



**Arab Academy**  
for Science, Technology & Maritime Transport



**The International Maritime Transport & Logistics Conference**

# **MARLOG 15**

**Smart & Resilient Logistics Corridors:  
Future Gateway to the Green Trade**

# **Program**

**08 – 10 February 2026**

**Sunday, 8<sup>th</sup> February 2026**



**Translation Available**

**08:00 Registration**

# Opening Session

**10:00 – 10:05** Conference Opening  
Opening Film

**10:05 – 10:50** Opening Addresses

**10:50 – 11:50** Inauguration of the International Maritime Technological Exhibition (MarTech 2026)

**11:50 – 12:15** Break

**12:30 – 13:30** **High-Level Panel Discussion**  
Session Chair: H.E. Prof. Ismail Abdel Ghafar Ismail Farag  
President of AASTMT and Conference President

**13:30 - 13:45** Signing of Agreements

**13:45 – 14:00** Break



Translation Available

# Session 1

## Decarbonizing Global Trade: The Future of Green Blue Logistics Corridors

### Session Chair

**Prof. Maria Boile**

**Director, Quantitative Analysis in Shipping Laboratory,  
Department of Maritime Studies, University of Piraeus, Greece**

- 14:00 **Decarbonization Pathways for Maritime Transport in the Mediterranean: The GreenMed MSSO Approach.**  
**Mr. Aurelio Lázaro Chueca**  
Senior Project Manager in Energy Transition, Valencia Port Foundation, Valencia, Spain.
- 14:15 **Integrating Climate Resilience and Circular Economy Principles in Developing Green-Blue Logistic Corridors for a Zero-Emission Future**  
**Prof Chithirai Pon Selvan,** Dr. Ajita Nayar, Dr. Mahesh Raj Nagaraja and Dr. Mohammed Sahal  
Director of Research, Head of School, Science and Engineering,  
Curtin University Dubai, United Arab Emirates.
- 14:30 **Port Strategy in Terms of Development in Green Maritime Corridors - the Case of the Port of Marseille-Fos**  
**Mrs. LOUIS Amal**  
Head of Business development, Port of Marseille-Fos Authority, France.
- 
- 14:45 **Next Generation of Ports: Smart and Green**  
**Mr. Patrick Xu**  
Director of Overseas Markets, NIZE Intelligent Technology Co., Ltd., China.
- 15:00 **Session Discussion**
- 15:15 **Break**



Translation Available

# Session 2

## Smart and Green Corridors: Navigating the Era of AI and Sustainable Transport

### Session Chair

**Mrs. LOUIS Amal**

**Head of Business development, Port of Marseille-Fos Authority, France**

- 15:30 | **Development of the 'Inland Shipping Mileage Index' using AIS Data for Hinterland Transport Monitoring**  
**Eng. Philipp Parche**  
German Federal Waterways Engineering and Research Institute, Germany.
- 15:45 | **Decarbonizing Freight Transport: Economic Assessment of Direct Seawater Electrolysis for Maritime Hydrogen Production**  
**Mrs. Friederike Fontes**, Dr. Berit Böttger and Dr. Nils Meyer-Larsen  
Research Associate and Project Manager, Institute of Shipping Economics and Logistics (ISL), Germany.
- 16:00 | **From Corridors to Gateways: Enabling Green Trade Through Strategic Ports**  
**Ms. Kirsten Raeymaekers**  
Manager, Port Projects and Regional Coordinator for the MENA region, Antwerp/Flanders Port Training Center, Antwerp, Belgium.
- 16:15 | **Session Discussion**
- 16:30 | **Networking Lunch**



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**Smart & Resilient Logistics Corridors:  
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# Program

