



The International Maritime Transport & Logistics Conference

MARLOG 10

Digitalization in Ports & Maritime Industry

Program

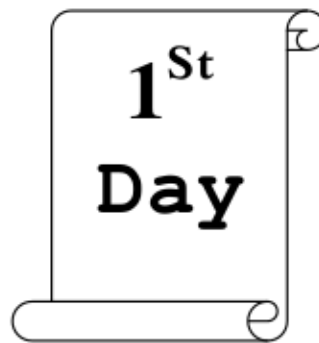
13 – 15 June 2021



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Digitalization in Ports & Maritime Industry



Sunday, 13th June 2021



Session 1

"Digital Transformation in Port Services"

- 12:00** Digitalization of Ports: The Role of Infrastructure
Mr. Francisco Esteban Lefler
President, World Association For Waterborne Transport Infrastructure (PIANC),
Brussels, Belgium
- 12:20** Mediterranean Ports at the Heart of Digital Transformation
Dr. Philippe Guillaumet
Secretary General of the Medports Association, France
- 12:40** A Systematic Literature of the Maritime Transport Industry 4.00 Applications
Dr. Khaled El Sakty and Dr. Mona Awad
Dean, College of International Transport and Logistics, Cairo, AASTMT, Egypt.
- 13:00** Linking Digitalization to Sustainable Development: the Case of the Port of Gothenburg
Dr. Anastasia Christodoulou, Dr. Dimitrios Dalaklis, Dr. Aykut Ölcer and Dr. Fabio Ballini
Research Associate, World Maritime University in Malmö, Sweden
- 13:20** **Session Discussion**
- 13:30** **Break**



Session 2

"Digitalization of supply chain: Implications for future"

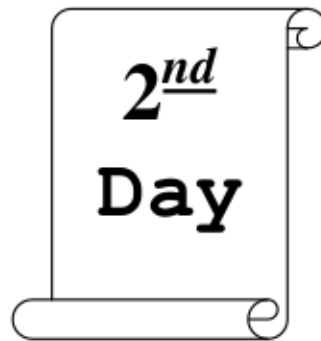
- 13:40** Smart Port of the Future – Digital transformation of the port community'
Mr. Nico Suys
Head, Business Development For Port of Antwerp International for the Region North Africa, Antwerp, Belgium.
- 14:00** Digitalization: The Future of Maritime
Dr. Mohamed Mahmoud
President Assistant for Technology Development,
Arab Academy for Science, Technology and Maritime Transport, Egypt
- 14:40** New Maritime Scenarios in the Mediterranean through the Use of Geo-maps
Mr. Alessandro Panaro
Head of Maritime Department
Italian Research Center for Economic Studies (SRM), Italy
- 15:00** The Concept, Statue Quo and Prospects of Shipping Digital Transformation
Dr. Xu Kai
Chief Information Officer, PhD, Senior Engineer, Master's Supervisor,
Shanghai International Shipping Institute (SISI), China.
- 15:20** **Session Discussion**
- 15:30** **Lunch**



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Monday, 14th June 2021



Session 3

"Artificial Intelligence and Blockchain Technology Applications in Ports"

- 09:00** Artificial Intelligence for Supporting Maritime Terminal Management, Safety and Security
Prof. Roberto Revetria
Head, Student Orientation Committee, University of Genoa, Italy
- 09:20** Digital Twins and their Applications in Ports
Eng. Marco Politi
Vice President of Sales, DBA GROUP, Italy.
- 09:40** Block Chain Technology Application at Container Transportation Industry
Mrs. Afra Guo
Deputy General Manager of the Business Process and System at COSCO SHIPPING Lines, China.
- 10:00** Blockchain adoption from the Shipping industry
Dr. George Vaggelas, Dr. George Kapnissis, Dr. Apostolis Panos, Dr. Helen Leligou and Dr. Maria Doumi
Partner at "Ports and Shipping Advisory"
Associate Professor, Department of Shipping, Trade & Transport, University of the Aegean, Greece
- 10:20** **Session Discussion**
- 10:40** **Break**



Session 4

"Smart Ports Entrepreneurial Ecosystem Development"

- 11:00** Digitalization Tools towards a Zero net Emissions Port: Green C Ports and Valenciaport
Mr. Raul Cascajo Jimenez
Head, Environmental Policies, Port Authority Of Valencia, Spain.
- 11:40** Towards Smarter, Cleaner and More Energy Efficient Ports through Digitalization and Automation
Eng. Francesc Carbonell
Head of Sector, Transport And Urban Development, Union For The Mediterranean, Spain
- 12:00** A Proposed Framework for a Port-Area Vessel Speed Reduction System (VSR)
Mohamed Rowihil
Head of Maritime Cooperation Unit, Agreements & International Cooperation Center, AASTMT, Egypt.
- 12:40** **Session Discussion**
- 12:50** **Tea Break**



