



Arab Academy

for Science, Technology and Maritime Transport

The International Maritime Transport
and Logistics Conference

"MARLOG 14"

**Artificial
Intelligence
Implementations**

Towards Shaping the Future
of the Digital World

14
Mar  **2025**



23-25 Feb, 2025 - Hilton Green Plaza
Alexandria, Egypt



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for Science, Technology and Maritime Transport

The International Maritime Transport and Logistics Conference

"MARLOG 14"



H.E. Mr. Ahmed About Ghelt
Secretary General of
the League of the Arab States

Under The Auspices of



H.E. Lieutenant-General Kamel Al-Wazir
Deputy Prime Minister for Industrial Development
Minister of Industry and Transport



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MARITIME TRANSPORT & LOGISTICS



23-25 Feb, 2025 - Hilton Green Plaza
Alexandria, Egypt



Introduction:

In an ever-growing world of possibilities and innovations, yet facing many challenges, artificial intelligence (AI) is poised to revolutionize the maritime transportation and logistics sectors in the near future. Ultimately, AI will shape a more efficient, accurate, and secure future for the next generations. AI will fundamentally transform every aspect of the maritime and logistics industry, enhancing the way goods are transported, monitored, and managed across the globe.

AI's capabilities in analyzing vast amounts of data, predicting outcomes, and optimizing operations are proving invaluable for the safety, efficiency, and sustainability of seaport operations. From enhancing navigational systems and automating cargo handling to improving supply chain efficiency and reducing carbon footprints, the integration of AI not only expedites operations but also paves the way for a smarter and more connected world through ports.

However, to ensure the successful application of AI, it is essential to build a digital infrastructure comprising effective, rapid, and large communication networks to allow for the real-time exchange of data and knowledge between different partners and elements of the operation.

MARLOG 14 highlights the best practices and efficient applications of artificial intelligence systems through modern innovations and technology, and their role in shaping the future of the digital world alongside other smart systems.



Themes:

1 Applications of AI In Port Layout Operations, and Management

- Smart ports and logistics
- Digitalization in port community systems
- Port optimization and efficiency
- Applications in cargo handling
- Predictive maintenance for port infrastructure
- Vessel traffic management systems
- Autonomous vessels and drones in port operations
- Vehicle routing and scheduling
- Collision avoidance and situational awareness

2 AI In Supply Chain Logistics Management

- Shipping and transportation in supply chains
- Supply chain modeling and management
- Multi-modal terminals and transportation
- AI for cargo handling and improved logistics flow
- Supply chain performance and risk management
- Supply chain network optimization
- Logistics facilitation
- Route optimization and scheduling
- Cargo and container tracking systems
- Blockchain and AI integration in supply chain logistics
- Logistics networks design

3 Digital Transport Corridors

- Concept of digital transport corridors
- Economic evaluation of current and future corridors
- Impact of geopolitical crises on the capacity of existing corridors
- International border facilitation policies
- Strategies and future development of international transport corridors
- Real-time transport tracking
- Design and implementation of digital transport corridors
- Security systems for digital transport corridors



Themes:

4 AI in Maritime Safety and Security

- Data analysis for maritime safety and efficiency
- Maritime risk assessment and prediction
- Vessel monitoring and anomaly detection
- Case studies and lessons learned on successfully implemented digital systems
- Applications for maritime surveillance and piracy prevention
- Incident response and emergency management
- Cybersecurity challenges in digitalized maritime systems
- Safety in port operations and logistics services
- Security at sea

5 AI in Maritime Environmental Sustainability

- Emissions reduction and green shipping initiatives
- Applications for fuel efficiency and energy optimization
- Environmental impact assessment and mitigation
- Sustainable practices and AI innovations in the maritime industry
- Green and smart shipping
- Alternative fuels and renewable energy
- Energy efficiency and management

6 Applications of AI in Port Engineering and Ship Design

- Vessel performance analysis and optimization
- Predictive maintenance for ships and equipment
- Applications in vessel navigation and control systems
- Port automation
- Autonomous vessel design and operations
- Innovative design and inventions
- Port simulation
- Port planning and design
- Production planning and forecasting
- Adaptive and self-learning maritime systems





Themes:

7 Application of AI in Maritime Training, Education, and Skill Development

- Integrating technology into maritime education and training
- Machine learning algorithms for optimizing maritime resources
- AI-based training methods to enhance operational efficiency and maritime safety
- Training on real-time decision-making
- Virtual reality and simulation
- Future maritime simulator education and training
- Innovative training techniques and equipment for the maritime industry
- Navigation and positioning
- Training and emergency response

8 AI in Maritime Regulations, Policy, Law, and Governance

- IMO regulations applied to autonomous ships
- Ethical and regulatory aspects of maritime operations
- Maritime social and labor governance
- AI applications for maritime regulatory compliance
- AI-driven risk assessment and compliance monitoring
- AI-enabled automated documentation and reporting
- Regulatory challenges in adopting AI in the maritime sector
- Arbitration and port construction disputes



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Eng. Francesc Carbonell	Head of Sector, Transport and Urban Development, Union for the Mediterranean.
Mrs. Ana Rumbau Daviu	Training Director, Valencia Port Foundation, Port Authority of Valencia, Spain.



