Monday, 27th 2012			
8:30-9:30	**Pre-Registration** (BIBA, Hochschulring 20, 28359 Bremen)		
9:00-17:30	**Doctoral Workshop**		
15:00-17:00	**Pre-Registration** (BIBA, Hochschulring 20, 28359 Bremen)		
Tuesday, 28th 2012			
8:30	**Registration**		
9:30	**Opening and Welcome**		
10:00	**Keynote Speech** (BIBA, Auditorium) What is the future of manufacturing utilizing technology? Gisele Bennett (Georgia Tech Research Institute, USA)		
11:00	**Break**		
11:30	**LDIC Session 1A: Autonomous Control I** (IW3, Room 0390) • Berndt, Jan Ole; Herzog, Otthein: Distributed Reinforcement Learning for Optimizing Resource Allocation in Autonomous Logistics Processes • Aggarwal, Rebecca; Lim, Ming K.: Improving Returnable Transport Equipment Network Management with an Autonomous Approach	**LDIC Session 1B: Considerations for a Future Internet of Things I** (BIBA, Auditorium) • Nam, Taewoo: An Effective Approach to Obtain Distributed Information in EPC Network • Windelband, Lars; Spöttl, Georg: Man-Machine-Interaction in the field of logistics – Example „Internet of Things"	**ImViReLL Session 1: Fundamentals and Historic Background of Lab-based Research in Logistics** (BIBA Room 1020/1040) • Welcome to ImViReLL • Uckelmann, Dieter: The role of logistics labs in research and higher education
12:30	**Lunch**		
14:00	**LDIC Session 2A: Autonomous Control II** (IW3, Room 0390) • Dashkovskiy, Sergey; Görges, Michael; Naujok, Lars: Stability analysis scheme for autonomously controlled production networks with transportations • Aragão, Dmontier; Frazzon, Enzo Morosini: An Agent-based Model for the Control of Global Logistic Processes • Harjes, Florian; Scholz-Reiter, Bernd: Learning Behaviour and Performance of Artificial Neural Networks in Production Control	**LDIC Session 2B: Information and Communication Technology** (BIBA, Auditorium) • Issa, Safir; Lang, Walter: Characterization of thermal flow sensors for air flow measurements in transport containers • Kim, Dong Hyun; Kim, Jong Deok: Design and Implementation of Location-based Handoff Scheme for multimedia data • Yafeng, Zhou; Han-You, Jeong: Reconfiguring Multi-Rate Wi-Fi Mesh Networks with Flow Disruption Constraints	**ImViReLL Session 2: Educational Implications of Virtual, Remote and Real Labs** (BIBA Room 1020/1040) • Kennepohl, Dietmar Karl; Baran, Jit; Currie, Ron: Integrating Remote Laboratories in Post-secondary Science Education • Kareinen, Juha Ensio; Pötry, Jyri: Enterprise Portal Technology in Computer-supported Collaborative learning • Leao, Celina P.; Soares, Filomena; Rodrigues, Helena; Seabra, Eurico; Machado, José; Farinha, Pedro; Costa, Sandra: Web-Assisted Laboratory for Control Education: Remote and Virtual Environments
15:30	**Break**		

16:00	LDIC Session 3A: **Modeling and Simulation** (IW3, Room 0390) • Donner, Reik V.; Hanke, Jörg: Conflicting optimization goals in manufacturing networks: A statistical analysis based on an idealized discrete-event model • Woo, Youn Ju; Lee, Byung Kwon; Ma, Yaowen; Kim, Kap Hwan: A Validation of Mathematical Models for Yard Crane Systems by a Simulation Study	LDIC Session 3B: Considerations for a Future Internet of Things II (BIBA, Auditorium) • Lee, Joo-Hoo; Kwon, Oh-Heum; Song, Ha-Joo: Sensor Reader Emulator for Integrating Sensor Networks into EPCglobal Network • Kim, Gihong; Hong, Bonghee; Kwon, Joonho: A Design of Distributed Discovery Service of EPCglobal	ImViReLL Lab Session 3: Virtual Logistics Lab (BIBA Room 1020/1040) • Nawroth, Andreas; Franz, Carl; Fritz, Tobias; Kreis, André; Meyer, Maurice; Müller, Maik; Schröder, Christoph; Syed-Ahmed, Afshad; Zhuchenko, Igor: Virtual Logistics Lab: A Framework for Rapid Prototyping and Remote Experimentation • Virtual Logistics Lab 2.0: Poster Session at the LogDynamics Lab
17:00	**Get together**		
Wednesday, February 29th 2012			
