

| Wednesday, February 25 | | Thursday, February 26 | | Friday, February 27 | | |
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| MZH 1470 | | MZH 1470 | | MZH 1470 | | |
| 10:00 | 10:05 | Keynote: Matthias Klumpp, Nicole Megow, Daniel Schmand Herbert Kopfer | Keynote: Frank Meisel, Universität zu Kiel Logistics Optimization for Large-Scale Removal and Storage of Carbon Dioxide Session Chair: Daniel Schmand | Keynote: Meriele Stevens, Rotterdam School of Management Human-technology interaction in operations - research pathways for the future between rigor and relevance Session Chair: Matthias Klumpp | | |
| 10:20 | | Keynote: Julia Arlinghaus, University of St.Gallen Beyond Rationality: Behavioral Decision-Making in Production and Supply Chain Planning Session Chair: Nicole Megow | 9:30 | 9:30 | | |
| 11:20 | | Break | 10:30 | 10:30 | | |
| | | MZH 1470 | MZH 1470 | MZH 1470 | | |
| | | Session Chair: Jens Heger | Session Chair: Sara Perotti | Session Chair: Till Becker | Session Chair: Lara Kuhlmann | |
| 11:40 | | Paul Päpfer A Semi-Integrated Approach for Combined Railway Circulation and Shift Planning Rebecca Cristin Kraus The Potential Effects of Boredom at Work: Boredom in Blue-Collar Retail Logistics | 10:50 | 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 | 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 |
| 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 Ihleff, Jonas Stein, Dolph Karlaftis, Sadrish and Marlin Ulmer Exchanging Patients in Home Healthcare Routing | 11:15 | Contributed Talk: Jarno 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 | 11:15 | Salem Bisenebit, Behzad Asziani, Ega Rudy Graha and Hendro Wicaksono Benchmarking Causal Discovery Algorithms in Electric Vehicle Diagnostics |
| 12:30 | | Contributed Talk: Daniel Djordjic 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 Tracking for Maritime Transparency | 11:40 | Contributed Talk: Tamar Gugushvili Integrating Electronic Bills of Lading and Vessel Tracking for Maritime Transparency | 11:40 | Contributed Talk: Jörn Schönberger Haptic Vehicle Routing - Integrating Vehicle Control, Mathematical Planning and IoT-Gadget to Setup a 1:87-Scale Simulation System for Teaching Vehicle Routing |
| 12:55 | | Break | 12:05 | Break | 12:05 | Break |
| | | Session Chair: Paul Päpfer | Session Chair: Marlin Ulmer | Session Chair: Jörn Schönberger | Session Chair: Jürgen Weigell | |
| 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 | 13:20 | Maria Serveto Font, Kil Young Lee, Tu-Anh Fay, Sangyeong 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 | 14:10 | Contributed Talk: Jörn Schönberger Haptic Vehicle Routing - Integrating Vehicle Control, Mathematical Planning and IoT-Gadget to Setup a 1:87-Scale Simulation System for Teaching Vehicle Routing |
| 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 Santarciero How to prioritize investments in green warehousing? A framework to balance emission reduction and payback time | 13:45 | Contributed Talk: Nicole Schröder, Merlin de la Haye, Pascal Lennerz, 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 | 14:35 | Contributed Talk: Tu-Anh Fay Session Chair: Anita C. Notarianni |
| 15:00 | | Alessandro Peris, Maurizio Faccio, Irene Granata, Alessandro Persona and Peng Yang Performance analysis of a robotized H-AMR warehousing system considering different product turnover Contributed Talk: Florian Bilesch Contextual Logistics Systems: Spatial and Edge AI for Context-Aware Decision Making | 14:10 | Contributed Talk: Maximilian Stahlberg Constructing Ancient Road Networks Contributed Talk: Shiva Darabi, Marco Mandolfo, Sajid Kawinda Magammanage, Sajid Shoshtari, Anita Notarianni and Matthias Klumpp Shelf Operations 5.0 - Human-centric Saliency and Picking Process Analysis in Store and Warehouse Settings | 15:00 | Till Becker and Agrün Nezaj A Multi-LLM Approach for Supply Chain Risk Assessment Autonomous Drone-based Inspection of Port Infrastructure: Regulatory, Technical, and Economic Perspectives in Germany |
| 15:25 | | Break | 14:35 | Break | 15:00 | |
| | | Session Chair: Luca Cannava | Session Chair: Reiner Jedermann | Session Chair: Tu-Anh Fay | Session Chair: Anita C. Notarianni | |
| 15:55 | | Yunqi Huang, Nishith Chennakeshava, Alexis Carvalho, Valeriy Neverov, Wei Liu, Aske Plaat and Yingjie Fan A Benchmark Study of Deep Reinforcement Learning Algorithms for the Container Stowage Planning Problem | 15:25 | Contributed Talk: Shiyu Guo Optimization of Refueling and Operations for Green Hydrogen Supply Chains with Salt Cavern Storage Contributed Talk: Manuel Wehner "Much Ado About Nothing": Can Stakeholder Uncertainty and Underinvestment in Autonomous Airport Ground Handling Operations? | 15:25 | Contributed Talk: Shiyu Guo Optimization of Refueling and Operations for Green Hydrogen Supply Chains with Salt Cavern Storage Contributed Talk: Manuel Wehner "Much Ado About Nothing": Can Stakeholder Uncertainty and Underinvestment in Autonomous Airport Ground Handling Operations? |
| 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 | 15:50 | Best Paper: Paul Juvwig, Marvin Kastner and Carlos Jahn An AIs-based Analysis of the Transfer of Maritime Pilots Session Chair: Michael Freitag | 16:15 | Departure to City Center |
| 16:45 | | Contributed Talk: Bart Zondervan and Stefan Hougard On Recent Improvements to Bottom-Lef-Based Strip Packing Algorithms | 16:15 | | | |
| 17:10 | | Get Together & Lab Tours & Demonstrations, BIBA | 17:00 | 17:00 Guided City Tour 17:00 Mathematical Tour 17:45: Guided Tour Wine Cellar | 19:00 | Conference Dinner & Best Paper Awards |

Conference End approx. 14.30 h