

Monday, 27 <sup>th</sup> 2012			
9:00-17:00	<b>Doctoral Workshop</b>		
15:00-17:00	<b>Pre-Registration</b> (BIBA, Hochschulring 20, 28359 Bremen)		
Tuesday, 28 <sup>th</sup> 2012			
8:30	<b>Registration</b>		
9:30	<b>Opening and Welcome</b>		
10:00	<b>Keynote Speech</b>		
	Gisele Bennett (Georgia Tech Research Institute, USA)		
11:00	<b>Break</b>		
11:30	<b>LDIC Session 1A: Autonomous Control I</b> <ul style="list-style-type: none"> <li>Berndt, Jan Ole; Herzog, Otthein: Distributed Reinforcement Learning for Optimizing Resource Allocation in Autonomous Logistics Processes</li> <li>Aggarwal, Rebecca; Lim, Ming K.: Improving Returnable Transport Equipment Network Management with an Autonomous Approach</li> </ul>	<b>LDIC Session 1B: Considerations for a Future Internet of Things I</b> <ul style="list-style-type: none"> <li>Nam, Taewoo: An Effective Approach to Obtain Distributed Information in EPC Network</li> <li>Windelband, Lars; Spöttl, Georg: Man-Machine-Interaction in the field of logistics – Example „Internet of Things“</li> </ul>	<b>ImViReLL Session 1: Fundamentals and Historic Background of Lab-based Research in Logistics</b> <ul style="list-style-type: none"> <li>Welcome to ImViReLL</li> <li>Uckelmann, Dieter: The role of logistics labs in research and higher education</li> </ul>
12:30	<b>Lunch</b>		
14:00	<b>LDIC Session 2A: Autonomous Control II</b> <ul style="list-style-type: none"> <li>Dashkovskiy, Sergey; Görges, Michael; Naujok, Lars: Stability analysis scheme for autonomously controlled production networks with transportations</li> <li>Aragão, Dmontier; Frazzon, Enzo Morosini: An Agent-based Model for the Control of Global Logistic Processes</li> <li>Harjes, Florian; Scholz-Reiter, Bernd: Learning Behaviour and Performance of Artificial Neural Networks in Production Control</li> </ul>	<b>LDIC Session 2B: Information and Communication Technology</b> <ul style="list-style-type: none"> <li>Issa, Safir; Lang, Walter: Characterization of thermal flow sensors for air flow measurements in transport containers</li> <li>Kim, Dong Hyun; Kim, Jong Deok: Design and Implementation of Location-based Handoff Scheme for multimedia data</li> <li>Yafeng, Zhou; Han-You, Jeong: Reconfiguring Multi-Rate Wi-Fi Mesh Networks with Flow Disruption Constraints</li> </ul>	<b>ImViReLL Session 2: Educational Implications of Virtual, Remote and Real Labs</b> <ul style="list-style-type: none"> <li>Kennepohl, Dietmar Karl; Baran, Jit; Currie, Ron: Integrating Remote Laboratories in Post-secondary Science Education</li> <li>Kareinen, Juha Ensio; Pötry, Jyri: Enterprise Portal Technology in Computer-supported Collaborative learning</li> <li>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</li> </ul>

15:30	<b>Break</b>		
16:00	<b>LDIC Session 3A: Modeling and Simulation</b> <ul style="list-style-type: none"> <li>• Donner, Reik V.; Hanke, Jörg: Conflicting optimization goals in manufacturing networks: A statistical analysis based on an idealized discrete-event model</li> <li>• Woo, Youn Ju; Lee, Byung Kwon; Ma, Yaowen; Kim, Kap Hwan: Validation of Mathematical Models for Yard Crane Systems by Simulation Studies</li> </ul>	<b>LDIC Session 3B: Considerations for a Future Internet of Things II</b> <ul style="list-style-type: none"> <li>• Lee, Joo-Hoo; Kwon, Oh-Heum; Song, Ha-Joo: Sensor Reader Emulator for Integrating Sensor Networks into EPCglobal Network</li> <li>• Kim, Gihong; Hong, Bonghee; Kwon, Joonho: Design of Distributed Discovery Service for Multiparty Supply Chain</li> </ul>	<b>ImViReLL Lab Session 3: Virtual Logistics Lab</b> <ul style="list-style-type: none"> <li>• 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</li> <li>• Virtual Logistics Lab 2.0: Poster Session at the LogDynamics Lab</li> </ul>
17:00	<b>Get together</b>		
Wednesday, February 29 <sup>th</sup> 2012			
9:00	<b>LDIC Session 4A: Mathematical Modeling in Transport and Production Logistics I</b> <ul style="list-style-type: none"> <li>• Postan, Mykhaylo; Morozova, Iryna; Dashkovskiy, Sergey: Dynamic Optimization Model for Planning of Integrated Logistical System Functioning</li> <li>• 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</li> <li>• Knollmann, Mathias; Windt, Katja: Exploitation of Due Date Reliability Potentials – Mathematical Investigation of the Lead Time Syndrome</li> </ul>	<b>LDIC Session 4B: Global Supply Chains</b> <ul style="list-style-type: none"> <li>• Georgise, Fasika B.; Thoben, Klaus-Dieter; Seifert, Marcus: A Methodology for Adapting SCOR Model to Challenges of Manufacturing Industries in Developing Countries</li> <li>• Cagliano, Anna Corinna; De Marco, Alberto; Rafele, Carlo: The impact of near sourcing on global dynamic supply chains. A case study</li> <li>• Frazzon, Enzo Morosini; Pintarelli Jr., Joarez; Makuschewitz, Thomas; Scholz-Reiter, Bernd: Simulation-based Analysis of Integrated Production and Transport Logistics</li> </ul>	<b>ImViReLL Lab Session 4: Lab-based Process Improvements in Logistics</b> <ul style="list-style-type: none"> <li>• Pauvre, Nicolas; Madelaine, Jacques; Le Moulec, Jerome; Laurence, Adrien: Augmented Traceability with Internet of Things: A demonstrator for Seafood Supply Chains</li> <li>• Scholz-Reiter, Bernd; Mansfeld, Jeanette: From Tag ID to eVIN - Structured Data Exchange Based on RFID</li> <li>• Mättig, Benedikt; Fiedler, Martin; Hille, Alexander; Anderseck, Björn: How AutoID-processes shape the Internet of Things: The openID-center development process</li> </ul>
10:30	<b>Break</b>		

