

**Tuesday
February 20th
2018**

9:00 - 9:15	D1W: Welcome from the Rector of the University of Bremen Location: BIBA Auditorium Bernd Scholz-Reiter		
9:15 - 9:45	D1P: Introduction and Program by the Conference Chairs Location: BIBA Auditorium Michael Freitag		
9:45 - 10:30	D1K1: Keynote by Britta Philipsen Location: BIBA Auditorium Chair: Michael Freitag		
10:30 - 11:00	Coffee Break / Location: BIBA Hall		
11:00 - 12:30	<p>D1S1T1: Collaborative Planning and Control Location: BIBA Conference Room Chairs: Michael Freitag and Nicole Megow</p> <p>Endric Hetterscheid, Ulrike Beißert: <i>Digitalization Elements for Collaborative Planning and Control in Supply Chains</i></p> <p>Aleksander Lubarski, Katharina Schute: <i>Measuring the quality of B2B logistic services – an industry-specific instrument</i></p> <p>Markus Rabe, Dominik Schmitt, Majsja Ammouriova: <i>Utilizing Domain-Specific Information in Decision Support for Logistics Networks</i></p>	<p>D1S1T2: Vehicle Routing Location: BIBA Auditorium Chairs: Tobias Buer and Anna Förster</p> <p>Marcella Bernardo, Jürgen Pannek: <i>Enforcing Structural Robustness for Vehicle Routing Plans despite Stochastic Demands</i></p> <p>Matthias Klumpp: <i>Economic and Social Advances in Road Cargo Transportation with Big Data Use in Vehicle Routing</i></p> <p>Johan Los, Matthijs T. J. Spaan, Rudy R. Negenborn: <i>Fleet Management for Pickup and Delivery Problems with Multiple Locations and Preferences</i></p>	<p>D1S1T3: Supply Chain Resilience and Risk Management Location: IW3 Auditorium Chairs: Herbert Kopfer and Hans-Jörg Kreowski</p> <p>Ayad Hendaripour: <i>Mathematical Modeling for Integrating Production-Routing-Inventory Perishable Goods: A Case Study of Blood Products in Iranian Hospitals</i></p> <p>Herbert Kotzab, Inga-Lena Darkow, Ilja Bäuml, Christoph Georgi, Sandra Luttermann: <i>Mapping research on logistics and supply chain coordination, cooperation and collaboration</i></p> <p>Jing Ye, Hans-Dietrich Haasis: <i>Investment of the Belt and Road Initiative (BRI)</i></p>
12:30 - 14:00	Lunch Break / Location: Mensa		
14:00 - 15:30	<p>D1S2T1: Collaborative Planning and Control Location: BIBA Conference Room Chairs: Anna Förster and Tobias Buer</p> <p>Matheus Cardoso Pires, Enzo Morosini Frazzon, Lucas de Souza Silva, Túlio Henrique Holtz, Philipp Saalman, Bernd Hellingrath: <i>Collaborative Operational Planning for Decentralized Spare Parts Supply Chains</i></p> <p>Daniel Sommerfeld, Michael Teucke, Michael Freitag: <i>Effects of Sensor-Based Quality Data in Automotive Supply Chains – A Simulation Study</i></p> <p>Elham Behmanesh, Jürgen Pannek: <i>Ranking Parameters of a Memetic Algorithm for a Flexible Integrated Logistics Network</i></p>	<p>D1S2T2: Data Analytics Location: BIBA Auditorium Chair: Walter Lang and Rainer Malaka</p> <p>Xiao Lin: <i>Towards A Flexible Banana Supply Chain: Dynamic Reefer Temperature Management for Reduced Energy Consumption and Assured Product Quality</i></p> <p>Antonio Novaes Galvão, Orlando Fontes Lima Jr, Giset Natalia Montoya Moreno : <i>Forecasting Manufacturing Tardiness in