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  D1S1T1: Collaborative Planning and Control
Location: BIBA Conference Room
Chairs: Michael Freitag and Nicole Megow
Endric Hetterscheid, Ulrike Beilert: Digitalization Elements for Collaborative Planning and Control in Supply Chains
Aleksandar Lubanski, Karthamina Schult: Measuring the quality of B2B logistic services – an industry-specific instrument
Markus Rabe, Dominik Schmitt, Majia Ammouria: Utilizing Domain-Specific Information in Decision Support for Logistics Networks

12:30 - 14:00  Lunch Break / Location: Mensa

14:00 - 15:30  D1S2T1: Collaborative Planning and Control
Location: BIBA Conference Room
Chairs: Anna Förster and Tobias Buer
Matheus Cardoso Pires, Enzo Morosini Frazzon, Lucas de Souza Silva, Tulio Henrique Holtz, Philipp Saalmann, Bernd Hellinger: Collaborative Operational Planning for Decentralized Spare Parts Supply Chains
Daniel Sommerfeld, Michael Teucke, Michael Freitag: Effects of Sensor-Based Quality Data in Automotive Supply Chains – A Simulation Study
Elham Behmanesh, Jürgen Pannek: Ranking Parameters of a Memetic Algorithm for a Flexible Integrated Logistics Network

15:30 - 16:00  Coffee Break / Location: BIBA Hall

16:00 - 17:30  D1S2T2: Data Analytics
Location: BIBA Auditorium
Chair: Walter Lang and Rainer Malaka
Xiao Lin: Towards A Flexible Banana Supply Chain: Dynamic Reefer Temperature Management for Reduced Energy Consumption and Assured Product Quality
Antonio Novaes Galvão, Orlando Fonseca Lima Jr, Giset Natalia Montoya Moreno: Forecasting Manufacturing Tardiness in ODM Milk-Run Operations within the Industry 4.0 Framework
Rasmus Buch, Samaneh Behesti-Kashi, Thomas Alexander Sick Nielsen, Jurem Kiria: Big Data Analytics: A Case Study of Public Opinion Towards the Adoption of Driverless Cars

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
D2S1T1: Supply Chain Management
Location: BIBA Conference Room
Chairs: Michael Freitag and Michael Beetz

Dmitry Ivanov, Alexandre Dolgui, Marina Ivanova, Boris Sokolov:
Simulation vs Optimization Approaches to Ripple Effect Modelling in the Supply Chain

Hanyeh Dastyar, Ali Mohammadi, Moslem Ali Mohamadlou:
Designing a Model for Supply Chain Agility Indexes Using Interpretive Structural Modeling (ISM)

Satrio Wicaksono, Uswatun Hasanah, Rizqi Luthfiyana Kharu
Nisa, Jaushari Aliaf: Fleet Expansion Strategy of Indonesian Container Line Integrated with Sea Railways Logistic System

D2S1T2: Maritime Logistics
Location: BIBA Auditorium
Chair: Hans-Dietrich Haasis and Walter Lang

Christian Bienwirth, Paul Cory: Integrating Ship Scheduling and Berth Allocation for Container Seaports with Channel Access

Jörn Schönberger: Revenue Management and Freight Rate Coordination in the Container Shipping Industry

Liliane Streit-Juotsa, Hans-Dietrich Haasis, Dorit Schumann-Bölsche: Dependency of Pharmaceutical Logistics in Sub-Sahara Africa from Seaport Performance

12:30 - 14:00
Lunch Break / Location: Mensa

14:00 - 15:30
D2S2T1: Production Scheduling and Control
Location: BIBA Conference Room
Chairs: Till Becker and Herbert Kopfer

Ricardo Pimentel, Pedro Santos, Apollo Dannieli, Matheus Pires, Enzo Frazzon:
Towards An Adaptive Simulation-Based Optimization Framework for the Production Scheduling of Digital Industries

Ping Liu, Jürgen Pannek:
Operator-based Capacity Control of Job Shop Manufacturing Systems with RMFs

Qiang Zhang, Jürgen Pannek:
Predictive Control of a Job Shop System with RMFs using Equilibrium Terminal Constraints

D2S2T2: Maritime Logistics
Location: BIBA Auditorium
Chair: Hans-Dietrich Haasis and Frank Kirchner

Ann-Kathrin Lange, Fredrik Branding, Timm Schwenzow, Constantino Zotos, Anna Katharina Schwientek, Carlos Jahn:
Dispatching Strategies of Drayage Trucks at Seaport Container Terminals with Truck Appointment System

