

Wednesday, February 25		
MZH 1470		
10:00	Welcome: Matthias Klumpp, Nicole Megow, Daniel Schmand	
10:05	Herbert Kopfer	
10:20	Keynote: Julia Arlinghaus, University of St.Gallen Beyond Rationality: Behavioral Decision-Making in Production and Supply Chain Planning <i>Session Chair: Nicole Megow</i>	
11:20	Break	
MZH 1470		MZH 1460
<i>Session Chair: Jens Heger</i>		<i>Session Chair: Sara Perotti</i>
11:40	Paul Pärper A Semi-Integrated Approach for Combined Railway Circulation and Shift Planning	Rebecca Cristin Klauke The Potential Effects of Boredom at Work: Boreout in Blue-Collar Retail Logistics
12:05	Contributed Talk: Sanghita Bose, Annick Lesne, Julia Arlinghaus, Marc-Thorsten Hütt Just in time vs. all in sync: An analysis of two types of synchronization in a minimal model of machine activity in industrial production	Caroline Friederike Ihloff, Jonas Stein, Abdolkarim Sadrieh and Marlin Ulmer Exchanging Patients in Home Healthcare Routing
12:30	Contributed Talk: Daniel Djerdj and Matthias Klumpp Evaluating Organizational Efficiency Using Human Resource Measures and Service Performance Indicators: A Last-Mile DEA Analysis	Contributed Talk: Xiao Liang and Shu Zhang and Marlin Ulmer Dynamic Delivery Radius Adjustment in on-Demand Delivery
12:55	Break	
<i>Session Chair: Paul Pärper</i>		<i>Session Chair: Marlin Ulmer</i>
14:10	Kristin Müller and Jens Heger Discrete event simulation as an enabler for resilient production planning	Janith Mohottige and Reiner Jedermann Adaptive transmission rate for efficient wireless monitoring of logistic chains
14:35	Lia Bender, Anna-Kristin Behnert and Julia Arlinghaus Shared Resources, Reduced Risks: The Role of Resource Sharing as Pathway to Production Resilience	Sara Perotti, Luca Cannava and Alessia Santarsiero How to prioritize investments in green warehousing? A framework to balance emission reduction and payback time
15:00	Alessandro Peris, Maurizio Faccio, Irene Granata, Alessandro Persone and Peng Yang Performance analysis of a robotized H-AMR warehousing system considering different product turnover	Contributed Talk: Florian Blesch Cognitive Logistics Systems: Spatial and Edge AI for Context-Aware Decision Making
15:25	Break	
<i>Session Chair: Luca Cannava</i>		<i>Session Chair: Reiner Jedermann</i>
15:55	Yunqi Huang, Nishith Chennakeshava, Alexis Carras, Vladislav Neverov, Wei Liu, Aske Plaat and Yingjie Fan A Benchmark Study of Deep Reinforcement Learning Algorithms for the Container Stowage Planning Problem	Lara Kuhlmann, Markus Pauly and Michael Homuth Understanding Multi-Channel Demand: Distribution Patterns and Marketing Impacts
16:20	Contributed Talk: Sameh Haneyah Online Scheduling of Automated Stacking Cranes in Container Terminals	Agata Cieliczko, Wei Liu and Yingjie Fan Enhancing Car-Sharing Efficiency: Incentives and Situational Factors in Vehicle Relocation
16:45	Contributed Talk: Bart Zondervan and Stefan Hougardy On Recent Improvements to Bottom-Left-Based Strip Packing Algorithms	Contributed Talk: Eko Pujiyanto, Asti Widuri A Novel Framework for Ergonomic Customization and Quality Enhancement of Hearing Aid Earmolds Using Sustainable FDM 3D Printing and Multi-Objective Optimization Using NSGA II and TOPSIS
17:10	Get Together & Lab Tours & Demonstrations, BIBA	