OEM Milk-Run Operations within the Industry 4.0 Framework</i></p> <p>Rasmus Buch, Samaneh Beheshti-Kashi, Thomas Alexander Sick Nielsen, Aseem Kinra: <i>Big Data Analytics: A Case Study of Public Opinion Towards the Adoption of Driverless Cars</i></p>	<p>D1S2T3: Supply Chain Resilience and Risk Management Location: IW3 Auditorium Chairs: Herbert Kotzab and Otthein Herzog</p> <p>Lukas Biedermann, Herbert Kotzab, Pettit Herbert, Tim Pettit: <i>Theory Landscape and Research Perspectives in Current Supply Chain Resilience Research</i></p> <p>Raul Zuniga, Gabriel Icarte; John Griffiths, Juan Lopez, Juan Quezada: <i>Modeling of Critical Products Supply Chain Required to Affected People on Earthquakes and Tsunamis Through the Use of Scor Model</i></p> <p>Ludmila Filina-Dawidowicz, Mykhaylo Postan: <i>Model of Stochastic Optimization for Deteriorating Cargo Inventory Control at Port's Terminal</i></p>
15:30 - 16:00	Coffee Break / Location: BIBA Hall		
16:00 - 17:30	<p>D1S3T1: Multi Agents and System Dynamics Location: BIBA Conference Room Chairs: Jürgen Pannek and Otthein Herzog</p> <p>Tobias Sprodowski, Yanlin Zha, Jürgen Pannek: <i>Interval Superposition Arithmetic Inspired Communication for Distributed Model Predictive Control</i></p> <p>Tim Gruchmann, Tobias Rebs: <i>Systems Dynamics Modeling of Dependent Requirements Variations in Automotive Supply Networks</i></p> <p>Jannis Stoppe, Christina Plump, Sebastian Huhn, Rolf Drechsler: <i>Building Fast Multi-Agent Systems using Hardware Design Languages for High-Throughput Systems</i></p>	<p>D1S3T2: Data Mining Location: BIBA Auditorium Chairs: Nicole Megow and Rainer Malaka</p> <p>Wacharawan Intayoad, Till Becker: <i>Applying Process Mining in Manufacturing and Logistic for Large Transaction Data</i></p> <p>Samaneh Beheshti-Kashi, Rasmus Buch, Maxime Lachaize, Aseem Kinra: <i>Big Textual Data in Transportation: An Exploration of Relevant Text Sources</i></p> <p>Pairach Piboonrunroj: <i>Understanding Conflicts between Logistics Infrastructure Development and Local Supports: A Structural Equation Model of the case of Pakbara Deep Sea Port in Thailand</i></p>	<p>D1S3T3: Future Visions and Applications Location: IW3 Auditorium Chairs: Michael Freitag and Michael Beetz</p> <p>Thomas Jan Neukirchen: <i>Retail Micrologistics: Chaotic Storage Taken to the Point of Sale</i></p> <p>Thies Beinke, Abderrahim Ait Alla, Michael Freitag: <i>Decommissioning of Offshore Wind Farms – A Simulation-Based Study of Economic Aspects</i></p> <p>Moritz Quandt, Thies Beinke, Michael Freitag, Christian Kölsch: <i>Requirements for An Augmented Reality-Based Assistance System – Raising the Safety Level of Mobile Cranes</i></p>
17:30 - 19:30	Get Together / Location: BIBA Hall		

Wednesday February 21st 2018

9:00 - 9:45	D2K1: Keynote by Alan McKinnon Location: BIBA Auditorium Chair: Herbert Kotzab	
9:45 - 10:30	D2K2: Keynote by Irene Rosberg Location: BIBA Auditorium Chair: Herbert Kotzab	
10:30 - 11:00	Coffee Break / Location: BIBA Hall	
