



The International Maritime Transport & Logistics Conference

MARLOG 9

Impacts of the Fourth Industrial Revolution on Port-City Integration

“World Port Sustainability Program Aspects”

Program

10 – 12 October 2020



Day 1

10 October 2020

Opening Session

13:00 Opening Address

- ✦ **Prof. Akram Soliman Elselmy**
Head, Conference Organizing Committee
- ✦ **Prof. Ismail Abdel-Ghafar Ismail Farag**
Conference Chairman
- ✦ **Dr. Dina Al-Dhaher**
Director of the Transportation and Tourism Sector, the League of Arab States.
- ✦ **H. E. Major-General. Mohamed Taher Elsherief**
Governor of Alexandria.
- ✦ **H. E. Admiral Osama Mounier Mohamed Rabie**
Chairman and Managing Director, Suez Canal Authority.
- ✦ **H.E. Lieutenant General Kamel El-Wazir**
Minister of Transport, Egypt.

- **Future of the MET in the Shed of the 4th Industrial Revolution and Modern Technology**
Dr. Cleopatra Doumbia-Henry.
14:00 President, World Maritime University “WMU”, Malmo, Sweden.
- **The Challenge for the Port-Cities 2030 – A View from PIANC**
Mr. Francisco Esteban Lefler
14:10 President, World Association for Waterborne Transport Infrastructure (PIANC), Brussels, Belgium.
- **The World Ports Sustainability Program; Initiatives on Port-City Integration and Sustainability**
Dr. Antonis Michail
14:30 Technical Director, World Ports Sustainability Program (WPSP)
International Association of Ports and Harbors, Belgium
- **Opening of the Exhibition “IME 2020”**
14:50
- **Recognition of Instrumental Figures**
15:00
- **Lunch**
15:15



Day 2

11 October 2020

Session 1

The Role of 4IR & Digital Transition in Improving Ports and Logistics services

Chairman

Prof. Yousry El Gamal

Former Minister of Education

Former Chairman, Board of Trustee,

Egypt-Japan University of Science and Technology, Egypt

- 09:00** **Trends of Smart Ports Technology Companies: An Online Presence Perspective**
Ms. Ramona A. Neghină, Dr. Valentin A. Mănescu, Dr. Gheorghe Militaru, and Prof. Dana C. Deselnicu.
Project Manager, Webcome For Online Business Solutions, Romania.
- 09:20** **Smart Ports and Digital Platforms in the New Port Logistics**
Mr. Miguel Llop,
Director of Digital Transformation, Valencia Port Foundation, Spain.
- 09:40** **Demonstrating the Cyber Vulnerabilities of Significant Maritime Technologies to The Port Facilities and on Board of Vessels**
Mr. Karem Mohamed Abo Eldahab
The Graduate School of Business (GSB),
The Arab Academy for Science, Technology and Maritime Transport, Cairo, Egypt.
- 10:00** **Session Discussion**
- 10:10** **Break (Virtual Exhibition)**



Session 2

Port City Sustainable Development (Management and Operation) the Trend, the Future

Chairman

Dr. Elsenousy Balbaa

Vice President for African & Asian Affairs,
Arab Academy for Science, Technology & Maritime Transport

**10:40 Technological Boost for Efficient Port Terminal Operations Following Safety Related Events:
A Case Study**

Prof. Roberto Reviteria

Professor of Mechanical and Industrial Engineering, University of Genoa, Italy.

**11:00 Evaluating the Competitiveness of North African Container Ports:
An Empirical Study on the Egyptian and Libyan Container Ports Using FAHP**

Dr. Ahmed Ismail, Dr. Mohi Eldin Elsayeh, and Cap. Abdulla Wanis

PhD Candidate, Arab Academy for Science, Technology & Maritime Transport, Libya.

11:20 The Changing Port Labour Environment in the Era of Port Automation and Digitalization

Dr. George K. Vaggelas

Partner at “Ports and Shipping Advisory”

Associate Professor, Department of Shipping, Trade & Transport, University of the Aegean, Greece.

11:40 Session Discussion

11:50 Break (Virtual Exhibition)



Session 3

Impact of Port-City Integration on Port Competitiveness (Case Studies – Success Stories)

Chairman

Dr. Mohammed Daoud
Vice President for Maritime Affairs, AASTMT

- 12:20 Port-City Integration Towards Sustainable Port-City Ecosystem Considering Industrial Revolution 4.0:
A Case Study of Iskandar Malaysia**
Dr. Mohammadehsan Torabizadeh, Mr. Mohd Zarir Yussof, Capt. Razali Yaacob, and Dr. Tomingan Kamaron
Lecturer, School of Port, Logistics and Management, Netherlands Maritime University College, Malaysia.
- 12:40 The Impact of Mega Expansion Projects on Damietta Container Terminal Competitiveness in The East
Mediterranean Region**
Dr. Ahmed E. Kamel
Doctoral of Business Administration, Ain Shams University
Head of Research and Marketing, Damietta Container Handlin Co., Damietta, Egypt.
- 13:00 Talent Management in Industrial Revolution 4.0 Era: A Case of Port of Tanjung Pelepas, Johor, Malaysia**
Dr. Tomingan Kamaron, Capt. Razali Yaacob and Dr. Mohammadehsan Torabizadeh
Head of Academic, School of Port, Logistics and Management, Netherlands Maritime University College, Malaysia.
- 13:20 Session Discussion**
- 13:30 Break (Virtual Exhibition)**



