



Wednesday, 23 September

- 09:00 **Welcome Keynote**  
**Dr. Lars Schwabe - Lufthansa Industry Solutions**  
 » Dr. Lars Schwabe
- 10:00 **Coffee Break**
- 10:30 **Session 2: Advanced Manufacturing, Industry 4.0 and Blockchain I**  
 Chaired by: Mr. Sven Reimers
- 10:30 **Realization and Validation of a Collaborative Automated Picking System**  
 » [Mr. Mathias Rieder](#), Mr. Richard Verbeet
- 10:45 **Framing Supply Chain Visibility Through a Multi-Field Approach**  
 » [Ms. Lucie Lechaptois](#)
- 11:00 **Impacts of a Smart Factory on Procurement Logistics**  
 » [Mr. Bennet Zander](#), Prof. Kerstin Lange, Prof. Hans-Dietrich Haasis
- 10:30 **Session 2: Platform Economy and Innovative Business Models I**  
 Chaired by: Mr. Felix Krol
- 10:30 **Impact of Digitalization on Logistics Provider Business Models**  
 » [Mr. Sascha Stradner](#), Mr. Uwe Brunner
- 10:45 **Selecting the Right Platform – The Perspective of Logistics Service Providers**  
 » [Mr. Jonas Haas](#), Prof. Mischa Seiter
- 11:00 **Success Factors for Online Food Retail Logistics**  
 » [Mrs. Anne Beckmann](#), Mrs. Julia Kleineidam, Prof. Frank Straube

- 10:30 **Session 2: Business Analytics in Maritime Logistics I**  
 Chaired by: Mr. Jürgen Weigell
- 10:30 **Tactical Planning in Tramp Shipping – a Literature Review**  
 » [Ms. Hannah Pache](#), Ms. Michaela Grafelmann, Ms. Anne Schwientek, Prof. Carlos Jahn
- 10:45 **Business Analytics for Cooperation in Maritime Logistics – A Mixed Methods Research Approach**  
 » Ms. Pauline Reinecke, [Mr. Nicolas Rückert](#), Ms. Kathrin Fischer, Mr. Thomas Wrona
- 11:00 **Capacity Allocation Optimization and Booking Acceptance Control for a Cruise Line Network**  
 » [Mr. Daniel Sturm](#), Ms. Kathrin Fischer
- 11:15 **Towards Green Shipping through Emission Assessment, Fuel Consumption Optimization and Efficiency Enhancement**  
 » [Mrs. Tina Hensel](#), Ms. Constance Ugé
- 11:45 **Lunch Break**
- 12:45 **Session 3: Advanced Manufacturing, Industry 4.0 and Blockchain II**  
 Chaired by: Benjamin Nitsche
- 12:45 **Mastering the Supply Chain by a Concept of a Digital Control-Twin**  
 » [Dr. Wilmjacob Herlyn](#), Prof. Hartmut Zadek
- 13:00 **Identification of socio-technical changes during the implementation of Industry 4.0 solutions**  
 » [Mr. Felix Schnasse](#), Mr. Jörn Steffen Menzefricke, Mr. Stefan Gabriel, Ms. Daniela Hobscheidt, Dr. Matthias Parlings, Dr. Arno Kühn, Prof. Roman Dumitrescu
- 13:15 **Semantic service discovery in heterogeneous cyber-physical systems**  
 » [Mr. Andreas Lober](#), Prof. Hartwig Baumgärtel, Mr. Richard Verbeet



Continued from **Wednesday, 23 September**

- 12:45 **Session 3: Supply Chain Analytics and Artificial Intelligence I**  
Chaired by: Mr. Henning Schöpfer
- 12:45 **Supply chain planning in the food industry**  
» [Mr. David Stüve](#), Dr. Robert van der Meer, Prof. Matthias Lütke Entrup, Dr. Mouhamad Shaker Ali Agha
- 13:00 **Product Lifecycle Optimization by Application of Process Mining**  
» Mr. Marco Messner, [Mr. Johannes Dirnberger](#)
- 12:45 **Session 3: Maritime and Port Logistics I**  
Chaired by: Ms. Ann-Kathrin Lange
- 12:45 **State of research in Arctic Maritime Logistics**  
» [Prof. Igor Ilin](#), Prof. Wolfgang Kersten, Prof. Carlos Jahn, Mr. Jürgen Weigell, Mrs. Anastasia Levina, Ms. Sofia Kalyazina
- 13:00 **Stowage Planning for Inland Container Vessels: A Literature Review.**  
» [Ms. Janna Franzkeit](#), Ms. Anne Schwientek, Prof. Carlos Jahn
- 13:15 **Sustainability in Arctic Maritime Supply Chains**  
» [Mr. Jürgen Weigell](#), Prof. Igor Ilin, Mrs. Svetlana Maydanova, Mrs. Alissa Dubgorn, Prof. Carlos Jahn, Prof. Wolfgang Kersten