11:00 - 12:30	<p>D2S1T1: Supply Chain Management Location: BIBA Conference Room Chairs: Michael Freitag and Michael Beetz</p> <p>Dmitry Ivanov, Alexandre Dolgui, Marina Ivanova, Boris Sokolov: <i>Simulation vs Optimization Approaches to Ripple Effect Modelling in the Supply Chain</i></p> <p>Haniyeh Dastyar, Ali Mohammadi, Moslem Ali Mohamadlou: <i>Designing a Model for Supply Chain Agility Indexes Using Interpretive Structural Modeling (ISM)</i></p> <p>Satrio Wicaksono, Uswatun Hasanah, Rizqi Luthfiana Khairu Nisa, Jauhari Alafi: <i>Fleet Expansion Strategy of Indonesian Container Line Integrated with Sea Tollway Logistic System</i></p>	<p>D2S1T2: Maritime Logistics Location: BIBA Auditorium Chair: Hans-Dietrich Haasis and Walter Lang</p> <p>Christian Bierwirth, Paul Corry: <i>Integrating Ship Scheduling and Berth Allocation for Container Seaports with Channel Access</i></p> <p>Jörn Schönberger: <i>Revenue Management and Freight Rate Coordination in the Container Shipping Industry</i></p> <p>Liliane Streit-Juotsa, Hans-Dietrich Haasis, Dorit Schumann-Bölsche: <i>Dependency of Pharmaceutical Logistics in Sub-Sahara Africa from Seaport Performance</i></p>
12:30 - 14:00	Lunch Break / Location: Mensa	
14:00 - 15:30	<p>D2S2T1: Production Scheduling and Control Location: BIBA Conference Room Chairs: Till Becker and Herbert Kopfer</p> <p>Ricardo Pimentel, Pedro Santos, Apolo Danielli, Matheus Pires, Enzo Frazzon: <i>Towards An Adaptive Simulation-Based Optimization Framework for the Production Scheduling of Digital Industries</i></p> <p>Ping Liu, Jürgen Pannek: <i>Operator-based Capacity Control of Job Shop Manufacturing Systems with RMTs</i></p> <p>Qiang Zhang, Jürgen Pannek: <i>Predictive Control of a Job Shop System with RMTs using Equilibrium Terminal Constraints</i></p>	<p>D2S2T2: Maritime Logistics Location: BIBA Auditorium Chairs: Hans-Dietrich Haasis and Frank Kirchner</p> <p>Ann-Kathrin Lange, Fredrik Branding, Tilmann Schwenzow, Constantin Zlotos, Anna Kathrina Schwientek, Carlos Jahn: <i>Dispatching Strategies of Drayage Trucks at Seaport Container Terminals with Truck Appointment System</i></p> <p>Ralf Elbert, Katrin Scharf: <i>Analysis of the Choice Behavior for Container Transport Services in the Maritime Hinterland</i></p> <p>Lars Stemmler: <i>Global Value Chains and Supply Chain Trade: How Organizations Create Sustainable Business Models</i></p>
15:30 - 16:00	Coffee Break / Location: BIBA Hall	
16:00 - 17:30	<p>D2S3T1: Cyber-Physical Systems Location: BIBA Conference Room Chairs: Michael Freitag and Jürgen Pannek</p> <p>Nils Meyer-Larsen, Rainer Müller: <i>Enhancing the Cybersecurity of Port Community Systems</i></p> <p>Thorben Funke, Till Becker: <i>A Tool for An Analysis of The Dynamic Behavior of Logistic Systems with the Instruments of Complex Networks</i></p> <p>Tobias Sprodowski, Adnan Shoaib Mayet, Jürgen Pannek: <i>Evaluation of the Performance of Heuristic Algorithms in An Intersection Scenario</i></p>	<p>D2S3T2: Maritime Logistics Location: BIBA Auditorium Chairs: Hans-Dietrich Haasis and Frank Kirchner</p> <p>Sylvain Chartron, Hans-Dietrich Haasis: <i>Improving Logistics Efficiency in Offshore Wind Farms Construction</i></p> <p>Christopher Loklindt, Marc-Philip Moeller, Aseem Kinra: <i>How Blockchain Could Be Implemented for Exchanging Documentation in the Shipping Industry</i></p> <p>Carlos Jahn, Tina Scheidweiler: <i>Port Call Optimization by Estimating Ships' Time of Arrival</i></p>