**Monday, 9th February 2026**



Translation Available

# Session 3 A

## AI-Driven Predictive Analytics for Enhancing Supply Chain Resilience

### Session Chair

**Dr. Fernando Perez**

General Director, SEA-EU Alliance, University of Cadiz, Spain

- 09:00** | **AI and Digital Twin in Simulation Based Problem Solving: Challenges, Perspectives and Research Agenda**  
Dr. Anastasiia Rozhok and Prof. Roberto Revetria  
University of Genoa, Italy.
- 09:15** | **Wave Height Prediction with Gradient Boosting: Case Study in Jamaica Bay, New York**  
Prof. Hoda El Safty and Dr. Michael Ibrahim  
Irrigation and Hydraulics Department, Faculty of Engineering, Cairo University, Egypt.
- 09:30** | **Investigating the Impact of Artificial Intelligence on Environmental Supply Chain Performance Through the Lens of Supply Chain Resilience**  
Dr. Ashrakat Osama  
Assistant Lecturer, College of International Transport and Logistics, Smart Village  
Arab Academy for Science, Technology, and Maritime Transport, Egypt.
- 09:45** | **Enhancing Port Cyber Resilience Through Cyber Physical Security Assessment**  
Dr. Iosif Progoulakis, Prof. Nikitas Nikitakos, Dr. Theodoros Lilas and Dr. Ioannis K. Dagkinis  
Professor of Shipping Informatics and New Technologies,  
Department of Shipping Trade and Transport, University of the Aegean, Greece  
Visiting professor, World Maritime University, Sweden.
- 10:00** | **Session Discussion**
- 10:30** | **Coffee Break**



# Session 3 B

## Digital Transformation and AI in Optimizing Logistics and Operational Performance

### Session Chair

**Prof. Alaa Mahmoud Morsy**

**Dean, Port Training Institute, and Maritime Research & Consultation Center  
AASTMT**

- 09:00** | **The Role of Empathy and Perceived Usefulness in Shaping Emotional Engagement and Digital Trust in Chatbot Customer Service Within E-Commerce**  
**Ms. Alaa EL Sayed Saleh**, Prof. Khaled ElSakaty  
Transport logistics management department, College of International Transport and Logistics, Arab Academy for Science, Technology and Maritime Transport, Giza, Egypt.
- 09:15** | **Hull-Climbing Robot for Corrosion Inspection**  
**Eng. Shehab Mostafa**, Eng. Adham Yasser, Dr. Ahmed M. Shama, Dr. Tamer A. Abdelmigid and Eng. Mohamed Elnegouly  
Marine Engineer, M.Sc. student, Marine Engineering Department, Arab Academy for Science, Technology & Maritime Transport, Alexandria, Egypt.
- 09:30** | **Bridging Cultural Barriers in Global Supply Chain Collaboration: A Systematic Review of Mechanisms, Mediators, and Performance Outcomes**  
**Mr. Karim Hossam**, Dr. Muhammad Arfeen, Dr. Amira Ismail and Dr. Yousif Abdel Haseeb  
Assistant Teacher, College of International Transport and Logistics, Arab Academy for Science, Technology and Maritime Transport.
- 09:45** | **Enhancing Port Yard Infrastructure Using Geocell Technology: A Sustainable Approach for Heavy-Duty Ground Reinforcement**  
Dr. Ahmed M. Ebid, Dr. Ashraf Sabry, **Dr. Laila A. Elkadi**, Dr. Karim Sherif Mostafa, Dr. Norbaya Sidek, Dr. Mohamed A. Hafez  
Geotechnical Engineer, Faculty of Engineering and Quantity Surveying, Nilai University, Malaysia.
- 10:00** | **The Relationship Between Emerging Technologies, Logistics Efficiency and Sustainability**  
**Ms. Farida Khaled**, Dr. Sayed El Khouly and Dr. Engy Yehia  
Teaching Assistant at College of International Transport and Logistics (Smart Village Campus), Arab Academy for Science Technology and Maritime Transport, Egypt.
- 10:15** | **Session Discussion**
- 10:30** | **Break**



Translation Available

# Session 4 A

## Logistic Corridors Resilience and Optimization

### Session Chair

**Dr. Babak Banijamali**

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

**PIANC, Belgium**

- 10:45** **Building Resilient Maritime and Logistics Corridors in Today's Agitated Waters.**  
**Mr. Jordi Torrent**  
Strategy Director, Port of Barcelona, Secretary General of MEDPorts Association, Spain.
- 11:00** **Sailing Toward Sustainability: Innovating, Investing, and Strengthening Global Green Blue Logistic Corridors"**  
**Eng. Francesc Carbonell**  
Head, Sector for Transport & Urban Development, Union for the Mediterranean, Spain.
- 11:15** **From Corridors to Ecosystems: Shaping a Smart, Resilient and Green Waterborne Sector**  
**Prof. Maria Boile**, Dr. Sotiris Theofanis and Mr. Anastasios Ziakas  
Director, Quantitative Analysis in Shipping Laboratory, Department of Maritime Studies, University of Piraeus, Greece.
- 11:30** **Understanding the Digital Transition Risks for Critical Energy Infrastructure in Maritime Ports: Evidence from the UK and Africa.**  
**Dr Emmanuel Daniel**  
Associate Professor, Sustainable Construction Management,  
Deputy Research Group Leader for Digital Construction,  
Faculty of Science and Engineering, University of Wolverhampton, UK.
- 11:45** **Bridging The Digital Divide: The AODR Framework for Workforce Capacity Building in Airport Operations for Smart Green Logistics Corridors**  
**Mr. Mohamed Ahmed Genina**, Prof. Khaled G. EL Sakty, Dr. Yehia Hassan  
The Egyptian Company for Airports, affiliated to the Egyptian Holding Company for Airports and Saltine, Ministry of Civil Aviation, Egypt.
- 12:00** **Session Discussion**
- 12:15** **Coffee Break**



