

# LOGISTICS MANAGEMENT 25

**CONFERENCE PROGRAM**, September 17th-19th, 2025 MILAN.

The following detailed program provides insights into the thematic flow of the LM25 Conference in Milan. We are happy that more than 80 presentation slots have been accommodated, including a rich pre-conference program on September 17, followed by the main conference program on September 18 and 19. Session chairs are kindly requested to ensure on-time scheduling for the sake of fairness and the important opportunity for Q&A and discussion rounds after each presentation – presenters should therefore confine their opening talk to a maximum of 15 minutes in order to allow for about 5-7 minutes discussion facilitated by the chair person. We thank all chair persons for their service to the community as well as the reviewers who were active before the event for the conference, thank you.

The conference has a four-stream program as well as five keynote presentations outlined in the following program. We are looking forward to an inspiring event with more than 120 registered participants.

Welcome to Milan and see you during the conference!  
The LM25 Conference Program and Organizing Committee

**Venue:** Department of Management, Economics and Industrial Engineering (Building 26/B, Politecnico di Milano – Bovisa Campus), Via Raffaele Lambruschini 4/B, 20156 Milano.

## Overview

	Wed Sep 17 BL/26, 0.18			Thu Sep 18 BL/26, 0.18			Fri Sep 19 BL/26, 0.18			BL/26, 0.19			BL/26, 1.20			SALA CONSIGLIO			Fri Sep 19 BL/26, 0.18			BL/26, 0.19			BL/26, 1.20			SALA CONSIGLIO					
09.00	LM25 CONFERENCE MILAN, Politecnico di Milano DIG, Via Lambruschini 4/C, Building BL/26, 20156 Milan																		Day Welcome									Keynote: M. Gansterer					
10.00	Pre-Conference Program			Registration and Welcome Coffee (KALEIDOS Space in Building BL/26)															Coffee Break (KALEIDOS Space)														
11.00				CONFERENCE START: 11.00 H, POLIMI DIG Dean															Sustainability Session 18.4 Chair: A. Tumino			Resilience Session 19.4 Chair: H. Kopfer			Human-centricity Session 20.4 Chair: C. Truden			Session JBE H2 Chair: F. Meisel					
12.00				Keynote: S. Relvas															Lunch Break (KALEIDOS Space)														
13.00	Registration, Welcome Coffee			Lunch Break (KALEIDOS Space)															Lunch Break (KALEIDOS Space)														
14.00	PhD Seminar			PDW / Editors			Sustainability Session 18.1 Chair: C. Thies			Resilience Session 19.1 Chair: S. Lang			Human-centricity Session 20.1 Chair: F. Basso			EGA Session CAIE (S.1) Chair: C. Glock			Sustainability Session 18.5 Chair: S. Seuring			Resilience Session 19.5 Chair: A. Lange			Human-centricity Session 20.5 Chair: D. van Dun			Session JBL JBL SI TO THE POINT					
15.00				Coffee Break			Coffee Break (KALEIDOS Space)															Coffee Break (KALEIDOS Space)											
16.00	PhD Seminar			PDW / Editors			Sustainability Session 18.2 Chair: K. Horvat			Resilience Session 19.2 Chair: D. Mattfeld			Human-centricity Session 20.2 Chair: I. Bucci			Session RETAIL (S.2) Keynote: A. Hübner			Coffee Break (KALEIDOS Space)									Keynote, Closing			Keynote: S. Obermann		
17.00				PostDoc / Funding			Sustainability Session 18.3 Chair: L. Herlicka			Resilience Session 19.3 Chair: L. Xie			Human-centricity Session 20.3 Chair: R. Elbert			Session WK Logistik Keynote: A. Hillmann			CONFERENCE END: 17.00 H														
18.00				Closing			Editor Plenary and Day Closing (SALA CONSIGLIO)															Session WK Logistik											
				from 20.00 h: WELCOME DINNER			from 20.00 h c.t.: CONFERENCE DINNER																										

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## WEDNESDAY SEPTEMBER 17, 2025

Individual E-Mail Communications are sent out for these Events.