11:00	<b>LDIC Session 5A: Mathematical Modeling in Transport and Production Logistics II</b> <ul style="list-style-type: none"> <li>Lasunon, Patareeya; Akararungruangkul, Raknoi: A Multi-level Programming Model and Solution Algorithm for the Location of Distribution Centers with Uncertainty Demands</li> <li>Safaei, Mehdi; Issa, Safir; Seifert, Marcus; Thoben, Klaus-Dieter; Lang, Walter: A Method to Estimate the Accumulation Delivery Time Uncertainty in Supply Networks</li> <li>Karimi, Hamid Reza: An LMI approach to exponential stock level estimation for large-scale logistics networks</li> </ul>	<b>Joint LDIC &amp; ImViReLL Session I: RFID in Logistics Applications</b> <ul style="list-style-type: none"> <li>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</li> <li>Rüdiger, David; Roidl, Moritz; ten Hompel, Michael: Towards Agile and Flexible Air Cargo Processes With Localization Based on RFID and Complex Event Processing</li> <li>Verdouw, C.N.; Sundmaecker, H.; Meyer, F.; Wolfert, J.; Verhoosel, J.: Smart Agri-Food Logistics: Requirements for the Future Internet</li> </ul>	
12:30	<b>Lunch</b>		
14:00	<b>LDIC Session 6A: Risk and Failure Management I</b> <ul style="list-style-type: none"> <li>Lewandowski, Marco; Siebenand, Oliver; Oelker, Stephan; Scholz-Reiter, Bernd: Maintenance Work Order Based on Event-Driven Information of Condition-Monitoring Systems</li> <li>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</li> <li>Furmans, Kai; Gue, Kevin; Seibold, Zázilia: Optimization of failure behavior of a decentralized high-density storage system</li> </ul>	<b>LDIC Session 6B: Transport Logistics and Dynamic Routing I</b> <ul style="list-style-type: none"> <li>Wu, Jiani; Haasis, Hans-Dietrich: Knowledge Sharing in Intermodal Transport: A Multi-agent Based Perspective</li> <li>Kopfer, Heiko W.; Kopfer, Herbert: Emissions Minimization Vehicle Routing Problem in Dependence of Different Vehicle Classes</li> </ul>	<b>ImViReLL Session 6: Infrastructure and Design of Virtual, Remote and Real Labs</b> <ul style="list-style-type: none"> <li>Henke, Karsten; Ostendorff, Steffen; Wuttke, Heinz-Dietrich: A Flexible and Scalable Infrastructure for Remote Laboratories</li> <li>Vicini, Sauro; Sanna, Alberto; Bellini, Sara: A Living Lab for IoT Vending Machines</li> <li>Panel discussion: General Architecture Components for Virtual Research Environments and Discipline Specific (e.g. Logistics) Developments - Complement or Contradiction</li> </ul>
15:00		<b>Break</b>	
15:30	<b>Break</b>		