# Session 4 B

## Operational Efficiency of Ports and Its Impact on Regional Logistics and Value Chains

### Session Chair

**Prof. Hossam Moghazay**

Former Minister of Water Resources and Irrigation, Egypt

- 10:45** | **Comparative Analysis of a Container Terminal and a Multipurpose Terminal at Abu Qir Port**  
Prof. Ahmed Yehia, **Eng. Omar Kamel** and Prof. Maysara El-Tahhan  
Senior Geotechnical Engineer, CMC Engineering Office.
- 11:00** | **Egypt and the COMESA BLOC - Prospects for Developing Economic Integration and Logistical Connectivity**  
**Prof. Nouran Abdelgawwad**  
Professor, Faculty of Logistics and Transport, Director of Economic Research Center,  
Arab Academy for Science, Technology and Maritime Transport, Egypt.
- 11:15** | **The Heterogeneous Determinants of Global Value Chain Participation in Arab Economies**  
**Dr. Islam Abdelbary**  
Vice Dean, Postgraduate Studies and Research,  
College of International Transport and Logistics, AASTMT.  
Economic Consultant for the United Nations Economic and Social Commission for Western Asia  
(UNESCWA).
- 11:30** | **Numerical Investigation of Operational Downtime at Gargoub Commercial Port**  
**Eng. Youssef A. Abdrabou**, Eng. Moataz S. Hassan and Prof. Maysara K. El-Tahhan  
MSc Researcher, Faculty of Science, Alexandria University / Civil-Marine Engineer, CMC Office,  
Egypt.
- 11:45** | **Session Discussion**
- 12:15** | **Coffee Break**



Translation Available

# Session 5A

## Logistics Corridors Investments and Their Impact on Economic Growth and Global Competitiveness

Session Chair

**Dr. Anusha Kesarkar Gavankar**

Senior Fellow, Observer Research Foundation, India

- 12:30** | **Navigating Dual Corridors: Egypt's Strategic Role in BRI, IMEC, and the EU-India Agenda**  
**Dr. Dimitris Gavalas**  
Associate Professor, Shipping & Port Supply Chain, Department of Port Management & Shipping National & Kapodistrian University of Athens, Greece.
- 12:45** | **From Stakeholders to Strategic Partners: Engaging Port Authorities in the SEA-EU Alliance**  
**Dr. Fernando Perez**  
Associate Professor, in Computer Architecture and Technology, UCA, General **Director**, SEA-EU Alliance, University of Cadiz, Spain.
- 13:00** | **Green Corridors and International Cooperation within the Framework of the European Global Gateway Initiative**  
**Mr. Luis Núñez Vera**  
Head, Strategy and European Affairs, Department at the Algeciras Bay Port Authority, Spain.
- 13:15** | **Sustainability, Resilience, and Competitiveness of The Suez Canal Route for Far East–Europe Containerships in the Context of IMO Regulations 2025 and the Red Sea Crisis**  
**Mr. Samer H. Okasha**, Mr. Mohamed M. Helal and Mr. Hossam H. AbdelKarim  
Planning and Research Dept., Suez Canal Authority, Ismailia, Egypt.
- 13:30** | **Investment In Ports: Their Role in Supporting Logistics Corridors and Enhancing Competitiveness – The Case of Egypt**  
**Mr. Mohammed Nabil Abu Elsaud**  
Department Manager, Holding company for maritime and land transport, Alexandria, Egypt.
- 13:45** | **Session Discussion**
- 14:00** | **Break**



# Session 5 B

## Infrastructure Investment Strategies for Enhancing Global Trade Efficiency

### Session Chair

**Prof. Mostafa Shazly**

Associate Pro-Vice Chancellor for Research

Vice Dean for Research and Post-Graduate Studies, Faculty of Engineering

The British University in Egypt (BUE)

