



Arab Academy

for Science Technology & Maritime Transport

The International Maritime
Transport and Logistics Conference
"Marlog 10"

Digitalization in Ports & Maritime Industry

Under The Auspices of

H.E. Mr. Ahmed Aboul Gheit
Secretary General of the League of the Arab States



Scientific Partner



Academic Partner:



UNIVERSITÀ DEGLI
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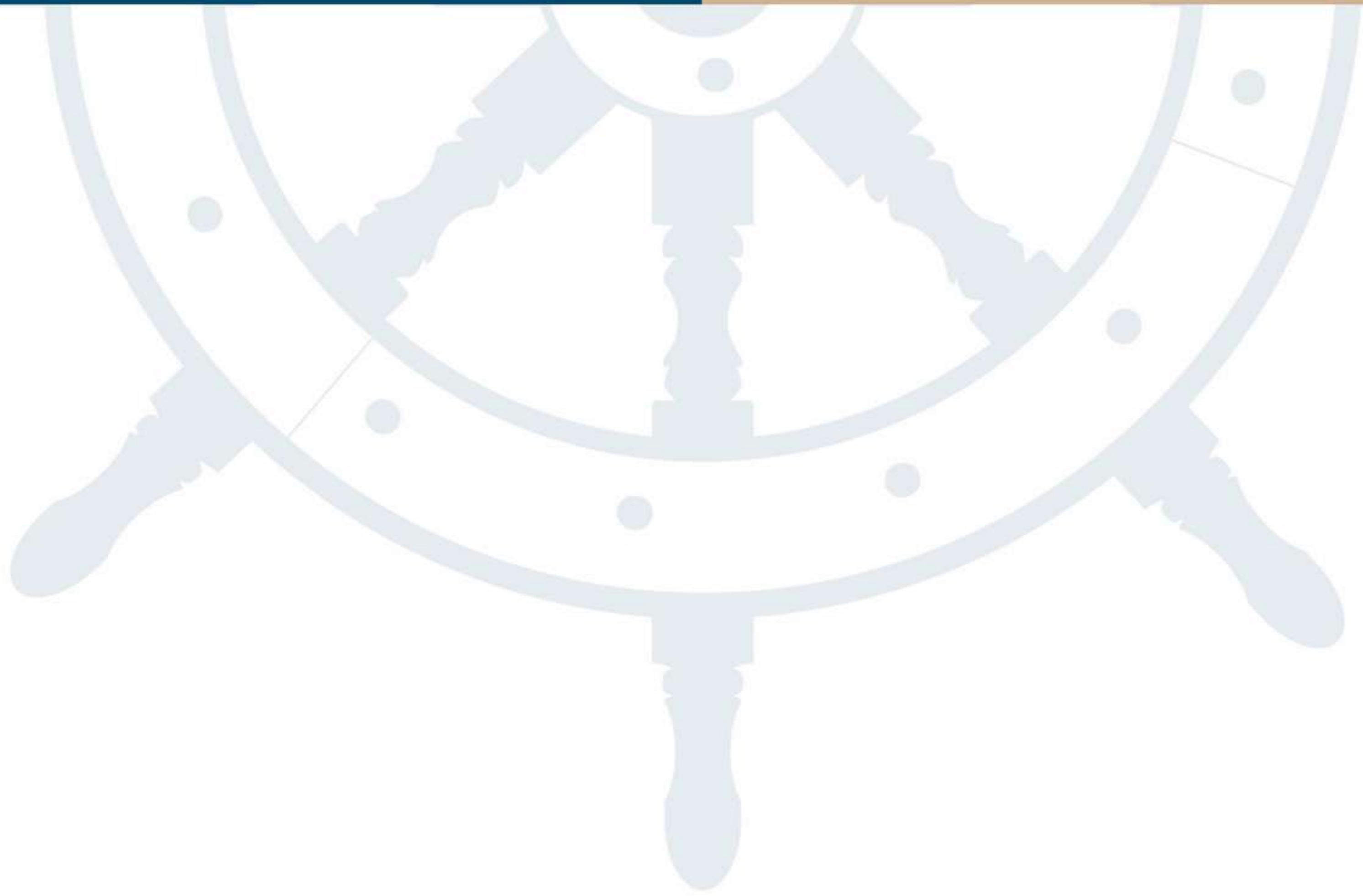
Co Organizers



Media Partners



13 - 15 June, 2021
Hilton Green Plaza Hotel



The International Maritime Transport and Logistics Conference
“Marlog 10”

Digitalization in Ports & Maritime Industry



The International Maritime Transport and Logistics Conference “Marlog 10” Digitalization in Ports & Maritime Industry

Introduction :

Over the past two decades, digital transformation has become an essential tool in the business sector which foretells a significant leap in the patterns of business, industries and supply chains as well as a potential change in the world trade map.