9:00	LDIC Session 4A: **Mathematical Modeling in Transport and Production Logistics I** (IW3, Room 0390) • Postan, Mykhaylo; Morozova, Iryna; Dashkovskiy, Sergey: Dynamic Optimization Model for Planning of Integrated Logistical System Functioning • Mates, Willian Chaves; Frazzon, Enzo Morosini; Mayerle, Sérgio Fernando; Moser, Stefano Rabello: A Graph Model for the Integrated Programming of Transport Operations in Global Supply Chains • Knollmann, Mathias; Windt, Katja: Exploitation of Due Date Reliability Potentials – Mathematical Investigation of the Lead Time Syndrome	LDIC Session 4B: Global Supply Chains (BIBA, Auditorium) • Georgise, Fasika B.; Thoben, Klaus-Dieter; Seifert, Marcus: A Methodology for Adapting SCOR Model to Challenges of Manufacturing Industries in Developing Countries • Cagliano, Anna Corinna; De Marco, Alberto; Rafele, Carlo: The impact of near sourcing on global dynamic supply chains. A case study • Frazzon, Enzo Morosini; Pintarelli Jr., Joarez; Makuschewitz, Thomas; Scholz-Reiter, Bernd: Simulation-based Analysis of Integrated Production and Transport Logistics	ImViReLL Lab Session 4: Lab-based Process Improvements in Logistics (BIBA Room 1020/1040) • Pauvre, Nicolas; Madelaine, Jacques; Le Moulec, Jerome; Laurence, Adrien: Augmented Traceability with Internet of Things: A demonstrator for Seafood Supply Chains • Scholz-Reiter, Bernd; Mansfeld, Jeanette: From Tag ID to eVIN - Structured Data Exchange Based on RFID • Mättig, Benedikt; Fiedler, Martin; Hille, Alexander; Anderseck, Björn: How AutoID-processes shape the Internet of Things: The openID-center development process
10:30	**Break**		

11:00	**LDIC Session 5A: Mathematical Modeling in Transport and Production Logistics II** (IW3, Room 0390) • Lasunon, Patareeya; Akararungruangkul, Raknoi: A Multi-level Programming Model and Solution Algorithm for the Location of Distribution Centers with Uncertainty Demands • Safaei, Mehdi; Issa, Safir; Seifert, Marcus; Thoben, Klaus-Dieter; Lang, Walter: A Method to Estimate the Accumulation Delivery Time Uncertainty in Supply Networks • Karimi, Hamid Reza: An LMI approach to exponential stock level estimation for large-scale logistics networks	**Joint LDIC & ImViReLL Session I: RFID in Logistics Applications** (BIBA, Auditorium) • Pang, Lam Yu; Huang, George Q.; Zhong, R.Y.: Service Oriented Platform for RFID-Enabled Real-time Fleet Advanced Planning and Scheduling in Industrial Parks • Rüdiger, David; Roidl, Moritz; ten Hompel, Michael: Towards Agile and Flexible Air Cargo Processes With Localization Based on RFID and Complex Event Processing • Verdouw, C.N.; Sundmaeker, H.; Meyer, F.; Wolfert, J.; Verhoosel, J.: Smart Agri-Food Logistics: Requirements for the Future Internet	
12:30	**Lunch**		
14:00	**LDIC Session 6A: Risk and Failure Management I** (IW3, Room 0390) • Lewandowski, Marco; Siebenand, Oliver; Oelker, Stephan; Scholz-Reiter, Bernd: Maintenance Work Order Based on Event-Driven Information of Condition-Monitoring Systems • Santos Júnior, Jose Benedito Silva; Loureiro, Sérgio Adriano; Lima Júnior, Orlando Fontes: A Procedure for Selection of Supply Network Risk Mitigation Strategy in Relational Arrangements	**LDIC Session 6B: Transport Logistics and Dynamic Routing I** (BIBA, Auditorium) • Wu, Jiani; Haasis, Hans-Dietrich: Knowledge Sharing in Intermodal Transport: A Multi-agent Based Perspective • Kopfer, Heiko W.; Kopfer, Herbert: Emissions Minimization Vehicle Routing Problem in Dependence of Different Vehicle Classes	**ImViReLL Session 6: Infrastructure and Design of Virtual, Remote and Real Labs** (BIBA Room 1020/1040) • Henke, Karsten; Ostendorff, Steffen; Wuttke, Heinz-Dietrich: A Flexible and Scalable Infrastructure for Remote Laboratories • Vicini, Sauro; Sanna, Alberto; Bellini, Sara: A Living Lab for IoT Vending Machines • Panel discussion: General Architecture Components for Virtual Research Environments and Discipline Specific (e.g. Logistics) Developments - Complement or Contradiction
15:00	• Furmans, Kai; Gue, Kevin; Seibold, Zäzilia: Optimization of Failure Behavior of a Decentralized High-density 2D-Storage-System	**Break**	

15:30	**Break**		**Break**