- 12:30** | **Developing an Operations Management Optimization Model for Strategic Positioning of East Port Said in Global Trade Networks**  
**Dr. Dalia Younis**  
Associate Professor, Vice Dean college of international Transport and logistics,  
Arab Academy for Science and Technology and Maritime Transport, Cairo, Egypt.
- 12:45** | **Emerging Economy Smart Port Adoption Challenges and Opportunities in Digital Maritime Infrastructure Transformation**  
**Capt. Mohamed Elhussieny**  
Lecturer, Nautical Basic Studies Department, College of Maritime Transport & Technology  
Arab Academy for Science, Technology and Maritime Transport, Alexandria, Egypt.
- 13:00** | **Geopolitical Risk and Real Investments in Shipping Companies: A Bibliometric Analysis-Based Literature Review**  
**Mr. Islam Abdallah**, Prof. Mohamed Bahaa Bekheit  
PhD Student | Teaching Assistant, College of International Transport and Logistics  
Arab Academy for Science, Technology and Maritime Transport, Aswan, Egypt.
- 13:15** | **From Cooperation to Integration: A Legal Framework for Advancing from Cooperation GCC Maritime Governance Toward Supranational Regulatory Convergence in Arabian Gulf Logistics**  
**Dr. Ahmed Shehata**, Dr. Zainab Ahmed and Mr. Abanoub Helmy  
Lecturer, College of International Transport and Logistics,  
Arab Academy for Science, Technology and Maritime Transport, Aswan Branch, Egypt.
- 13:30** | **Session Discussion**
- 14:00** | **Break**



Translation Available

# Session 6 A

## Shaping the Future of Logistics Corridors: Digitalization, Benchmarking and Sustainability

### Session Chair

**Prof. Khaled Elsakty**

**Dean, College of International Transport and Logistics, AASTMT  
Cairo, Egypt**

- 14:15** | **The Future of Logistics Corridors: Bibliometric Review of Emerging Technologies and Strategic Shifts**  
Mr. Mahmoud Ahmed Abdo Hamza, **Ms. Nirmeen Elsayed**, Dr. Muhammad Arfeen, Mr. Abdelhamed Hamza, Mr. Kariem Hamam, Mr. Dina Ibrahim, Mr. Mohamed Khairy and Mr. Yousif Abdelhasseb  
College of International Transport & Logistics,  
Arab Academy for Science, Technology and Maritime Transport, Aswan, Egypt.
- 14:30** | **Mapping the Research Landscape of Renewable Energy Solutions for Sustainable Maritime Transport: A Bibliometric Analysis (2016–2025)**  
**Mr. Mahmoud Ahmed Abdo Hamza**, Ms. Nirmeen Elsayed, Ms. Tasnim Ahmed Youssef, Mr. Ziad Ahmed and Dima Salah  
Lecturer and Researcher at the College of International Transport & Logistics, AASTMT, Aswan, Egypt.
- 14:45** | **Egyptian Dry Ports and Their Role in Enhancing Logistics Corridors: An Economic, Environmental, And Logistical Perspective**  
Prof. Akram Elselmy, **Eng. Ahmed Reda** and Dr. Youssef Mahfouz  
Egypt Shipping accounting, MLH- Shipping and Logistics, Alexandria Branch, Egypt.
- 15:00** | **Digital Transformation in Maritime Logistics a Bibliometric Review of Port Modernization, Cargo Handling Efficiency, and Turnaround Optimization**  
**Mr. Ahmed Omar**, Dr. Muhammad Arfeen, Dr. Ahmed Mansour and Dr. Aboelhassan Talat  
Lecturer, College of International Transport and Logistics, AASTMT, Egypt.
- 15:15** | **Session Discussion**
- 15:45** | **Lunch**



