**Hamburg International Conference of Logistics 2020 23 - 25 September 2020**

| 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 Graefelmann, 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 Rücker, 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 |

**Wednesday, 23 September**

| 09:00 | Welcome Keynote  
Dr. Lars Schwabe - Lufthansa Industry Solutions  
» Dr. Lars Schwabe |
<table>
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<tr>
<td>10:00</td>
<td>Coffee Break</td>
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| 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 |

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### Session 3: Supply Chain Analytics and Artificial Intelligence I

**Chaired by:** Mr. Henning Schöpper

- **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

### 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

### 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 Niemietz

- **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

### 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 Szczerbińska, 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

### Session 1: Business Analytics in Maritime Logistics II

**Chaired by:** Ms. Lea Vliegen

- **09:00**  
  An a priori simulation approach for the impact of digitalization on retail logistics efficiency  
  » Mr. Dominic Loske, Prof. Matthias Klumpp
### Optimization of passenger ferry schedules for the city of Kiel
- Prof. Frank Meisel, Prof. Kjetil Fagerholt, Mrs. Ingvild Eide Aslaksen, Mrs. Elisabeth Svanberg

### The impact of an asymmetric allocation of power on the digitalization strategy of port logistics
- Mr. Janosch Brinker, Prof. Hans-Dietrich Haasis

### Financing investments in a landlord port
- Ms. Carolyn Somorowsky, Prof. Hans-Dietrich Haasis

### Combining Artificial Intelligence and Operations Research in Maritime Logistics – a Literature Review
- Mr. Jorin Dornemann, Mr. Nicolas Rückert, Ms. Kathrin Fischer, Mr. Anusch Taraz

### Environmental sustainability in B2C e-commerce: the impact of multi-item shopping
- Mrs. Chiara Siragusa, Prof. Riccardo Mangiaracina, Prof. Angela Tumino

### Development of sustainability performance measurement framework for measuring complex sustainability impacts in the manufacturing industry
- Mr. jettarat janmontree, Prof. Hartmut Zadek

### Commercial Electric Vehicle Routing in Urban Logistics: A Systematic Review
- Mr. Sebastian Fredershausen, Prof. Matthias Klumpp

### A first step towards automated image-based container inspections
- Mr. Steffen Klöver, Mr. Lutz Kretschmann, Prof. Carlos Jahn

### 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

### Evaluation of Data Quality in Dimensioning Capacity
- Ms. Lea Vliegen, Mr. Nikolas Ulrich Moroff, Ms. Katharina Riehl

### Session 2: Advanced Manufacturing, Industry 4.0 and Blockchain III
- Chaired by: Dr. Sandra König

### Shared Digital Twins: Data Sovereignty in Logistics Networks
- Mr. Hendrik Haße, Mr. Hendrik van der Valk, Mr. Norbert Weißenberg, Prof. Boris Otto

### Preventing Mental Strain for Logistics Workers: Guideline Development
- Mr. Patrick Schwarz, Prof. Matthias Klumpp

### Blockchain Technology in Germany: An excerpt of real use cases in logistics industry
- Mr. Devis Bartsch, Prof. Herwig Winkler

### Session 2: Sustainability and City Logistics I
- Chaired by: Dr. Ville Hinkka

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### Lunch Break

### Session 3: Advanced Manufacturing, Industry 4.0 and Blockchain IV
- Chaired by: Mr. Devis Bartsch

### Enhancing B2B supply chain traceability using smart contracts and IoT
- Mr. Mohamed AHMED, Prof. Chantal TACONET, Dr. Mohamed OULD
### Continued from Thursday, 24 September

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Chairs</th>
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<tbody>
<tr>
<td>13:15</td>
<td>Developing a Holistic Digitalization KPI Framework for the Aerospace Industry</td>
<td>Mr. Felix Krol, Dr. Muhammad Amad Saeed, Prof. Wolfgang Kersten</td>
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<td>13:00</td>
<td>Session 3: Sustainability and City Logistics II</td>
<td>Mr. Florian Dörries</td>
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<td>Energy-efficient Supply Chain Design: Data Generation and Aggregation</td>
<td>Mr. Lucas Schreiber, Mr. Jan-Philipp Jarmer, Mr. Josef Kamphues</td>
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<td>13:15</td>
<td>Public Transportation Resource Assignment for Mutual Sustainable Considerations and Service Level Efficiency: Case study Hamburg Public Transportation</td>
<td>Mr. Majid Sodachi, Ms. Pardis Sahraei, Dr. Omid Fatahi Valilai</td>
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<td>13:00</td>
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<thead>
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<td>Session 1: Innovation and Technology Management II</td>
<td>Prof. Tobias Held</td>
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<td>Blockchain Technology - Integration in Supply Chain Processes</td>
<td>Mr. Tan Guerpinar, Ms. Sophie Harre, Prof. Michael Henke, Ms. Farah Saleh</td>
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<td>09:15</td>
<td>A Procedural Model for Exoskeleton Implementation in Intralogistics</td>
<td>Prof. Carsten Feldmann, Mr. Victor Kaupe, Prof. Martin Lucas</td>
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<td>09:00</td>
<td>Session 1: Maritime and Port Logistics III</td>
<td>Ms. Anne Schwientek</td>
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<td>Impact of Port Layouts on Inter-Terminal Transportation Networks</td>
<td>Ms. Nicole Nellen, Mr. Moritz Poeting, Ms. Michaela Graefelmann, Prof. Carlos Jahn, Prof. Uwe Clausen</td>
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<td>09:15</td>
<td>IT and Business Process Landscapes at Inland Intermodal Terminals</td>
<td>Ms. Michaela Graefelmann, Mr. Constantin Zlotos, Ms. Ann-Kathrin Lange, Prof. Carlos Jahn</td>
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<td>09:30</td>
<td>Defining the Quota of Truck Appointment Systems</td>
<td>Ms. Ann-Kathrin Lange, Mr. Felix Kreuz, Mr. Sven Langkau, Prof. Carlos Jahn, Prof. Uwe Clausen</td>
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<td>09:00</td>
<td>Session 1: Risk and Security Management II</td>
<td>Ayman Nagi</td>
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<td>Improving Risk Assessment for Interdependent Urban Critical Infrastructures</td>
<td>Dr. Sandra König</td>
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<td>09:15</td>
<td>Building a Virtual Maritime Logistics Cybersecurity Training Platform</td>
<td>Mr. Harri Pyykkö, Mr. Jarkko Kuusijärvi, Mr. Sami Noponen, Mrs. Sirra Toivonen, Dr. Ville Hinkka</td>
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<td>09:30</td>
<td>Impact of notification time on risk mitigation in inland waterway transport</td>
<td>Mr. Johannes Gast, Ms. Rebecca Wehrle, Dr. Marcus Wiens, Prof. Frank Schultmann</td>
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<td>10:30</td>
<td>HICL Workshop</td>
<td>Mr. Martin Brylowski and Janna Ehrlich</td>
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Continued from **Friday, 25 September**

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