Considering that about 90% of the world trade volume is currently transported across seas and oceans, it is essential that ports, logistics and maritime transport industry be ready to meet and cope with the challenges expected from such digital transformation to keep its share of the world trade. In addition, digitalization of the maritime industry provides new opportunities to enhance the efficiency, productivity, and sustainability of logistics.

The concept of smart ports, aims to adopt digital technologies to enable better planning and management of activities and resources in ports and share real-time information concerning the supply chain. Digital technologies like big data, Internet of things, and block chain have recently been entered and used in supply chain management.

Digital technologies enable companies and authorities to create opportunities for transparency, efficiency and collaboration which hold great potential for all the parties involved in this industry.

The current and previous events and crises that the world is going through, such as Covid-19 epidemic, proved the need to maximize the benefits of digital transformation in the maritime transport and logistics industry as an optimum solution to reduce the consequences of such crises.

Objectives :

The conference aims to discuss the horizons of digitalization in ports, logistics and maritime industry through the following topics:

- Digital Transformation in Ports: Challenges & Opportunities.
- Smart Logistics and Supply Chain Management
- Innovative Artificial Intelligence & Robotics technologies for port operation
- Digital Ecosystems for smart ports
- Cybersecurity Risk management and assessment
- The Role of digitalization of ports in reducing Covid19 consequences
- Modern trends for enhancing human resources capabilities in maritime industry within digital transformation



Themes :

1 Digital Transformation in Port Services Administration & Marketing

- Shipping digitalization management (concepts, strategies & business models).
- Motives for digital transformation in the container shipping sector.
- Digital tools to increase efficiency in operations, safety and reliability.
- Digitalization of maritime freight market.
- The role of data analytic in the integration of governance systems in ports.

2 Digitalization of Supply Chain: Implications for Future

- Digital smart logistics: Concepts and strategic perspective.
- The role of digitalization of supply chain on blockchain integration.
- Digital supply chain towards smart management and operation.
- Preliminary considerations for 4IR-driven supply chains.
- Industry 4.0 and supply chain sustainability.



3 The Role of Digital Transformation of Ports to Reduce COVID-19 Consequences

- COVID-19 to accelerate digitalization of the maritime industry.
- The role of digitalization of ports to drive post-COVID-19 recovery.
- Analysis of COVID-19 impact on shipping based on Big Data.
- Innovative smart solutions for ports in the era of COVID-19.

4 Artificial Intelligence and Robotics: Ports and Logistics

- Modern Artificial Intelligence Applications in intermodal transportation.
- Business intelligence competencies for port community systems.
- Smart port-city: A catalyst for the global world economy development.
- Autonomous shipping and inland navigation.
- Machine learning innovations in container terminals.



Themes :

5 Cybersecurity Risk Management in Maritime and Logistics Industry

- Cyber risk challenges in the maritime transport systems.
- Cybersecurity assessments for critical port infrastructure.
- IOT solutions for risk assessment in ports.
- Cloud computing security issues and solutions in maritime and logistics industry.

6 Smart Ports Entrepreneurial Ecosystem Development

- Encouraging kick off port city ecosystems innovations.
- Smart Reliable and energy-saving solutions in ports.
- Digital business for maritime and logistics ecosystems.
- Smart Ecosystem - Success story (best practice).



7 Reinforcing Capacity Building for Supporting Digitalization in Ports and Maritime Industry

- Digital transformation of human resource management in maritime and logistics sector.
- Raising cybersecurity awareness in port and logistics community.
- Future Professions in the era of digitization of maritime industry.
- Promote peer-to-peer learning and knowledge sharing in the workplace.

Conference Chairman:

Prof. Ismail Abdel Ghafar Ismail Farag

Conference Chairman,

Organizing Committee:

Prof. Akram Soliman Elselmy

Head of Organizing Committee

Dr. Mohey Eldeen Elsayeh

Dean, College of Maritime Transport & Technology, AASTMT.

Dr. Sara Elgazzar

Dean, College of International Transport & Logistics, AASTMT Alexandria.

Prof. Alaa Mahmoud Morsy

Vice Dean, Port Training Institute, AASTMT.

Dr. Sara Elzarka

Dean, International Transport & Logistics institute, AASTMT

Dr. Khaled Elsakty

Dean, College of International Transport & Logistics, AASTMT, Cairo.

Dr. Mohamed Mahmoud Ali

President Assistant for Technology Development, AASTMT.