# Session 6 B

## Engineering of Maritime Facilitation Modernization and Reform

### Session Chair

Prof. Aziz Ezzat

President's Advisor of Education Affairs, AASTMT

- 14:15** | **Fusion of Vibration, Ultrasound, and Temperature for Offline Smart Predictive Maintenance on Oil and Gas Platforms Rotating Equipment: A Preliminary Mathematical Framework**  
Eng. Amr Y. Menisy, Prof. Dr. Mohamed M. ElGohary, Dr. Ahmed Al-Kabbany and Prof. Ahmed S. Shehata  
Marine and Offshore Engineering Department, College of Engineering and Technology,  
Arab Academy for Science, Technology and Maritime Transport, Alexandria, Egypt
- 14:30** | **A Data-Driven ROV Framework for Underwater Crack Detection Using Mathematical Image Enhancement Techniques**  
Eng. Miral Michel, Eng. Farida Sharks, Eng. Zeyad Ayman, Eng. Yossef Negm, Eng. Osama Eng. Nasser,  
Eng. Talat El-Balshy, Eng. Fares Saad and Prof. Ahmed S. Shehata  
Undergraduate Student – Marine and Offshore Engineering Department– College of Engineering and  
Technology– Arab Academy for Science, Technology and Maritime Transport, Egypt.
- 14:45** | **Experimental Performance of High-Lift Vortex-Trap Airfoils**  
Eng. Miral Michel, Eng. Ibraheem Yaser, Eng. Mazen El-Bialy, Eng. Muhammed Salah, Eng. Muhammed  
Mahmod, Eng. Belal Tarek, Eng. Ahmed Ashraf and Prof. Ahmed S. Shehata  
Student, Marine and Offshore Engineering Department – College of Engineering and Technology, Arab  
Academy for Science, Technology and Maritime Transport, Egypt.
- 15:00** | **Optimizing Bulbous Bow Design for Sustainable Shipping**  
Eng. Miral Michel, Eng. Martin Mourad, Eng. Youssef Taqi, Eng. Ibrahim Abd El-Rahman, Eng. Mohamed  
Abo El-Magd, Eng. Habiba Mostafa, Eng. Nouf El-Barbary, Eng. Mohamed Elnegouly and Prof. Ahmed S.  
Shehata  
Student, Marine and Offshore Engineering Department – College of Engineering and Technology, Arab  
Academy for Science, Technology and Maritime Transport, Egypt.
- 15:15** | **Reducing Ship Fuel Consumption Through Integrated Route and Speed Optimization: A Mathematical Modeling Approach**  
Eng. Medhat Azzam, Prof. Ahmed Shehata and Prof. Sherine Saleh  
Fourth Engineer with the Abu Dhabi National Oil Company (ADNOC), United Arab Emirates.
- 15:30** | **Session Discussion**
- 15:45** | **Lunch**



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# **Program**

**Tuesday, 10th February 2026**



Translation Available

# Session 7 A

## Decarbonizing Global Trade: The Future of Green Blue Logistics Corridors (2)

### Session Chair

**Dr. Sandra Haddad**

Dean College of International Transport and Logistics, AASTMT. Alamein

- 09:00** | **Industrial Symbiosis as a Green Corridor for Small Communities: The ECONEXUS Model**  
**Prof. Eng. Larisa IVASCU**, Dr. Nicoleta MIREA, Dr. Marius PISLARU, Dr. Aura DOMIL and Dr. and Alin ARTENE.  
Vice-rector for Entrepreneurship and European Funds, Director of Research Center in Engineering and Management, Politehnica University of Timisoara, Romania.
- 09:15** | **Charting the Research Landscape of Sustainable Maritime Logistics: A Bibliometric Review**  
Dr. Roxana-Mariana Nechita, **Prof. Dana Corina Deselnicu** and Dr. Sandra Samy Haddad  
Director of the Doctoral School of Entrepreneurship, Business Engineering and Management, University POLITEHNICA of Bucharest, Romania.
- 09:30** | **Passenger Transportation Emissions: Trends and Projections Until 2050**  
Dr. Martin Fale and **Dr. Matevž Obrecht**  
Associate Professor, Sustainable Logistics, Faculty of Logistics, University of Maribor, Slovenia.
- 09:45** | **Agile, Critical Thinking and AI-Enabled Management Frameworks for Green Logistic Corridors: A Comparative Analysis of Traditional and Adaptive Approaches**  
Dr. Adrian-Paul Singheorghe, **Dr. Mihai-Virgil Nichita**, Eng. Andreea Barbu and Prof. Dana Corina Deselnicu  
National University of Science and Technology, POLITEHNICA Bucharest, Romania.
- 10:00** | **Session Discussion**
- 10:15** | **Coffee Break**



# Session 7B

**Future Trends in Logistics:  
Predicting the Next Big Shifts in Technology and Strategy for Logistics  
Corridors**  
**Session Chair**

**Prof. Nikitas Nikitakos**  
Professor of Shipping Informatics and New Technologies,  
Department of Shipping Trade and Transport, University of the Aegean, Greece  
Visiting professor, World Maritime University, Sweden

