



The International Maritime Transport & Logistics Conference

MARLOG 9

Impacts of the Fourth Industrial Revolution on Port-City Integration

“World Port Sustainability Program Aspects”

Program

29 – 31 March 2020

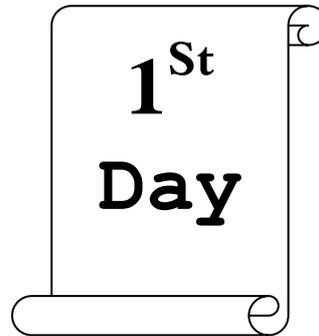


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Sunday, 29th March 2020



08:00 Registration

Opening Session

09:00 Opening Address

- 10:00** ➤ Recognition of Instrumental Figures.
- 10:30** ➤ Signing numbers of memorandum of understanding between Arab Academy for Science, Technology and Maritime Transport and International Organizations.
- 11:00** ➤ Opening of the Exhibition of Marine Equipment & Services.
- 12:00** ➤ Tea Break



Session 1

- 12:30** Dynamic Factors and ARIMAX modelling:
A comparative study for the case of Forecasting in Ports
Prof. Tomaž Kramberger, Abolfazl Keshavarzsalehb, Marko Intihard and Dejan Dragana
Vice Dean for Scientific Research, Faculty of Logistics, University of Maribor, Slovenia.
- 12:50** Fourth Industrial Revolution and Seaports Impact on Economic Growth (MENA REGION)
Dr. Rasha Fouad
Department of Foreign Trade, College of International Transport and Logistics,
Arab Academy for Science, Technology and Maritime Transport, Cairo, Egypt.
- 13:10** Cisco for System Solutions
- 13:30** **Session Discussion**
- 13:50** **Break**

Session 2

- 14:10** The Challenge for The Port-Cities 2030 – A View from PIANC
Mr. Francisco Esteban Lefler
President, the World Association for Waterborne Transport Infrastructure (PIANC), Brussels, Belgium.
- 14:30** Unleash the power of together!
Dr. Siegfried Segers
Community Builder, Product Owner Containers at NXTPORT, Belgium.
- 14:50** **Session Discussion**
- 15:10** **Lunch**

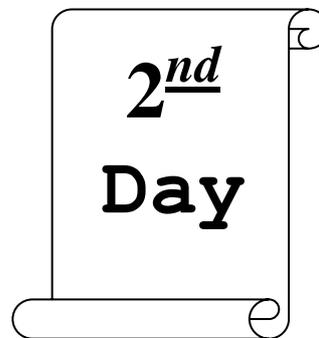


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Monday, 30th March 2020



Session 3

- 09:00** 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.
- 09:20** The Potential Of Additive Manufacturing to Transform the Way Spare Parts Reach the Vessels At The Ports
Nikitas Nikitakos, Razali Yaacob, and Evanthia Kostidi
Department of Shipping Trade and Transport, University of the Aegean, Chios, Greece,
School of Port, Logistics and Management, Netherlands Maritime Institute of Technology (NMIT), Malaysia.
- 09:40** A Review of Energy Efficiency Implementation Barriers in the Maritime Shipping Sector
Dr. Mohamed Elsayed Elbawab, and Mr. Fawzy F. Dekinesh
Lecturer, Engineering Department Sea Training Institute, AASTMT.
- 10:00** **Session Discussion**
- 10:20** **Tea Break**

Session 4

- 10:40** 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.
- 11:00** 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, AASTMT.
- 11:20** **Session Discussion**
- 11:40** **Break**



Session 5

- 12:00** 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, the Netherlands Maritime Institute of Technology (NMIT) Iskandar, Malaysia.
- 12:20** 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 at Damietta Container Handling Co, Damietta, Egypt.
- 12:40** 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
School of Port, Logistics and Management,
Netherlands Maritime Institute of Technology (NMIT), Malaysia.
- 13:00** 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, Cap. Abdulla Wanis
PhD Candidate, Arab Academy for Science, Technology & Maritime Transport, Libya.
- 13:20** **Session Discussion**
- 13:40** **Lunch**

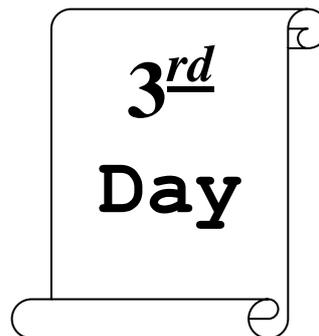


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Tuesday, 31 March 2020



Session 6

- 09:00** Impacts of the fourth industrial revolution on port - city integration
Adm. Mahmoud Hatem AEI-Kady
Chairman, the Arab Federation of Chambers of Shipping, Egypt
- 09:20** Virtual Reality – Case from AASTMT
Dr. Mohammed Mahmoud
President Assistant for Technology Development, AASTMT.
- 09:40** Towards Measurement of Situation Awareness in Virtual Reality Simulator
Ms. Sunniva Veie and Dr. Salman Nazir
Training and Assessment Research Group (TARG) Leader, Department of Maritime Operations,
Faculty of Technology, Natural Sciences and Maritime Sciences,
University of South-eastern Norway, Norway
- 10:00** **Session Discussion**
- 10:20** **Break**



Session 7

- 10:40** Security Challenges in Shipboard Cyber Physical Systems
Dr. Boris Svilicic
Full Professor, Faculty of Maritime Studies, University of Rijeka, Croatia.
- 11:00** 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.
- 11:20** 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.
- 11:40** Reviewing Paradoxical Dimensions of Supply Chain Integration and Sustainability in The Port Industry
Dr. Khaled Hussein Nasreldin and Dr. Dong-Wook Song
Lecturer Assistant, Supply Chain Management Department, AASTMT.
PHD Candidate, World Maritime University, Malmö, Sweden.
- 12:00** **Session Discussion**
12:20 **Tea Break**



Session 8

12:40 Resilience and adaptation to climate change impacts for ports and maritime transport: An overview

Eng. Francesc Carbonell

Head of Sector, Transport and Urban Development, Union for the Mediterranean, Spain.

13:00 The Use of Prescriptive Analytics in Port Operations

Dr. Nicoleta Tipi

Huddersfield Business School, Department of Logistics, Marketing, Hospitality and Analytics,
The University of Huddersfield, Huddersfield, UK.

13:20 An Overview of the Port Community System from Romania

Eng. Andreea Barb, Dr. Gheorghe Militaru and Prof. Dana Corina Deselnicu

Assistant Professor, University POLITEHNICA of Bucharest, Romania.

13:40 **Session Discussion**

14:00 **Break**



Closing Session

Chairman

Prof. Ismail Abd El-Ghafar Ismail Farag

**President, AASTMT
Conference Chairman**

- 14:00 Keynote Speech:**
Prof. Ismail Abd El-Ghafar Ismail Farag
- 14:15 Proposed Recommendations**
Prof. Ehab Mahmoud El Kassas
Vice Conference Chairman
Dean, MRCC
- 14:30 Recognition of Speakers and Sessions' Chairmen**
- 15:00 Lunch Invitation by**
H.E Prof. Ismail Abdel Ghafar Ismail Farag
President