Dr. Ahmed Osman Idris

Dean, Maritime Research and Consultation Center (MRCC), AASTMT.

Dr. Sandra Hadad

Vice Dean for Postgraduate Studies and Scientific Research, College of International Transport & Logistics, ASSTMT.

Capt. Mahmoud El-Bawab

Vice Dean, Maritime Postgraduate Studies Institute, AASTMT.



Organizing Committee



Technical Committee:



| | |
|--|--|
| Head of the Technical Committee: Prof. Yousry El Gamal | Professor of Computer Eng. College of Engineering, AASTMT. Former Minister of Education, Former Head, board of Trustee, Egypt-Japan University, Egypt. |
| Prof. Martin Renilson | President, Royal Institution of Naval Architects, Australian Division, Australia. |
| Prof. Bojan Rosi | Former Dean, Faculty of Logistics, University of Maribor, Slovenia. |
| Prof. Roberto Revetria | Professor of Mechanical Engineering, University of Genoa, Italy. |
| Prof. Changqian Guan | Head, Department of Marine Transportation, U.S. Merchant Marine Academy, USA. |
| Prof. Sam Yahalom | Professor, Department of International Trade and Transport, State University of New York Maritime College, USA. |
| Prof. Son "Shan" Nguyen | Department of Maritime and Logistics Management Australian Maritime College, National Centre for Ports and Shipping, University of Tasmania, Australia. |
| Prof. Salman Nazir | Training and Assessment Research Group (TARG), Department of Maritime Operations, Faculty of Technology, Natural Sciences and Maritime Sciences, University of South-eastern Norway, Norway. |
| Prof. Aristotelis Naniopoulos | Division of Transportation, Infrastructure and Regional Planning Engineering, Faculty of Engineering, Aristotle University of Thessaloniki, Greece. |
| Prof. Ahmed Amin | Professor, Civil Engineering Department, Suez Canal University. |
| Prof. Alaa A. Abdel Bary | Vice President for Graduate Studies & Scientific Research, AASTMT. |
| Prof. Ehab M. El Kassas | President Assistant for Research and Consultation, AASTMT |

Technical Committee





Technical Committee:



| | |
|-------------------------|---|
| Prof. Yasser Elsonbaty | Dean, College of Computing and Information Technology, AASTMT. |
| Prof. Islam El-Nakib | Dean, College of International Transport & Logistics, AASTMT, El Alamein. |
| Dr. Gehan Saleh | Egyptian Prime Minister Advisory for Economic Affairs. |
| Dr. Gamal Ghalwash | Vice President for Training and Community Service, AASTMT. |
| Dr. Mohammed Daoud | Vice President for Maritime Affairs, AASTMT. |
| Dr. Elsenousy Balbaa | Vice President for African & Asian Affairs, AASTMT. |
| Dr. Hyundeok Kim | Dean, College of Future Convergence, Sunchon National University, South Korea. |
| Dr. Babak Banijamali | Vice-Chairman of Maritime Navigation Commission (MarCom) World Association for Waterborne Transport Infrastructure, PIANC |
| Dr. Nikitas Nikitakos, | Visiting Professor, Netherlands Maritime University College, Malaysia. Professor of Shipping Informatics and New Technologies, Department of Shipping Trade and Transport, University of the Aegean, Greece |
| Dr. Gianfranco Fancello | Professor at the Department of Civil and Environmental Engineering and Architecture, Transportation sector, University of Cagliari. General Manager, Centre of Excellence for Transport of the Sardinia region, Italy. |
| Dr. Patrizia Serra | Associate Professor, Department of Civil and Environmental Engineering and Architecture - Transportation sector, University of Cagliari, Italy |
| Eng. Francesc Carbonell | Head of Sector, Transport and Urban Development, Union for the Mediterranean. |
| Mrs. Ana Rumbeu Daviu | Training Director, Valencia Port Foundation, Port Authority of Valencia, Spain. |

Committee





Important Dates:



2021

| | |
|---------------------------------------|------------|
| • Abstract Submission Opening: | 10/12/2020 |
| • Abstract Submission Deadline: | 15/3/2021 |
| • Abstract Acceptance Notification: | 22/3/2021 |
| • Full Paper Submission Deadline: | 22/4/2021 |
| • Full Paper Acceptance Notification: | 5/5/2021 |



Conference Fees:

Egyptians:

| | |
|--------------------------------|--|
| Registration | 2500 EGP |
| Registration and Accommodation | 7500 EGP (Package for 3 nights – single) |