### **PhD Seminar, 13.00 – 18.00 hours, Room 0.18**

Welcome: **Federico Caniato** (POLIMI HumanTech), **Alessandro Perego** (POLIMI Logistics Group)

Chairs: **Anne Lange** and **Claudia Colicchia**

### **Paper Development Workshop, 13.00 – 18.00 hours, Room 1.25**

Welcome: **Frank Meisel** (VHB WK Logistik, Kiel University), **Angela Tumino** (POLIMI)

Introduction: **Desirée van Dun**, **Matthias Klumpp**

Chairs: **Glenn Richey** (JBL) and **Ou Tang** (IJPE)

### **PostDoc & Research Funding Workshop, 15.30 – 18.00 hours, Room Sala Consiglio**

Welcome and Chairs: **Riccardo Mangiaracina**, **Matthias Klumpp**

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### **LM25 Welcome Dinner - From 20.00 h**

Restaurant: [Lievita Sottocorno](#), Via P. Sottocorno 17, 20129 Milano ([Google Maps](#))

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## THURSDAY SEPTEMBER 18, 2025 | DAY 1

Room: **Sala Consiglio**

**10.30 h** Welcome Coffee and Registration, Kaleidos Space (in front of Sala Consiglio)

**11.00 h Opening and Welcome: Raffaella Cagliano**, Dean of Department of Management, Economics and Industrial Engineering of Politecnico di Milano

Introduction and Keynote Session

Chair: **F. Meisel, M. Klumpp**

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### **SUSANA RELVAS, Keynote Talk at 11.30 hours**

Room: **Sala Consiglio** (Building BL/26 POLIMI, Via Labruschini 4/C, 20156 Milan)

**Is the Future of the Warehouse aligned with a human-centric perspective?**

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**LM25 SPECIAL SESSION CAIE / EGA** : 13.30 – 15.00 h, Room Sala Consiglio

**Session S.1 – Sustainability – Chair: C. Glock, F. Meisel, A. Lange (Guest Editors)**

- *Lorenzo Zanchi*, **An Integrated Check-in Capacity Planning System: A Data-Driven Decision Support Framework for Airport Terminal Operations**
  - *Tobias Weberhofer*, **Data Driven Approach to Develop Improved Wall Release Rules for Production Planning in Industrialized Housebuilding**
  - *Juyoung Wang*, **Data-driven Order Batching Policy: Focusing on the Fulfillment Center of Kurly**
  - *Thomas De Lombaert*, **Better Options, Better Outcomes? - Increasing the Effectiveness of Participatory Work Systems Through Personalised Choice Alternatives**
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**SUSTAINABILITY TRACK:** 13.30 – 15.00 h, Room 0.18 (ground floor)

**Session 18.1 – Sustainability – Chair: C. Thies**

- *Anton Zackrisson*, **Electrification Scaling Curve for Phased Electrification Decisions in Heavy Duty Freight**
  - *Lorena Bearzotti*, **Sustain Ports 5.0: The Next Revolution in Sustainable Ports**
  - *Tim Knacker*, **Estimation of Aircraft Fuel Consumption and Emissions During Taxiing Processes**
  - *Christian Thies*, **Strategic Planning of Green Hydrogen Supply Networks for Sustainable Aviation**
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**RESILIENCE TRACK:** 13.30 – 15.00 h, Room 0.19 (ground floor)

**Session 19.1 – Resilience – Chair: S. Lang**

- *Dagmar Tomanek*, **Resilience of E-Commerce: Qualitative Analysis of Warehouse Management Strategies in India**
  - *Alexander Bode*, **Augment a Tactical Transportation Plan by Dynamic Scheduled Service Network Design**
  - *Claudia Piffari*, **Healthcare Service Network Design Under Competing Objectives: A Case Study on Patient Satisfaction and Resilience**
  - *Sarah Maria Lang*, **Risk-Specific Resilience Strategies: A Structured Catalogue of Measures for Supply Chains**
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**HUMAN-CENTRICITY TRACK:** 13.30 – 15.00 h, Room 1.20 (first floor)

**Session 20.1 – Human-centricity – Chair: F. Basso**

- *Rebecca Klaue*, **Workload Highs and Lows in Warehousing 5.0 – How to Understand the Lows Better?**

- *Richard Pergande*, Human-centricity without Losing Resilience: A Cybersecurity Perspective on Human-centered Industry 5.0 Applications in Logistics
- *Thilini Ranashinghe*, Worker Age and Performance in the Shift from Manual to AMR-Assisted Order Picking
- *Franco Basso*, Real-world Exposure to Last-mile Delivery Externalities: A Novel Approach