18:30 - 22:00	Conference Dinner / Location: Bremer Ratskeller	

**Thursday
February 22nd
2018**

9:00 - 10:30	D3K1: Tour through LogDynamics Lab Location: BIBA Hall Chair: Marco Lewandowski		
10:30 - 11:00	Coffee Break / Location: BIBA Hall		
11:00 - 12:30	<p>D3S1T1: New Business Models Location: BIBA Conference Room Chairs: Yilmaz Uygun and Jürgen Pannek</p> <p>Sarah Pfoser, Thomas Berger, Georg Hauger, Claudia Berkowitsch, Reinhold Schodl, Sandra Eitler, Karin Markvica, Bin Hu, Jürgen Zajicek, Matthias Prandstetter: <i>Integrating High-Performance Transport Modes into Synchronodal Transport Networks</i></p> <p>Getachew Basa Bansa, Till Becker, Abdelkader Kedir: <i>Supplier Selection and Order Allocation with Intermodal Transportation Cost</i></p> <p>Sylvia Mercedes Novillo Villegas, Hans-Dietrich Haasis: <i>A System Dynamics Approach for Internationalization Networking Process</i></p>	<p>D3S1T2: Maritime Logistics Location: BIBA Auditorium Chairs: Hans-Dietrich Haasis and Klaus-Dieter Thoben</p> <p>Anne Kathrina Schwientek, Ann-Kathrin Lange, Carlos Jahn: <i>Simulation-based Analysis of Dispatching Methods on Seaport Container Terminals</i></p> <p>Michael Stein: <i>Conducting Safety Inspections of Gantry Cranes Using Unmanned Aerial Vehicles</i></p> <p>Rainer Müller, Hans-Dietrich Haasis: <i>Security in Maritime Logistics – Learning by Gaming</i></p>	
12:30 - 14:00	Lunch Break / Location: Mensa		
14:00 - 15:30	<p>D3S2T1: Internet of Things and Services Location: BIBA Conference Room Chairs: Hans-Jörg Kreowski and Jürgen Pannek</p> <p>Abdul Kishwer Khaliq, Amir Qayyum, Omer Chughtai, Jürgen Pannek: <i>Design of Emergency Response System for Disaster Management Using VANET</i></p> <p>Usman Asghar, Ann-Kathrin Rohde, Michael Lütjen, Jörn Lembke, Michael Freitag: <i>Wireless Pick-by-Light: Usability of LPWAN for more Flexibility in Warehouse Logistics</i></p> <p>Giset Natalia Montoya Moreno, José Benedito Silva Santos Júnior, Antonio Galvão Novaes, Orlando Fontes Lima Júnior: <i>Internet of Things and the Risk Management Approach in the Pharmaceutical Supply Chain</i></p>	<p>D3S2T2: Port Operations, Seaport Hinterland Transport Location: BIBA Auditorium Chairs: Klaus-Dieter Thoben and Frank Kirchner</p> <p>Aaron Heuermann, Heiko Duin, Christian Gorldt, Klaus-Dieter Thoben: <i>A Concept for Predictability and Adaptability in Maritime Container Supply Chains</i></p> <p>Elen Twrdy, Milan Batista: <i>Assessment of Cooperation and Competition Among Container Ports in The Northern Adriatic</i></p> <p>Usama Awan: <i>A Collaborative Framework for Governance Mechanism and Sustainability Performance in Supply Chain</i></p>	<p>D3T: Guided Tour: BAALL Bremen Ambient Assisted Living Lab & B-Human Robot Soccer Location: DFKI Bremen</p>
15:30 - 16:00	Closing and Farewell / Location: BIBA Auditorium		