Non-Egyptians:

| | |
|---------------|-----------------------------------|
| Registration | 1000 US \$ |
| Accommodation | 150 US \$ (Single room per night) |
| | 170 US \$ (Double room per night) |



Exhibition :

| Model | Area | EGP Price (Egyptians) | US \$ Price (non-Egyptians) |
|-------|----------------------|-----------------------|-----------------------------|
| A | 6.25 m ² | 10000 EGP | 2000 US\$ |
| B | 12.50 m ² | 20000 EGP | 3500 US\$ |
| C | 22.00 m ² | 25000 EGP | 5000 US\$ |
| D | 25.00 m ² | 40000 EGP | 6000 US\$ |



Exhibition :

The International Maritime Expo (IME)" 2020"

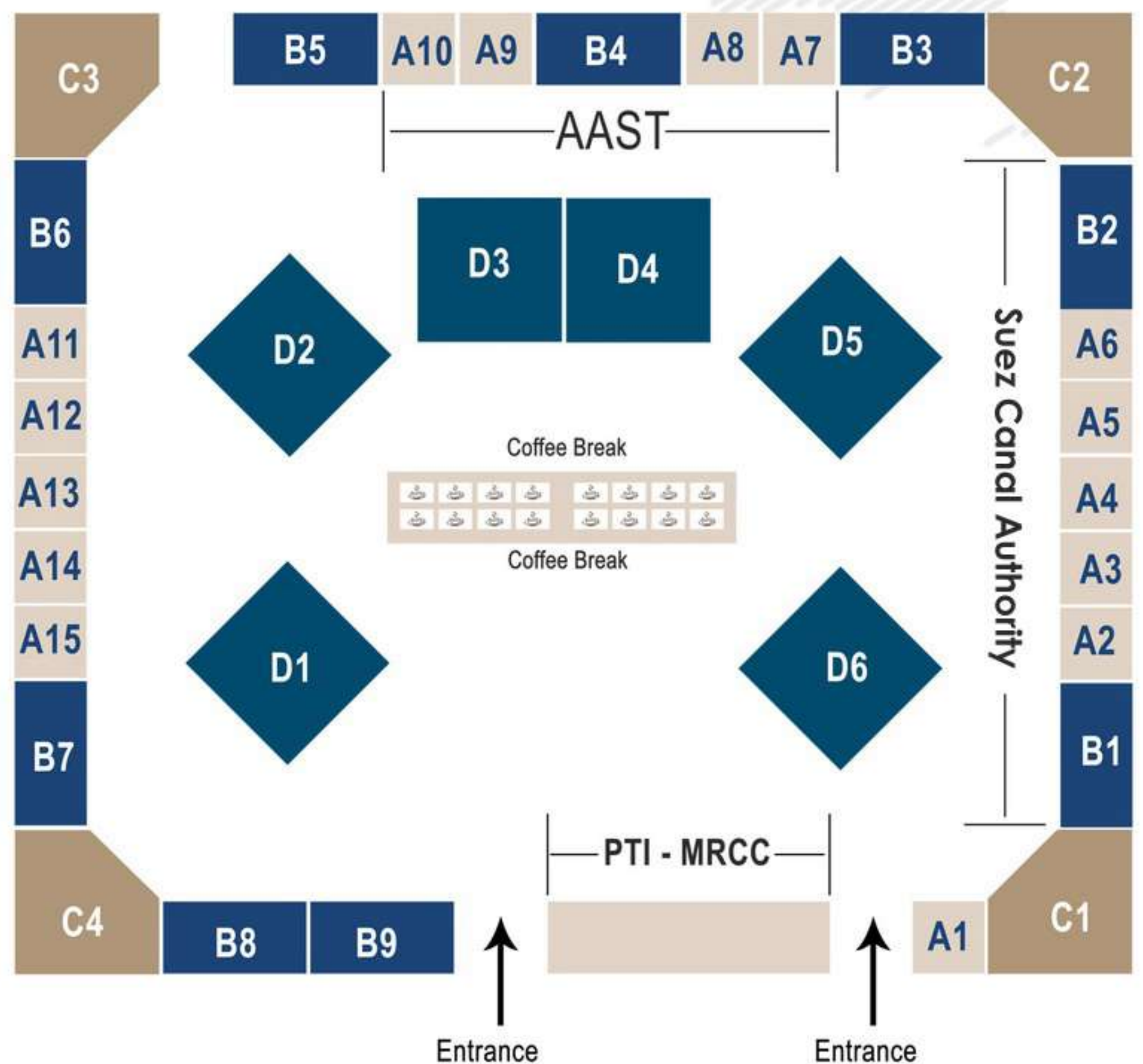
The "International Maritime Expo (IME) 2021, targets local, regional and international companies working in Maritime Transport and Logistics. The exhibition is considered one of the largest specialized exhibitions in Egypt, Arab Region and Africa. The Exhibition enables the opportunity for showing the state of the art technology developments in the field of maritime transport and logistics