Session 5

"The Role of Digital Transformation in Container Terminal Development"

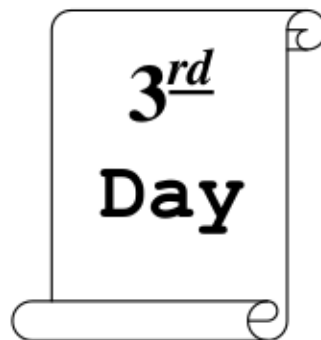
- 13:20** The Development of Smart Ports in China
Dr. Luo Bencheng
Senior Researcher and Chief Engineer,
Logistics Research Center of China Waterborne Transport Research Institute, China
- 13:40** The impact of applying Smart Ports Requirements on the Competitiveness of Aden Container Terminal
Mohamed Elhussiny, Mohamed Amzarba and Dr. Ahmed Ismail
Lecturer, Nautical Basic Studies Department, College of Maritime Transport & Technology,
Arab Academy for Science, Technology & Maritime Transport, Egypt
- 14:20** A Simulation model for analyzing and optimizing container-terminal operations
Mr. Mohamed Faragalla
Computer operator, Port Said Container & Cargo Handling Co. (PSCCHC), Port Said, Egypt
- 14:00** Container Market Concentration in the Era of Digitalization: Evidence from North African Sea Ports
Dr. Ahmed Ismail, Capt. Abdulla Wanis and Arbia Hlali
PhD Candidate, Arab Academy for Science, Technology & Maritime Transport, Libya
- 15:00** **Session Discussion**
15:10 **Lunch**



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Tuesday, 15 June 2021



Session 6

"Cybersecurity Risk Management in Maritime and Logistics Industry"

- 09:00** Securely Enabling Maritime Digital Transformation
Mr. Patrick Grillo
Senior Director, Solutions Marketing, Fortinet, USA
- 09:20** Role of Digitalization and Internet of Things (IoT) in Fostering Ports Security
Dr. Mohamed Abdelfattah and Capt. Ahmed Ibrahim
Head of Quality Assurance Unit at Regional Maritime Security Institute,
Arab Academy for Science, Technology and Maritime Transport, Alexandria, Egypt
- 09:40**
- 10:00** Innovative Navigation Role of ECDIS in Decision Support System
Ahmed Khalil Barghash, Saleh Mesbah and Nafea Shaban
Senior Marine lecturer, Integrated Simulator Complex,
Arab Academy for Science, Technology and Maritime Transport, Alexandria, Egypt
- 10:20** **Session Discussion**
- 10:30** **Break**



Session 7

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

- 11:00** Smart Port Research and Personnel Training Platform Construction
Dr. Qingcheng Zeng
Professor in school of Maritime Economics and Management of Dalian Maritime University, China
- 11:20** Digitalization & Implementation in Maritime Training
Captain Tim Lodder
Entrepreneur in Modern Learning Solutions, Founder & CEO Blue Orange Wave, Netherlands
- 11:40**
- 12:00** **Session Discussion**
- 12:10** **Tea Break**



Session 8

Digital Tools to Increase Efficiency in Ships' and Ports' Operations

- 12:30** Digital Method for Refloating a Ship Stranding during Transit Suez Canal Using Its Own Means
Eng. Abd Elfattah Swidan, Eng. Mohamed Walid Refae, and Prof. Mohamed Kotb
Salvage Engineer, Egyptian Navy, Alexandria, Egypt
- 12:50** Emerging Technologies in East Port-Said Megaproject
Capt. Mamdouh Awad
Marine Lecturer in the Sea Training Institute (STI),
Arab Academy for Science, Technology and Maritime Transport (AASTMT) – Alexandria, Egypt
- 13:10**
- 13:30** **Session Discussion**
- 13:40** **Break**



Closing Session

Chairman

Prof. Ismail Abdel-Ghafar Ismail Farag

Conference Chairman

- 13:50 Keynote Speech:**
Prof. Ismail Abdel-Ghafar Ismail Farag
- 14:00 Proposed Recommendations**
- 14:20 Recognition of Speakers, Keynote Speakers and Sessions' Chairmen**
- 14:40 Lunch Invitation by**
H.E Prof. Ismail Abdel-Ghafar Ismail Farag
President, AASTMT