### **LM25 SPECIAL SESSION RETAIL LOGISTICS**

**ALEXANDER HÜBNER, Keynote Talk at 15.30 hours**

**Room: Sala Consiglio** (Building BL/26 POLIMI, Via Labruschini 4/C, 20156 Milan)

**The Future of Retail Logistics – Human-Machine Interaction in Retail Warehouses**

**Session S.2 – Special Session Retail – Chair: M. Klumpp**

16.00 – 18.00 h, Room Sala Consiglio

- *Alexandra Lagorio*, Microhubs with Cargo Bikes as an Effective Urban Logistics Solution: A Literature Review
- *Wolfgang Grenzfurtnner*, Food Loss and Waste Prevention in a Regional Vegetable Supply Chain in Ghana
- *Rita Maria Difrancesco*, Human-centricity in the Food Supply Chain
- *Justin Hüsemann*, Beyond the Obvious: Boundary Conditions for Resilience Management in Retail Logistics

**ANDREAS HILLMANN, Keynote Talk at 18.00 hours**

**Room: Sala Consiglio** (Building BL/26 POLIMI, Via Labruschini 4/C, 20156 Milan)

**Practical Retail Logistics Management – Questions towards Research**

### **SUSTAINABILITY TRACK**

**Session 18.2 – Sustainability – Chair: K. Horvat, 15.30 – 17.00 h, Room 0.18 BL/26 (Ground Floor)**

- *Stephan Bogs*, Practice Perspectives on CO2 Transport Optimization Models and Case Studies
- *Christian Bierwirth*, Model-based adaptation of a carrier's vehicle fleet to the environmental preferences of customers
- *Charlotte Ackva*, Scenario-Guided Large Neighborhood Search for Integrated Transportation of Goods and Passengers via Ferries
- *Kristof Horvat*, Regional perspectives on e-truck integration: insights from the European and Chinese freight sectors

**Session 18.3 – Sustainability – Chair: L. Herlicka, Thursday September 18, 2025, 17.00 – 18.30 h, Room 0.18 BL/26 (Ground Floor)**

- *Giorgio Burini*, Learning to Be Circular: An Exploratory Study of Urban Reverse Supply Chains
- *Wichai Chattinnawat*, Sustainable Design of Supply Chain Variable Lot Size and Partial Transportation with Quality using Environmental Management Accounting framework of Material Flow Cost Accounting
- *Jan Bischoff*, Location of multi-fuel bunkering infrastructure in the Baltic Sea
- *Lisa Herlicka*, Designing Regional Supply Chains for Carbon Capture and Storage with Alternative Transportation Modes

### **RESILIENCE TRACK**

**Session 19.2 – Resilience – Chair: D. Mattfeld, 15.30 – 17.00 h, Room 0.19 BL/26 (Ground Floor)**

- *Samira Ghaneian Sebdani, A Systematic Study of Inland Combined Terminal Layouts*
- *Tim Gruchmann, How to Avoid Statistical Biases when Testing Operational Theories – An Application of Middle Knowledge in Experimental Research Designs*
- *Jiahong Que, Comparing and Predicting Taxi-in Times for Passenger and Cargo Flights at Frankfurt Airport*
- *Dirk Mattfeld, Configuration of Mixed Fleets for Urban Delivery*

**Session 19.3 – Resilience – Chair: L. Xie, 17.00 – 18.30 h, Room 0.19 BL/26 (Ground Floor)**

- *Elham Ahmadi, A Transformer-RL Framework for ETA Prediction and Decision-Making in Multimodal Passenger-Freight Transport*
- *Julia Herget, Pre-Sorting the Future: Evaluating Early Customs Information Sharing in Airport E-Commerce Logistics*
- *Antonio Maria Coruzzolo, Development and Evaluation of an Optimization Model for Automatic Order Picking in U-Shaped Corridors*
- *Lin Xie, CPU-Based Layout Design for Picker-to-Parts Pallet Warehouses*