Important Dates:

Abstract Submission Opening:	15-08-2024
Abstract Submission Deadline:	15-09-2024
Abstract Acceptance Notification:	30-09-2024
Full Paper Submission Deadline:	31-10-2024
Full Paper Acceptance Notification:	30-11-2024



Conference Fees:

	Fees Non-Egyptians	Fees Egyptians
Attendance	1000 US \$	6500 EGP
Research Paper Publication	600 US \$	6500 EGP

Accommodation		
Non-Egyptians	170 US \$ (Single room per night, B&B) 190 US \$ (Double room per night, B&B)	
Egyptians	8500 EGP (Package for 3 nights: Single Room, B&B)	



Conference Booklet Advertisement Prices:

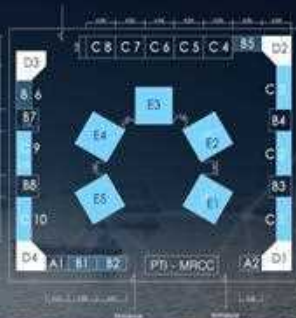
Number of pages	EGP Price (Egyptians)	US \$ Price (non-Egyptians)
Full Page	5000 EGP	350 US\$



Exhibition

"The International Maritime Technology Expo (MarTech)" 2025

The "International Maritime Technology Expo (MarTech)" 2025 targets local, regional and international companies working in the field of technology, innovation and the Maritime industry. The exhibition is considered one of the largest specialized exhibitions in Egypt, Arab Region and Africa. The Exhibition enables the opportunity for showing the state of the art technology developments in the field of maritime transport and logistics.



• Virtual Reality and Simulation

• Information and Communications Technology (ICT)



• AI in Maritime Safety and CyberSecurity



• Innovative Design and Inventions



• AI Applications in Ship Building Industry

• Banks and Financial Services



• Marine Technology





• AI Tools and Services




Exhibition Fees:

Model	Area	EGP Price (Egyptians)	US \$ Price (non-Egyptians)
A	6.00 m ²	EGP 15.000	2.000 US\$
B	9.00 m ²	EGP 20.000	2.500 US\$
C	12.00 m ²	EGP 25.000	3.000 US\$
D	15.00 m ²	EGP 25.000	3.000 US\$
E	25.00 m ²	EGP 50.000	4.250 US\$


Conference Booklet Advertisement Prices:

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10000 US\$	7500 US\$	4000 US\$	2000 US\$
			

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Advertising hanger in the conference hall and exhibition.	6	4	2	
Advertising in conference printed material.	2 Pages	1 Page	½ Page	
Privilege of using conference logo to promote productions.	6 months	4 months	2 months	
Bags and free attendance invitations.	5	4	3	2
A discount on the Marfacth 2025 Expo pavilions.	100%	50%	25%	15%



Conference Booklet Advertisement Prices:

Sponsorship Qualities	Diamond Sponsor	Platinum Sponsor	Golden Sponsor	Silver Sponsor
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Sponsor's publications inside conference bags and reception area	●	●	●	●
Special Thanks in conference booklet, and final conference visual report	●	●	●	●
Distinguished Mention in the conference press releases	●	●	●	●

* Sponsor's Logo size, name, and advertising shall conform to the type of sponsorship and its relative size.

**More details are provided in the sponsorship booklet

1 Delegates Bags Sponsor: (750 \$)

- Sponsor Logo printed on bags.
- Sponsor Banner added inside the bags.
- Sponsor Logo added to the conference website.
- Short profile about the sponsor will be added to the conference website and the conference program.



2 Refreshment Breaks Sponsor: (650 \$)

- Announcement at the conference (before the refreshment breaks)
- Banner added in the exhibition area (refreshment drinks corner)
- Sponsor Logo added to the conference website
- Short profile about the sponsor added to the conference website and the conference program.

3 Badges/ Name Tags Sponsor: (500 \$)

- Sponsor logo added to all name tags.
- Sponsor logo added to the conference website
- Short profile about the sponsor added to the conference website and the conference program.



For more information please check Marlog Sponsorship Booklet

<https://marlog.aast.edu/en/sponsorship-booklet>



Publications:

All Accepted papers will be published in Marlog Conference Proceedings which is Scopus Indexed.



Marlog Conference Materials

P-ISSN: 2682-3764

E-ISSN: 2682-3756



International Journals

- All accepted papers of the Marlog Conference will be published in the yearly issue of:

The International Maritime Transport and Logistics Conference Journal



Journal Website: <http://opc.aast.edu/ojs/index.php/MARLOG/index>

P-ISSN: "2974-3133"

E-ISSN: "2974-3141"

- Some selected papers will be invited to submit an extended version to Special Issues of: International Business Logistics



Please note that chosen papers will have to follow the journal template for the paper to be published at the journal website, for more information please visit the following link:

<http://opc.aast.edu/ojs/index.php/IBL/about/submissions#authorGuidelines>



Payment Methods

- Online Payment
- Bank Transfer.



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Contact us :

Conference :	: conference@marlog.aast.edu : +20-(0) 10 0600 9877 : Fax :+20-(0)-3 56 22 915 : http://marlog.aast.edu
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For registration please visit the conference website: <http://marlog.aast.edu>



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