**Thursday, 24 September**

- 09:00 **Session 1: Innovation and Technology Management I**  
Chaired by: Mr. Victor Kaupe
- 09:00 **An a priori simulation approach for the impact of digitalization on retail logistics efficiency**  
» [Mr. Dominic Loske](#), Prof. Matthias Klumpp

- 09:15 **Product Modularization in Integrated Supply Chains**  
» Mr. Martin Brylowski, [Mr. Maximilian Ludwig](#), Prof. Wolfgang Kersten, Prof. Wolfgang Schultze
- 09:30 **How Disruptive Start-Ups Change the World of Warehouse Logistics**  
» [Ms. Julia Feldt](#), Prof. Henning Kontny, Mr. Frank Niemiets
- 09:45 **Application of agile methods in traditional logistics companies and logistics start-ups First results from a German Delphi Study**  
» [Ms. Malena Zielske](#), Prof. Tobias Held
- 09:00 **Session 1: Maritime and Port Logistics II**  
Chaired by: Ms. Michaela Grafelmann
- 09:00 **Model Transformation Framework for Scheduling Offshore Logistics**  
» [Mr. Daniel Rippel](#), Mr. Shengrui Peng, Dr. Michael Lütjen, Prof. Helena Szczerbicka, Prof. Michael Freitag
- 09:15 **The Impact of Autonomous Vehicles on Port Infrastructure Requirements**  
» [Mr. Ralf Fiedler](#), Ms. Katrin Brümmerstedt
- 09:30 **Equipment Selection and Layout Planning – Literature Overview and Research Directions**  
» [Mr. Marvin Kastner](#), Mr. Nicolas Kämmerling, Prof. Carlos Jahn, Prof. Uwe Clausen
- 09:45 **The Northern Sea Route e-platforms: tools for competitive development**  
» [Prof. Igor Ilin](#), Mrs. Svetlana Maydanova, Mrs. Anastasia Levina, Mr. Aleksander Lepekhin
- 09:00 **Session 1: Business Analytics in Maritime Logistics II**  
Chaired by: Ms. Lea Vliegen



Continued from **Thursday, 24 September**

- 09:00 **Optimization of passenger ferry schedules for the city of Kiel**  
» Prof. Frank Meisel, Prof. Kjetil Fagerholt, Mrs. Ingvild Eide Aslaksen, Mrs. Elisabeth Svanberg
- 09:15 **The impact of an asymmetric allocation of power on the digitalization strategy of port logistics**  
» Mr. Janosch Brinker, Prof. Hans-Dietrich Haasis
- 09:30 **Financing investments in a landlord port**  
» Ms. Carolyn Somorowsky, Prof. Hans-Dietrich Haasis
- 09:45 **Combining Artificial Intelligence and Operations Research in Maritime Logistics – a Literature Review**  
» Mr. Jorin Dornemann, Mr. Nicolas Rückert, Ms. Kathrin Fischer, Mr. Anusch Taraz
- 10:15 **Coffee Break**
- 10:45 **Session 2: Advanced Manufacturing, Industry 4.0 and Blockchain III**  
Chaired by: Dr. Sandra König
- 10:45 **Shared Digital Twins: Data Sovereignty in Logistics Networks**  
» Mr. Hendrik Haße, Mr. Hendrik van der Valk, Mr. Norbert Weißenberg, Prof. Boris Otto
- 11:00 **Preventing Mental Strain for Logistics Workers: Guideline Development**  
» Mr. Patrick Schwarz, Prof. Matthias Klumpp
- 11:15 **Blockchain Technology in Germany: An excerpt of real use cases in logistics industry**  
» Mr. Devis Bartsch, Prof. Herwig Winkler
- 10:45 **Session 2: Sustainability and City Logistics I**  
Chaired by: Dr. Ville Hinkka