Thursday, February 26		
MZH 1470		
9:30	Keynote: Frank Meisel, Universität zu Kiel Logistics Optimization for Large-Scale Removal and Storage of Carbon Dioxide <i>Session Chair: Daniel Schmand</i>	
10:30	Break	
	MZH 1470	MZH 1460
	<i>Session Chair: Till Becker</i>	<i>Session Chair: Lara Kuhlmann</i>
10:50	Contributed Talk: Justin Hüsemann and Katharina Berendes, Maik Hammerschmidt, Glenn Richey and Matthias Klumpp Resilience Management in Retail Logistics	Kaushik Ravi, Jürgen Weigell and Carlos Jahn A Novel Approach to Calculate Fuel Consumption of Offshore Wind Operation and Maintenance Vessels Using AIS Data
11:15	Contributed Talk: Jarmo Haferkamp and Marlin Ulmer Learning to Minimize Maximum Completion Times in a Dynamic Vehicle Routing Problem	Jakob Becker, Andrea Bommert, Jakob Rehof and Markus Pauly A Comparative Analysis of Prediction Intervals for Forecasting in the Recycling Sector
11:40	Contributed Talk: Tamar Gugushvili Integrating Electronic Bills of Lading and Vessel Tracking for Maritime Transparency	Contributed Talk: Ahmed Khechen Development of a Multi-Criteria Allocation Framework for Components with Complex Dependencies in Large-Scale Production Networks
12:05	Break	
	<i>Session Chair: Jörn Schönberger</i>	<i>Session Chair: Jürgen Weigell</i>
13:20	Maria Serveto Font, Kil Young Lee, Tu-Anh Fay, Sangyoung Park and Frank Straube Enhancing Freight Transport Efficiency in Germany Through Multimodal Route Optimization	Anita Clara Notarianni and Matthias Klumpp Maintenance 5.0 – A Literature and XR Experiment Review for Logistics and Supply Chain Implications
13:45	Contributed Talk: Nicole Schröder, Merlin de la Hoya, Pascal Lenzner, Daniel Schmand Decentralized Formation of Logistics Networks with Fast Reachability	Contributed Talk: Sufian Imam Wahidi Simulation and Implementation of Robotic Welding in Confined Shipbuilding Spaces
14:10	Contributed Talk: Maximilian Stahlberg Constructing Ancient Road Networks	Contributed Talk: Shiva Darabi, Marco Mandolfo, Sachit Kavinda Magammanage, Sajad Shooshitari, Anita Notarianni and Matthias Klumpp Shell Operations 5.0 - Human-centric Sallience and Picking Process Analysis in Store and Warehouse Settings
14:35	Break	
	<i>Session Chair: Tu-Anh Fay</i>	<i>Session Chair: Anita C. Notarianni</i>
15:00	Pia Neumann, Jan Fischer and Axel Wagenitz A Multi-LLM Approach for Supply Chain Risk Assessment	Till Becker and Agron Neziraj Autonomous Drone-based Inspection of Port Infrastructure: Regulatory, Technical, and Economic Perspectives in Germany
15:25	Contributed Talk: Shiyu Guo Optimization of Investment and Operations for Green Hydrogen Supply Chains with Salt Cavern Storage	Contributed Talk: Manuel Wehner "Much Ado About Nothing": Can Stakeholder Recommendations Resolve Regulatory Uncertainty and Underinvestment in Autonomous Airport Ground Handling Operations?
15:50	Best Paper: Paul Juwig, Marvin Kastner and Carlos Jahn An AIS-based Analysis of the Transfer of Maritime Pilots <i>Session Chair: Michael Freitag</i>	
16:15	Departure to City Center	
	17:00 Guided City Tour 17:00 Mathematical Tour 17:45: Guided Tour Wine Cellar	
19:00	Conference Dinner & Best Paper Awards	

Friday, February 27		
MZH 1470		
9:30	Keynote: Merieke Stevens, Rotterdam School of Management Human-technology interaction in operations - research pathways for the future between rigor and relevance <i>Session Chair: Matthias Klumpp</i>	
10:30	Break	
	MZH 1470	MZH 1460
	<i>Session Chair: Paul Juwig</i>	<i>Session Chair: Jakob Becker</i>
10:50	Julian Gebken and Daniel Schmand Minimizing Trips in Ride Sharing	Leif Struwe and Markus Pauly Evaluating Machine Learning and Deep Learning Approaches for Spare Parts Demand Forecasting: The Role of Loss Functions and Error Measures
11:15	Salem Bisenabit, Behshad Azizian, Ega Rudy Graha and Hendro Wicaksono Benchmarking Causal Discovery Algorithms in Electric Vehicle Diagnostics	Contributed Talk: Alexander Grimm, Dmytro Savchuk Trooping the Color of Performance: Integrating Cost and Service Indicators in Retail Logistics Resilience Analyses
11:40	Contributed Talk: Jörn Schönberger Haptic Vehicle Routing - Integrating Vehicle Control, Mathematical Planning and IoT-Gadgets to Setup a 1:87-Scale Simulation System for Teaching Vehicle Routing	Contributed Talk: Wahyudi Sutopo University-Led Innovation for a Sustainable Environment: Techno-Economic Approaches to Green Transformation
12:05	Break	
	MZH 1470	
13:20	Keynote: Steffen Obermann, ZUFALL logistics group Go with the flow or take the leap. How to innovate in real life, even when money is rare. <i>Session Chair: Hendro Wicaksono</i>	
14:20	Closing	

Conference End approx. 14.30 h