Exhibition profiles:

- Cargo Handling Equipment.
- Ship building Industry.
- Marine Technology.
- Dredging Technology.
- Ports and Ships Security Equipment.
- Navigational and Safety Equipment.
- Ports and Ships Services.
- Banks and Financial Services.
- Maritime Insurance Services.
- Port Simulation.
- Information and Communications Technology in Ports.
- Port Operation Equipment.
- IT Applications in Ports.



Exhibition Layout :



Conference Booklet Advertisement Prices :



| Number of pages | EGP Price (Egyptians) | US \$ Price (non-Egyptians) |
|-----------------|--------------------------|--------------------------------|
| Half Page | 4000 EGP | 350 US\$ |
| Full Page | 5000 EGP | 500 US\$ |
| Two Pages | 6000 EGP | 750 US\$ |

Sponsorship Program:



| Platinum Sponsor | Diamond Sponsor | Golden Sponsor | Silver Sponsor |
|------------------|-----------------|----------------|----------------|
| 10000 US\$ | 7500 US\$ | 2000 US\$ | 1500 US\$ |

| Sponsorship Qualities | Platinum Sponsor | Diamond Sponsor | Golden Sponsor | Silver Sponsor |
|--|------------------|-----------------|----------------|----------------|
| A chance of presenting a case study within the realm covered by the conference through one of its sessions. | ✓ | | | |
| The sponsor shall have a distinguished position in the press conference, which will inaugurate that important conference and shall be announced in the newspapers. | ✓ | ✓ | | |
| Contribution of the sponsor will be announced in the press conference. | ✓ | ✓ | | |
| Exclusive catering. | ✓ | ✓ | | |
| Putting an advertising hanger for the sponsor in the conference hall and exhibition. | 6 | 4 | 2 | |

Sponsorship Program:



| Sponsorship Qualities | Platinum Sponsor | Diamond Sponsor | Golden Sponsor | Silver Sponsor |
|--|------------------|-----------------|----------------|----------------|
| Advertising in the Conference printed materials. | 2 Pages | 1 Page | 1/2 Page | |
| The sponsor entertains the privilege of using the conference logo to promote his productions. | 6 months | 4 months | 2 months | |
| The sponsoring company will get bags and free invitations for the conference. | 10 | 7 | 3 | 1 |
| A discount on pavilions when wishing to take part in the accompanying exhibition of the conference, while showing your logo inside the exhibition's hall. | 100% | 50% | 25% | 15% |
| Honoring, under the auspices of his excellency the Secretary General of the League of Arab States, and his excellency Minister of Transport in the opening ceremony. | ✓ | ✓ | ✓ | ✓ |
| Showing the sponsor's logo and his name on all publications and advertisements of the conference and the website. The size of the logo, the sponsor's name, his media and advertising contribution shall conform to the type of sponsorship and its relative size. | ✓ | ✓ | ✓ | ✓ |
| The sponsor's logo will be stamped on the back of the participants and organizers' IDs, and the size of the logo conforms to the type of sponsorship. | ✓ | ✓ | ✓ | ✓ |
| Distributing the sponsor's publications inside the participants' bags and at the reception area in the conference's location. | ✓ | ✓ | ✓ | ✓ |
| Special thanks to your company in the exhibition's catalogue, and a final visual report on the conference. | ✓ | ✓ | ✓ | ✓ |

1 Delegates Bags Sponsor : (1250 \$)

- 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.
- Sponsor logo added to all name tags.

2 Refreshment Breaks and Drinks Sponsor: (1000 \$)

- 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.
- Sponsor logo added to all name tags.



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.



Publications:

Marlog Conference Proceedings

ISBN: 987-977-85808-3-9

Marlog Conference Materials

Printed Versions: P-ISSN: 2682-3764.
Electronic Versions: E-ISSN: 2682-3756



International Journals:

A special issue will be published for some selected papers submitted to the conference in the following journals:

- International Journal of Applied Logistics (IJAL)
- International Journal of Operations Research and Information Systems (IJORIS)





Bank Transfer Data:

- Cash
- Check Payable to Port Training Institute.
- Bank Transfer.



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Account Name : Port Training Institute

Account Number : EGP-Current A/C# 109-20900683386-94

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SWIFT ID : USD-Current A/C# 109-20310729786-58

IBAN(USD) : EG520037010908402031072978658

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