15:45	**LDIC Session 7A: Improvements of Auto-ID Technology** (IW3, Room 0390) • Lee, Jiwan; Ryu, Wooseok; Kwon, Joonho; Hong, Bonghee: Design and Implementation of A Virtual Reader for Generating Multiple Tag Data • Choi, Jongseok; Kim, Howon: Dynamic Tag Identity-Based Encryption Scheme for Logistics System	**LDIC Session 7B: Transport Logistics and Dynamic Routing II** (BIBA, Auditorium) • Giannikas, Vaggelis; McFarlane, Duncan: Product Intelligence in Intermodal Transportation: The Dynamic Routing Problem • Klumpp, Matthias; Kandel, Christof; Wirsing, Erik: Cargo telematics for operational transport excellence and strategic knowledge management	**ImViReLL Session 7: Lab-supported Product Developments** (BIBA Room 1020/1040) • Brandwein, Dennis; Uckelmann, Dieter; Beenken, Björn: Using RFID in License Plates and Vignettes for Electronic Vehicle Identification • Lewandowski, Marco; Schmidt, Kolja; Kielhorn, Christoph; Uckelmann, Dieter: The Internet of Drinks - Lab-Based Research for the Taste of It
16:45	**Excursion** (http://www.uebersee-museum.de)		
18:30	**Conference Dinner**		
Thursday, March 1st 2012			
9:30	**Keynote Speech** (BIBA, Auditorium) Fault Detection in Dynamic Vehicle Routing Operations Antônio G.N. Novaes (Federal University of Santa Catarina, Brazil)		
10:30	**Break**		
11:00	**LDIC Session 8A: Performance Analsysis and Optimization** (IW3, Room 0390) • Heinecke, Georg; Köber, Jonathan; Kunz, Andreas; Lamparter, Steffen: Modeling the basic cause-effect relationship between supply chain events and performance • Isenberg, Marc-André; Scholz-Reiter, Bernd: The multiple batch processing machine problem with stage specific incompatible job families • Simão, Luiz Eduardo; Gonçalves, Mirian Buss: A Dynamic Approach to Measure the Effect of Postponement strategy in Performance of Manufacturing and Logistics Process	**Joint LDIC & ImViReLL Session II: Industrial Applications** (BIBA, Auditorium) • Göpfert, Ingrid; Schulz, Matthias Daniel: Logistics Integrated Product Development in the German Automotive Industry - Current State, Trends and Challenges • Schröck, Johannes: Efficient and safe transporting of steel sheets with permanent magnets • Köber, Jonathan; Heinecke, Georg: The importance of managing events in a build-to-order supply chain – A case study at a manufacturer of agriculture machinery	
12:30	**Lunch**		

14:00	**LDIC Session 9A: Production Logistics and Job Shop Scheduling I** (IW3, Room 0390) • Scholz-Reiter, Bernd; Meinecke, Christian: Towards an integrated production and outbound distribution planning method • Uygun, Yilmaz; Straub, Natalia: Supply Chain Integration by Human-centred Alignment of Lean Production Systems	**LDIC Session 9B: EPCglobal Architecture Improvements** (BIBA, Auditorium) • Nam, Taewoo: Queuing Buffer Method for Enhancing Reliability of Capturing Application • Jeon, Seungwoo; Hong, Bonghee; Kwon, Joonho: Design and Implementation of Pedigree System to Guarantee Reliable Pedigree Information in RFID application	**ImViReLL Session 8: Test-beds and Demonstrators I** (BIBA Room 1020/1040) • Tenerowicz-Wirth, Peter; Günthner, Willibald A.: Agent-based Emulation of an Electric Overhead Monorail System Pilot Plant • Palafox-Albarran, Javier; Dannies, Alexander; Krishna Sanjeeva, Bala; Lang, Walter; Jedermann, Reiner: Combining Machine-to-Machine Communications with Intelligent Objects in Logistics
15:00	**Break**		
15:30	**LDIC Session 10A: Production Logistics and Job Shop Scheduling II** (IW3, Room 0390) • Isenberg, Marc-André; Scholz-Reiter, Bernd: Scheduling multiple batch processing machines with stage specific incompatible job families • Becker, Till; Meyer, Mirja; Beber, Moritz Emanuel; Windt, Katja; Hütt, Marc-Thorsten: A comparison of network characteristics in metabolic and manufacturing systems	**LDIC Session 10B: Collaboration in Logistics** (BIBA, Auditorium) • Scholz-Reiter, Bernd; Tan, Yi; El-Berishy, Nagham; Santos Junior, Jose Benedito Silva: Event Management for Uncertainties in Collaborative Production Scheduling and Transportation Planning: A Review • Zuñiga, Raul; Seifert, Marcus; Thoben, Klaus-Dieter: Study on the application of DCOR and SCOR models for the sourcing process in the mineral raw material industry supply chain	**ImViReLL Session 9: Test-beds and Demonstrators II** (BIBA Room 1020/1040) • Richter, Klaus; Poenicke, Olaf: Developing future Logistics Applications with the Saxony-Anhalt Galileo Test Bed • Ganji, Farideh; Veigt, Marius; Scholz-Reiter, Bernd: Prototyping in Research Domains: A Prototype for Autonomous Production Logistics
16:30	**End of Conference**		