- 10:45 **Environmental sustainability in B2C e-commerce: the impact of multi-item shopping**  
» Mrs. Chiara Siragusa, Prof. Riccardo Mangiaracina, Prof. Angela Tumino
- 11:00 **Development of sustainability performance measurement framework for measuring complex sustainability impacts in the manufacturing industry**  
» Mr. jettarat janmontree, Prof. Hartmut Zadek
- 11:15 **Commercial Electric Vehicle Routing in Urban Logistics: A Systematic Review**  
» Mr. Sebastian Fredershausen, Prof. Matthias Klumpp
- 10:45 **Session 2: Supply Chain Analytics and Artificial Intelligence II**  
Chaired by: Mr. Sebastian Lodemann
- 10:45 **A first step towards automated image-based container inspections**  
» Mr. Steffen Klöver, Mr. Lutz Kretschmann, Prof. Carlos Jahn
- 11:00 **A Systematic Classification of Database Solutions for Data Mining to Support Tasks in Supply Chains**  
» Mr. Joachim Hunker, Dr. Anne Antonia Scheidler, Prof. Markus Rabe
- 11:15 **Evaluation of Data Quality in Dimensioning Capacity**  
» Ms. Lea Vliegen, Mr. Nikolas Ulrich Moroff, Ms. Katharina Riehl
- 12:00 **Lunch Break**
- 13:00 **Session 3: Advanced Manufacturing, Industry 4.0 and Blockchain IV**  
Chaired by: Mr. Devis Bartsch
- 13:00 **Enhancing B2B supply chain traceability using smart contracts and IoT**  
» Mr. Mohamed AHMED, Prof. Chantal TACONET, Dr. Mohamed OULD



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13:15 **Developing a Holistic Digitalization KPI Framework for the Aerospace Industry**  
» [Mr. Felix Krol](#), Dr. Muhammad Amad Saeed, Prof. Wolfgang Kersten

13:00 **Session 3: Sustainability and City Logistics II**  
Chaired by: Mr. Florian Dörries

13:00 **Energy-efficient Supply Chain Design: Data Generation and Aggregation**  
» [Mr. Lucas Schreiber](#), Mr. Jan-Philipp Jarmer, Mr. Josef Kamphues

13:15 **Public Transportation Resource Assignment for Mutual Sustainable Considerations and Service Level Efficiency: Case study Hamburg Public Transportation**  
» [Mr. Majid Sodachi](#), Ms. Pardis Sahraei, Dr. Omid Fatahi Valilai

13:00 -- CANCELLED -- **Session 3: Risk and Security Management I**

**Friday, 25 September**

09:00 **Session 1: Innovation and Technology Management II**  
Chaired by: Prof. Tobias Held

09:00 **Blockchain Technology - Integration in Supply Chain Processes**  
» [Mr. Tan Guerpinar](#), Ms. Sophie Harre, Prof. Michael Henke, Ms. Farah Saleh

09:15 **A Procedural Model for Exoskeleton Implementation in Intralogistics**  
» Prof. Carsten Feldmann, [Mr. Victor Kaupe](#), Prof. Martin Lucas

09:00 **Session 1: Maritime and Port Logistics III**  
Chaired by: Ms. Anne Schwientek

09:00 **Impact of Port Layouts on Inter-Terminal Transportation Networks**  
» [Ms. Nicole Nellen](#), Mr. Moritz Poeting, Ms. Michaela Grafelmann, Prof. Carlos Jahn, Prof. Uwe Clausen

09:15 **IT and Business Process Landscapes at Inland Intermodal Terminals**  
» [Ms. Michaela Grafelmann](#), Mr. Constantin Zlotos, Ms. Ann-Kathrin Lange, Prof. Carlos Jahn

09:30 **Defining the Quota of Truck Appointment Systems**  
» [Ms. Ann-Kathrin Lange](#), Mr. Felix Kreuz, Mr. Sven Langkau, Prof. Carlos Jahn, Prof. Uwe Clausen

09:00 **Session 1: Risk and Security Management II**  
Chaired by: Ayman Nagi

09:00 **Improving Risk Assessment for Interdependent Urban Critical Infrastructures**  
» [Dr. Sandra König](#)

09:15 **Building a Virtual Maritime Logistics Cybersecurity Training Platform**  
» [Mr. Harri Pyykkö](#), Mr. Jarkko Kuusijärvi, Mr. Sami Noponen, Mrs. Sirra Toivonen, Dr. Ville Hinkka

09:30 **Impact of notification time on risk mitigation in inland waterway transport**  
» [Mr. Johannes Gast](#), Ms. Rebecca Wehrle, Dr. Marcus Wiens, Prof. Frank Schultmann

10:00 **Coffee Break**

10:30 **HICL Workhop**  
Chaired by: Mr. Martin Brylowski and Janna Ehrlich



Continued from **Friday, 25 September**

11:30 **Lunch Break**

12:30 **Closing Keynote**