15:45	<b>LDIC Session 7A: Improvements of Auto-ID Technology</b> <ul style="list-style-type: none"> <li>• Lee, Jiwan; Ryu, Wooseok; Kwon, Joonho; Hong, Bonghee: Design and Implementation of A Virtual Reader for Generating Multiple Tag Data</li> <li>• Choi, Jongseok; Kim, Howon: Dynamic Tag Identity-Based Encryption Scheme for Logistics System</li> </ul>	<b>LDIC Session 7B: Transport Logistics and Dynamic Routing II</b> <ul style="list-style-type: none"> <li>• Giannikas, Vaggelis; McFarlane, Duncan: Product Intelligence in Intermodal Transportation: The Dynamic Routing Problem</li> <li>• Klumpp, Matthias; Kandel, Christof; Wirsing, Erik: Cargo telematics for operational transport excellence and strategic knowledge management</li> </ul>	<b>ImViReLL Session 7: Lab-supported Product Developments</b> <ul style="list-style-type: none"> <li>• Brandwein, Dennis; Uckelmann, Dieter; Beenken, Björn: Using RFID in License Plates and Vignettes for Electronic Vehicle Identification</li> <li>• Lewandowski, Marco; Schmidt, Kolja; Kielhorn, Christoph; Uckelmann, Dieter: The Internet of Drinks - Lab-Based Research for the Taste of It</li> </ul>
16:45	<b>Excursion</b> ( <a href="http://www.uebersee-museum.de">http://www.uebersee-museum.de</a> )		
18:30	<b>Conference Dinner</b>		
Thursday, March 1 <sup>st</sup> 2012			
9:30	<b>Keynote Speech</b>  Antônio G.N. Novaes (Federal University of Santa Catarina, Brazil)		
10:30	<b>Break</b>		
11:00	<b>LDIC Session 8A: Performance Analysis and Optimization</b> <ul style="list-style-type: none"> <li>• Heinecke, Georg; Köber, Jonathan; Kunz, Andreas; Lamparter, Steffen: Modeling the basic cause-effect relationship between supply chain events and performance</li> <li>• Isenberg, Marc-André; Scholz-Reiter, Bernd: The multiple batch processing machine problem with stage specific incompatible job families</li> <li>• Simão, Luiz Eduardo; Gonçalves, Mirian Buss: A Dynamic Approach to Measure the Effect of Postponement strategy in Performance of Manufacturing and Logistics Process</li> </ul>	<b>Joint LDIC &amp; ImViReLL Session II: Industrial Applications</b> <ul style="list-style-type: none"> <li>• Göpfert, Ingrid; Schulz, Matthias Daniel: Logistics Integrated Product Development in the German Automotive Industry - Current State, Trends and Challenges</li> <li>• 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</li> <li>• Schröck, Johannes: Efficient and safe transporting of steel sheets with permanent magnets</li> </ul>	

12:30	<b>Lunch</b>		
14:00	<b>LDIC Session 9A: Production Logistics and Job Shop Scheduling I</b> <ul style="list-style-type: none"> <li>• Scholz-Reiter, Bernd; Meinecke, Christian: Towards an integrated production and outbound distribution planning method</li> <li>• Uygun, Yilmaz; Straub, Natalia: Supply Chain Integration by Human-centred Alignment of Lean Production Systems</li> </ul>	<b>LDIC Session 9B: EPCglobal Architecture Improvements</b> <ul style="list-style-type: none"> <li>• Nam, Taewoo: Queuing Buffer Method for Enhancing Reliability of Capturing Application</li> <li>• Jeon, Seungwoo; Hong, Bonghee; Kwon, Joonho: Design and Implementation of Pedigree System to Guarantee Reliable Pedigree Information in RFID application</li> </ul>	<b>ImViReLL Session 8: Test-beds and Demonstrators I</b> <ul style="list-style-type: none"> <li>• Tenerowicz-Wirth, Peter; Günthner, Willibald A.: Agent-based Emulation of an Electric Overhead Monorail System Pilot Plant</li> <li>• Palafox-Albarran, Javier; Dannies, Alexander; Krishna Sanjeeva, Bala; Lang, Walter; Jedermann, Reiner: Combining Machine-to-Machine Communications with Intelligent Objects in Logistics</li> </ul>
15:00	<b>Break</b>		
15:30	<b>LDIC Session 10A: Production Logistics and Job Shop Scheduling II</b> <ul style="list-style-type: none"> <li>• Isenberg, Marc-André; Scholz-Reiter, Bernd: Scheduling multiple batch processing machines with stage specific incompatible job families</li> <li>• Becker, Till; Meyer, Mirija: A comparison of network characteristics in metabolic and manufacturing systems</li> </ul>	<b>LDIC Session 10B: Collaboration in Logistics</b> <ul style="list-style-type: none"> <li>• Scholz-Reiter, Bernd; Tan, Yi; El-Berishy, Nagham; Santos Junior, Jose Benedito Silva: Event Management for Uncertainties in Collaborative Production Scheduling and Transportation Planning</li> <li>• 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</li> </ul>	<b>ImViReLL Session 9: Test-beds and Demonstrators II</b> <ul style="list-style-type: none"> <li>• Richter, Klaus; Poenicke, Olaf: Developing future Logistics Applications with the Saxony-Anhalt Galileo Test Bed</li> <li>• Ganji, Farideh; Veigt, Marius; Scholz-Reiter, Bernd: Prototyping in Research Domains: A Prototype for Autonomous Production Logistics</li> </ul>
16:30	<b>End of Conference</b>		