Session 4

Requalification of Human Recourses Capabilities A Pivotal Road to Port-City Integration

Chairman

Dr. Gamal Ghalwash

Vice President for Training and Community Service, AASTMT

- 13:50 Global Maritime Professional – Body of Knowledge (GMP – BOK)**
Capt. Mahmoud Elbawab
Vice Dean, Maritime Postgraduate Studies Institute, AASTMT.
- 14:10 RE-Engineering Arab World (RAW) - A study for Promoting Maritime Engineering in Schools**
Dr. Ahmed Abdelwahab Swidan, Cameron Harper, Simon Von Limont, and Warren Smith
Associate Professor, Maritime College, AASTMT.
- 14:30 Improving The Human Resource In Maritime Industry**
Eng. Mirona Ana Maria Popescu, Dr. Mihai Popescu, Traian Popescu, Prof. Dana Deselnicu, and Dr. Petronela Cristina Simion
Department of Entrepreneurship and Management, University POLITEHNICA of Bucharest, Bucharest, Romania.
- 14:50 Session Discussion**
- 15:00 End of Day 2**



Day 3

12 October 2020

Session 5

"Future Environmental Trends towards Sustainable Business in Ports"

Chairman

Dr. Philippe Guillaumet

General Secretary, MEDports Association

International and European Projects Manager, Port of Marseille-Fos Authority France.

- 09:00 Green Logistics The Concept Of Zero Emissions Ports Energy Management, Malaysia**
Capt. Razali Yaacob, Dr. Nikitas Nikitako, Mr. Dimitrios Papachristos, and Mr. Ioannis Dagkinis
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.
- 09:20 An Overview of the Competencies in Logistics Sector in Slovenia**
Dr. Sonja Mlaker Kač, Prof. Maja Fošner and Dr. Mateja Čuček
Assistant Professor, Faculty of Logistics, University of Maribor, Slovenia.
- 09:40 A Review of Energy Efficiency Implementation Barriers in the Maritime Shipping Sector**
Eng. Mohamed Elsayed Elbawab and Capt. Fawzy F. Dekinesh
Chief Engineer, Sea Training Institute, AASTMT.
- 10:00 Session Discussion**
- 10:10 Break (Virtual Exhibition)**



Session 6

Modern Innovations for Enhancing Port Community Efficiency

Chairman

Dr. Babak Banijamali

Vice-Chairman of Maritime Navigation Commission (MarCom) of PIANC

- 10:40** **Towards measurement of Situation Awareness in Virtual Reality Simulator**
Sunniva Veie and 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, 3184 Borre, Norway.
- 11:00** **Unleash the Power of Together**
Mr. Geert De Wilde
CEO, NXtPort, Belgium.
- 11:20** **An Overview of the Port Community System from Romania**
Eng. Andreea Barbu, Prof. Gheorghe Militaru and Assoc. Prof. Dana Corina Deselnicu
Assistant Professor, University POLITEHNICA of Bucharest, Romania.
- 11:40** **Benefits and Opportunities of Simulators for Port Training**
Dr. Gianfranco Fancello, Dr. Serra Patrizia, and Dr. Fadda Paolo
Professor at the Department of Civil and Environmental Engineering and Architecture,
Transportation sector, University of Cagliari, Italy.
General Manager, Centre of Excellence for Transport of the Sardinia region, Italy.
- 12:00** **Session Discussion**
12:10 **Break (Virtual Exhibition)**



Session 7

"Smart Solutions towards Sustainable Maritime Infrastructure"

Dr. Gianfranco Fancello

Professor at the Department of Civil and Environmental Engineering and Architecture,
Transportation sector, University of Cagliari, Italy
General Manager, Centre of Excellence for Transport of the Sardinia region, Italy

- 12:40 The Potential Of Additive Manufacturing to Transform the Way Spare Parts Reach the Vessels at the Ports**
Dr. Nikitas Nikitakos, Razali Yaacob, and Evanthia Kostidi
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.
- 13:00 Shared ICT Solutions for Ports the Experience of the EASYLOG Project**
Dr. Patrizia Serra, Fancello Gianfranco, Zoratti Andrea, and Bozzo Riccardo
Assistant Professor, Department of Civil and Environmental Engineering and Architecture,
Transportation sector, University of Cagliari, Italy.
- 13:20 Physical and Technological Infrastructure and its Role in the Sustainability of Marine Ports**
Dr. Mohamed Ali Abdelwahed
Procurement Manager at SCZone, PhD researcher, Ain Shams University, Egypt.
- 13:40 Session Discussion**
- 13:50 Break (Virtual Exhibition)**



Closing Session

Chairman

Prof. Ismail Abd El-Ghafar Ismail Farag

**President, AASTMT
Conference Chairman**

- 14:20 Keynote Speech:**
Prof. Ismail Abd El-Ghafar Ismail Farag
- 14:40 Proposed Recommendations**
Prof. Ehab Mahmoud El Kassas
Vice Conference Chairman