carry-out Process for Empty Containers between Truck Companies and a Port Terminal Kim Jansson, Iris Karvonen, Aino Vaitinen: On Using Collaborative Networked Organisations in International Outbound Logistics Gudehus Timm, Herbert Kotzab: Economic Ship Travel Speed and Consequences for Operating Strategies of Container Shipping Companies	<b>D3T3S1: LDIC Day 3, Track 3, Slot 1</b> (IW3 Auditorium) Chair: Michael Hülsmann <b>Truck Load</b> Andy Apfelstädt, Matthias Gather: New design of a Truck Load Network Bernd Nieberding, Sergey Dashkovskiy: Costs and travel times of cooperative networks in full truckload logistics
10:30	<b>Coffee Break</b> (BIBA Hall)		
11:00	<b>D3T1S2: LDIC Day 3, InTraRegio IDE, Slot 2</b> (BIBA Conference Room) InTraRegio International Dialogue Event on Intermodal Transport	<b>D3T2S2: Guided Tour LogDynamics Lab and Projects</b> (BIBA Hall) Chair: Marco Lewandowski	
12:30	<b>Lunch</b> (Mensa)		
14:00	<b>D3T1S3: LDIC Day 3, InTraRegio IDE, Slot 3</b> (BIBA Conference Room) InTraRegio International Dialogue Event on Intermodal Transport	<b>D3T2S3: LDIC Day 3, Track 2, Slot 3</b> (BIBA Auditorium) Chair: Hamid Reza Karimi <b>Inhouse Logistics</b> Neil Jami, Michael Schröder: Tactical and Operational Models for the Management of a Warehouse Mohammed Alnahhal, Muawia Ramadan, Bernd Noche: Static versus dynamic control of material flow in in-plant milk run system Michael Lütjen, Michael Christoph Teucke, Nagham Nagham, Abderrahim Aitallah, Samaneh Beheshti-Kashi: Forecasting of Seasonal Products in the Apparel Industry	<b>D3T3S3: LDIC Day 3, Track 3, Slot 3</b> (IW3 Auditorium) Chair: Jürgen Pannek <b>Mathematical Approaches</b> Afshin Mehrsai, Hamid-Reza Karimi, Klaus-Dieter Thoben, Bernd Scholz-Reiter: Pilot prototype of autonomous pallets and employing Little's law for routing Mohammed Ruzayqat: A Mathematical Dynamic Fuzzy Logic to Estimate the Average Throughput Time for a New (Full-Case) Automated Order Picking System Kasypi Mokhtar, Muhammad Zaly Shah Muhammad Hussein, Khalid Samo, Ab. Saman Abdkader: Established Slack-Based Measure in Container Terminal for Risk Assessment
15:30	<b>Coffee Break</b> (BIBA Hall)	<b>D3C: Closing &amp; Farewell</b> (BIBA Auditorium)	
16:00	<b>D3T1S4: LDIC Day 3, InTraRegio IDE, Slot 4</b> (BIBA Conference Room) InTraRegio International Dialogue Event on Intermodal Transport		

Friday, February 14<sup>th</sup>, 2014

9:00  
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15:00

**InTraRegio: Internal Project Meeting**  
(BIBA Conference Room)