**HUMAN-CENTRICITY TRACK**

**Session 20.2 – Human-centricity – Chair: I. Bucci, 15.30 – 17.00 h, Room 1.20 BL/26 (First Floor)**

- *Cristian Bitterling, Together, We Assemble: Social Sustainability and Industry 5.0 in Production Logistics*
- *Manuel Wehner, Mobile Robotic Systems Supporting Air Cargo Intralogistics: Prototyping Insights from Munich Airport*
- *Sajjad Shooshtari, “Would that be all?” – A Capacity Approach Literature Review Regarding Deaf and Hard of Hearing (DHH) Workers in Operations and Logistics*
- *Ilaria Bucci, Toward Human-centric Environments: A Systematic Literature Review of Participatory Approaches and Accessibility in Workplace Design*

**Session 20.3 – Human-centricity – Chair: R. Elbert, 17.00 – 18.30 h, Room 1.20 BL/26 (First Floor)**

- *Vittoria Tudisco, Sustainable and Human-centric Warehousing – Operator Well-being and Energy Consumption*
- *Rebecca Klaue, How to Identify Boreout within Blue-Collar Operations?*
- *Michael Bauer, Digital Transformation Coaching in Warehousing 5.0*
- *Thomas Härtel, Towards an autonomous intermodal transport chain. An analysis of the various automation levels of transport modes*

**LM25 EDITOR PANEL DISCUSSION**

**“WHAT IS THEORY AND WHAT ARE THEORY CONTRIBUTIONS IN LOGISTICS MANAGEMENT RESEARCH?”**

**Sala Consiglio, 18.30-19.00 h**

Chair and Moderator: **Stefan Seuring**

Opening Remarks: **Stefan Seuring – “Theorizing in Logistics Management Research”**

**Panel Members:**

- *Glenn Richey*
- *Ou Tang*
- *Ani Melkonyan-Gottschalk*
- *Ivan Russo*
- *Desirée van Dun*

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**VHB WK Logistik – Member Session**

**Sala Consiglio, 19.00-19.45 h**

Chair and Moderator: **Frank Meisel**

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**LM25 CONFERENCE DINNER - from 20.00 h c.t.**

Restaurant: [Osteria del Treno](#) ("Sala Liberty") at Via San Gregorio, 46, 20124 Milano ([Google Maps](#))

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## FRIDAY SEPTEMBER 19, 2025 | DAY 2

Welcome and Session Chair: **Sara Perotti** (POLIMI) & **Frank Meisel** (University of Kiel, VHB WK)

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### **MARGARETHA GANSTERER, Keynote Talk at 09.30 hours**

**Room: Sala Consiglio** (Building BL/26 POLIMI, Via Labruschini 4/C, 20156 Milan)

**Logistics and Vehicle Routing between AI & Social Sustainability Management Requirements**

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### **LM25 SPECIAL SESSION JBE / GREEN HYDROGEN**

**Session S.3 – JBE – Chair: F. Meisel, C. Thies (Guest Editors), 11.00 – 12.30 h, Room Sala Consiglio**

- *Eberhard Schmid*, Activity Analysis-based Framework for Economic and Environmental Modelling and Evaluation of Hydrogen Pathways
  - *Vincent Sroka*, Diversification in the Design of Import Networks for Green Hydrogen: A Case Study for Germany
  - *Tjard Bätge*, How Back-to-Back Refueling Affects the Configuration of Gaseous Hydrogen Refueling Stations: A Techno-Economic Assessment
  - *Udo Buscher*, A Game-Theoretic Bilevel Approach for a Green Hydrogen Supply Chain in the Steel Industry
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### **LM25 SPECIAL SESSION JBE / TO THE POINT STF (OPEN CALL → OCT 31)**

**Session S.4 – JBL – Chair: M. Klumpp (Guest Editors), 13.30 – 15.00 h, Room Sala Consiglio**

- *Jacob Hamann-Lohmer*, Beyond Automation: Industry 4.0 technologies as Drivers of Coordination and Standardization in Production Networks
  - *Javier Maturana-Ross*, Exploring Right-Hand-Side Uncertainty in Insular Vehicle Routing Problems
  - *Philipp Willms*, Tuning Proximal Policy Optimization to Solve the Westenberger-Kallrath Problem with Heuristics and Reinforcement Learning
  - *Chang Dou*, An economic analysis of using e-cargo bikes for last-mile delivery considering battery swapping and fast charging.
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### **SUSTAINABILITY TRACK**

