International Conference on Logistics and Maritime Systems

https://www.logms2024.uni-hamburg.de/

August 26-29, 2024, University of Hamburg, Hamburg, Germany

and

Summer School on Digital Transformation and Optimization in Seaports

August 24-26, 2024, University of Hamburg, Hamburg, Germany

https://www.logms2024.uni-hamburg.de/en/summer-school.html

Digital Waves in Logistics and Maritime Systems: Sailing Towards Efficiency

LOGMS provides a platform for establishing international networks among researchers and practitioners in logistics and maritime systems. The LOGMS conference is a meeting among maritime logistics and systems experts to share research methodologies and results with each other and explore future development directions. We hope that all people in this area are able to acquire useful information from this event and contribute to improving this platform.

Aims and Scope of the Conference

The logistics and maritime industry are more and more driven by AI-enabled optimization and analytics, harnessing the vast amount of data generated everywhere in supply chains, including real-time data from IoT devices. This trend raises numerous research inquiries spanning areas like the operational management of autonomous vessels and transport equipment, gaining deeper insights into markets through the analysis of demand and price data, exploring new forms of collaboration, evaluating environmental impacts of systems and actors, and many more. Emerging innovations and smart technologies hold the potential to empower various stakeholders within the logistics and maritime sector, enabling them to make informed decisions, achieve heightened levels of performance, enhance sustainability, and ultimately bolster their competitive edge.

The organizers of LOGMS 2023 cordially invite you to submit your paper to this conference to join an open academic discussion on related topics. All papers related to theoretical developments and practical applications of logistics and maritime systems are welcome. We especially welcome application case studies from industries. Relevant topics include, but are not limited to:

- Port Planning and Design
- Maritime Policy Development and Analysis
- Economic Impact of International Maritime Policy
- Shipping and Ports Development
- Port Economics
- Port Operations and Operations Planning
- Empty Container Repositioning
- Port Simulation
- Port Automation
- Logistics Network Design
- Optimization and Metaheuristics
- Shipping & Transportation in Supply Chains
- Revenue Management
- Impact of Strategic Alliances
- Supply Chain Modeling and Management
- Air Transportation
- Rail Transportation
- Maritime Transportation
- Inter-modal Transportation
- Multi-modal Terminals and Transportation
- Green Logistics
- Safety in Port Operation
- Cargo and Container Tracking Systems
- Information Technology in Logistics
- Wireless Communications for Ports
- Positioning/Locating RTLS and GPS
- Business Processes Innovation for Logistics
- Unmanned Autonomous Moving Vehicles
- Autonomous Vessel Operations
- Automated Equipment in Logistics
- AI for Ports and Maritime Logistics
- Big Data Analytics in Maritime Systems
- IoT for Enhancing Port Operations
- Digital Twins for Maritime Logistics and Ports
- Port Process Analytics
- AI-based Logistics Optimization
- Carbon-neutral Supply Chains
- Safety in Logistics Services
- Supply Chain Network Optimization
- Advanced Planning & Scheduling
- Production/Distribution Planning
- Inventory Planning

- Vehicle Routing & Scheduling
- Reverse Logistics
- Warehouse Management

Important Conference Dates

- Deadline Submission of Abstracts: April 30, 2024
- Deadline Notification of Acceptance: May 7, 2024
- Full and Short Paper Submission (for candidates of the Best Student Paper Award): May 30, 2024
- Deadline Notification of Acceptance Full/Short Paper: June 14, 2024
- Deadline Author Registration Early Bird: June 21, 2024
- Final Deadline Author Registration: July 10, 2024

Conference Submissions

- Please submit your abstract OR paper to Easy Chair: https://easychair.org/conferences/?conf=logms2024
- Extended abstracts: at most 4 pages long
- Short papers. 4 to 8 pages long
- Full papers: 8-15 pages long

Short and full papers will be published in the Springer series Lecture Notes and Computer Science (LNCS).

Registration Fees for the Conference

	Early Bird (until June 21, 2024)	Regular (until July 10, 2024)
Industrial participants	€ 450	€ 500
Academic participants	€ 450	€ 500
Students	€ 350	€ 400
Dinner Fee Industrial and Academic	€ 80	€ 80
Dinner Fee Students	€ 60	€ 60

Please register at Converia: https://express.converia.de/frontend/index.php?page_id=37044

Summer School on Digital Transformation and Optimization in Sea Ports

Location

Moorweidenstr. 18, University of Hamburg, Hamburg

Dates and Time

24.08.2024: 10:00-12:00 am; 2:00-6:00 pm
25.08.2024: 10:00-12:00 am; 2:00-4:00 pm
26.08.2024: 10:00-12:00 am; 2:00-4:00 pm

Aims and Scope of the Summer School

In the summer school we provide an overview and practical insights and examples on the developments and state-of-the-art technologies and optimization approaches in the context of seaports. The main topics covered in a series of 45 min. lectures include:

- Digital transformation in seaports
- Digital twins in seaports with a real-world example in the Port of Hamburg (Germany)
- Planning and optimization in container terminals (e.g. solving sudokus)
- Optimization approaches and metaheuristics
- Simulation of container terminals
- Digital trucking – from theory to practice (a real-world example with driveMybox)

In Connection with registering for the LOGMS Conference, the Summer School will be free of charge.

Conference Chairs

Leonard Heilig

Stefan Voß