Ralf Elbert, Katrin Scharf:
Analysis of the Choice Behavior for Container Transport Services in the Maritime Hinterland

Lars Stemmler: Global Value Chains and Supply Chain Trade: How Organizations Create Sustainable Business Models

15:30 - 16:00
Coffee Break / Location: BIBA Hall

16:00 - 17:30
D2S3T1: Cyber-Physical Systems
Location: BIBA Conference Room
Chairs: Michael Freitag and Jürgen Pannek

Nils Meyer-Larsen, Rainer Müller:
Enhancing the Cybersecurity of Port Community Systems

Thorben Funke, Till Becker:
A Tool for An Analysis of The Dynamic Behavior of Logistic Systems with the Instruments of Complex Networks

Tobias Sprodowski, Adrian Shoabi Mayet, Jürgen Pannek:
Evaluation of the Performance of Heuristic Algorithms in An Intersection Scenario

D2S3T2: Maritime Logistics
Location: BIBA Auditorium
Chair: Hans-Dietrich Haasis and Frank Kirchner

Sylvain Chartron, Hans-Dietrich Haasis:
Improving Logistics Efficiency in Offshore Wind Farms Construction

Christopher Lokindt, Marc-Philip Moeller, Aseem Kinra:
How Blockchain Could Be Implemented for Exchanging Documentation in the Shipping Industry

Carlos Jahn, Tina Schindweiler:
Port Call Optimization by Estimating Ships' Time of Arrival

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  D3S1T1: New Business Models
Location: BIBA Conference Room
Chairs: Yilmaz Uygun and Jürgen Pannek
Sarah Pöser, Thomas Berger, Georg Hauger, Claudia Berkowitz, Reinhard Scholz, Sandra Eifler, Karin Markvica, Bin Hu, Jürgen Zajicek, Matthias Brandstetter: Integrating High-Performance Transport Modes into Synchromodal Transport Networks
Getachew Basa Bonsa, Till Becker, Abdelkader Kedir: Supplier Selection and Order Allocation with Intermodal Transportation Costs
Sylvia Mercedes Novillo Villegas, Hans-Dietrich Haasis: A System Dynamics Approach for Internationalization Networking Process

12:30 - 14:00  Lunch Break / Location: Mensa

14:00 - 15:30  D3S2T1: Internet of Things and Services
Location: BIBA Conference Room
Chairs: Hans-Jörg Kreowski and Jürgen Pannek
Abdul Kishwer Khalique, Amir Qayyum, Omer Chuqhta, Jürgen Pannek: Design of Emergency Response System for Disaster Management Using VANET
Usman Agha, Ann-Kathrin Rohde, Michael Lötjen, Jörn Lemebke, Michael Freitag: Wireless Pick-by-Light: Usability of LPWAN for more Flexibility in Warehouse Logistics
Giset Natalia Montoya Moreno, José Benedito Silva Santos Júnior, Antonio Galvão Novaes, Orlando Fonseca Lima Júnior: Internet of Things and the Risk Management Approach in the Pharmaceutical Supply Chain

15:30 - 16:00  Closing and Farewell / Location: BIBA Auditorium

D3S1T2: Maritime Logistics
Location: BIBA Auditorium
Chairs: Hans-Dietrich Haasis and Klaus-Dieter Thoben
Anne Kathrina Schwientek, Ann-Kathrin Lange, Carlos Jahn: Simulation-based Analysis of Dispatching Methods on Seaport Container Terminals
Michael Stein: Conducting Safety Inspections of Gantry Cranes Using Unmanned Aerial Vehicles
Rainer Müller, Hans-Dietrich Haasis: Security in Maritime Logistics – Learning by Gaming

D3S2T2: Port Operations, Seaport Hinterland Transport
Location: BIBA Auditorium
Chairs: Klaus-Dieter Thoben and Frank Kirchner
Aaron Heuermann, Heiko Duin, Christian Görz, Klaus-Dieter Thoben: A Concept for Predictability and Adaptability in Maritime Container Supply Chains
Elen Tverd, Milan Batista: Assessment of Cooperation and Competition Among Container Ports in The Northern Adriatic
Usama Awan: A Collaborative Framework for Governance Mechanism and Sustainability Performance in Supply Chain

D3T: Guided Tour: BAALL Bremen Ambient Assisted Living Lab & B-Human Robot Soccer
Location: DFKI Bremen