**Session 18.4 – Sustainability – Chair: A. Tumino – 11.00 – 12.00 h, Room 0.18 BL/26 (Ground Floor)**

- *Maria Carissimi*, Enhancing the Sustainability of E-Commerce Reverse Supply Chain: A Systematic Literature Review
- *Bernardo Puente-Mejia*, The Price of Speed: The Economic and Environmental Cost of E-Commerce Giants
- *Darleen Dolch*, Enabling the Successful Adoption of Reusable Transport Packaging in E-Commerce: Recommendations from Companies and Consumers
- *Angela Tumino*, To Greener Groceries: Measuring the Environmental Impact of E-Grocery Logistics Networks

**Session 18.5 – Sustainability – Chair: S. Seuring, 13.30 – 15.00 h, Room 0.18 BL/26 (Ground Floor)**

- *Hella Abidi*, Integrating Circular Economy, Emerging Technologies, and Collaboration in Sustainable Logistics: A Systematic Literature and Bibliometric Analysis
- *Sebastian Knöchel*, Sustainability in Last Mile Delivery – A Mixed-method Approach Investigating the Value (Co-)Creating Relationships between Retailers, Municipalities, Logistic Services and Consumers
- *Irina Dovbischuk*, Advancing Social Sustainability in Global Supply Chains: A Literature-Based Framework for Understanding Corporate Engagement with Indirect Suppliers in Vietnam

- *Stefan Seuring, Artificial Intelligence in Sustainable Supply Chain Management – A Podcast-based Analysis*
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## **RESILIENCE TRACK**

**Session 19.4 – Resilience – Chair: H. Kopfer, 11.00 – 12.30 h, Room 0.19 BL/26 (Ground Floor)**

- *Konstantin Scheeff, Last Mile Logistics and Social Responsibility – Expectations and Satisfaction of Consumers*
- *Lennart Kunze, The Last Mile Showdown – Design and Validation of Effective Outbound Last Mile Product Volume Decisions Balancing Logistics and POS Requirements*
- *Thilini Ranashinghe, The Role of Zone Familiarity in Retail Order Picking*
- *Herbert Kopfer, Organizing the Traffic at the Cross-Aisle of an Automated Storage and Retrieval System*

**Session 19.5 – Resilience – Chair: A. Lange**

**Friday September 19, 2025, 13.30 – 15.00 h, Room 0.19 BL/26 (Ground Floor)**

- *Ali Heidari, Exploring the Potential of Unsupervised Learning in Inventory Control: Applications, Challenges, and Research Directions*
  - *Barbara Himstedt, Spatial Determinants of Urban Delivery Performance*
  - *Marcus Brandenburg, The German Supply Chain Due Diligence Act and Its Impacts on (Sub-)Suppliers*
  - *Laura Pappert, Unlocking Operational Efficiency: Data Analysis of Turnaround Timestamps in Aviation*
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## **HUMAN-CENTRICITY TRACK**

**Session 20.4 – Human-centricity – Chair: C. Truden, 11.00 – 12.30 h, Room 1.20 (First Floor)**

- *Maximilian Barlang, Walk or Wait? – Insights into a Simulation Study on the Application of Waiting Strategies in Manual Warehouses*
- *Sajjad Shooshtari, "Do you Hear my Performance?" – An Empirical Investigation on Operations Impact of Occupational Noise*
- *Michel Jahns, Using Variable Transfer Points to Enhance the Crowdshipping Concept with Joint Deliveries*
- *Christian Truden, Learning of Heterogeneity in Driver-Customer Interactions: Vehicle Routing with Driver-Dependent Service Times*

**Session 20.5 – Human-centricity in Transportation – Chair: D. van Dun**

**Friday September 19, 2025, 13.30 – 15.00 h, Room 1.20 (First Floor)**

- *Nele Schwedler, The Neglected Pillar: Social Sustainability in Freight Transport*
  - *Maria Keil, Chronotype Alignment in Grocery Retail Truck Driver Vehicle Routing and Shift Allocation in Logistics 5.0*
  - *Felix Spühler, A data-driven analysis of cycling preferences in route planning*
  - *Desirée van Dun, Recognizing Critical Moments in Complex Logistics Task Execution with Video and Arousal Data Analysis*
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**STEFFEN OBERMANN, Keynote Talk at 15.30 hours**

**Room: Sala Consiglio (Building BL/26 POLIMI, Via Labruschini 4/C, 20156 Milan)**

**Logistics and the Human Factor – Logistics 5.0 in Business Practice**

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**16.30 LM25 Conference Closing and Farewell**