- 09:00** | **Container Multimodal Transport Collaborative Transportation based on Blockchain Platform**  
**Prof. Lixin Shen**, Dr. Dong Yang, Dr. Xueqi Qian, Dr. Zixuan Zhao, Dr. Meixuan Qu, Qi Wen, Dr. Haina Ji  
School of Maritime Economics and Management, Dalian Maritime University, China.
- 09:15** | **AI and IOT For Smart Terminals: Predictive Maintenance in the Era of Digitalized Logistics Corridors**  
**Mr. Alessandro Berutti**  
Chief Technical Officer, Trans Misr Terminal (TMT), Alexandria, Egypt.
- 09:30** | **Research on the Role of China Railway Express in Sino-European Trade Transportation**  
**Prof. Zhongzhen YANG**, Dr. Yaozong WANG and Dr. Yu SUN  
Professor, Maritime Shipping and Port Logistics at Ningbo University, China.
- 09:45** | **Enhancing Supply Chain Interoperability and Resilience Through PI, DAO, and Single Window: Case Scenario of Exporting Packaged Medicaments from Slovenia to China**  
Dr. Marina Nikšić, **Prof. Tomaž Kramberger**, Dr. Roma Gumzej and Prof. Maja Rosi  
Dean, Faculty of Logistics, University of Maribor, Slovenia.
- 10:00** | **Session Discussion**
- 10:15** | **Coffee Break**



Translation Available

# Session 8 A

## Building Resilient Logistics Corridors: Strategies for Risk Mitigation and Crisis Management

Session Chair

**Prof. Moustafa Abdel Gelil**

Vice Dean for Postgraduate Studies and Research

College of Engineering and Technology, Abo Quir Campus, AASTMT

- 10:30** | **A Multidimensional Assessment of France’s Vulnerability to Maritime Trade**  
**Dr. Pierre Cariou** and Ms. Nadine Kafa  
Senior Professor in Maritime and Port Economics, KEDGE Business School, France.
- 10:45** | **Integrating Machine Learning into Supply Chain Risk Management to Mitigate Demand Forecasting Variability: Evidence from the FMCG Industry in Egypt**  
Dr. Islam Abdelbary, Ms. Samar Hemeda, **Ms. Farah Sameh**, Mr. Ali Khaled Rashad, and Mr. Mahmoud Khaled Sawaby  
Exports Logistics Specialist, Unilever,  
Master Student, Arab Academy for Science, Technology and Maritime Transport, Egypt.
- 11:00** | **Migration Layers and Corridor Resilience on the Danube–Black Sea Logistics Route**  
**Dr. Marius Pislaru**, Prof. Larisa Ivascu, Dr. Oday Ali Hassen, Dr. Nicoleta Mirea and Dr. Neta Saptebani.  
Department of Engineering Management, Faculty of Industrial Design and Business Management, Gheorghe Asachi” Technical University of Iasi, Iasi, Romania.
- 11:15** | **Dynamic Decision Support Systems: Customizing RAG Knowledge Bases for Specific Maritime Missions**  
**Dr. Kuderna-Iulian Benta**, Dr. Klara Orban and Prof. Dana Corina Deselnicu  
Assistant Professor, Department of Computer Science, Faculty of Mathematics and Informatics Babes-Bolyai University, Cluj-Napoca, Romania.
- 11:30** | **Session Discussion**
- 12:00** | **Break**



# Session 8 B

## Port Infrastructure Development with Innovative Solutions and Materials

### Session Chair

**Prof. Ahmed Samir**

Head, Marine and Offshore Engineering Dept., College of Engineering and Technology,  
Alexandria, AASTMT

- 10:30** | **Numerical Prediction of the Potential Tsunami Wave Heights and Inundation Zones for the Coastal Region of Alexandria, Egypt**  
**Eng. Mohamed Abouelnasr** and Prof. Akram S. Elselmy  
D.Eng Candidate, School of Civil Engineering, Engineering Institute of Technology, Perth Campus, Australia.
- 10:45** | **A Nature-Based Multifunctional Island for Coastal Protection and Strategic Development in the Suez Canal**  
Prof. Akram Soliman Elselmy, Prof. Wael Aly Kamel, Prof. Hossam Eldin Moghazi and **Dr. Radwa Refat**  
Senior Civil Engineer, Suez Canal Authority, Egypt.
- 11:00** | **The Effect of Deep Excavation in Construction Sites and Ports Infrastructure**  
Prof. Tareq Mostafa, Dr. Ahmed Ragheb and **Eng. Wafaa Abd alsalam**  
Department of Civil Engineering, Derna university, Libya.
- 11:15** | **An AI-Driven Cost Estimation for Marine Steel in Tugboat Construction**  
**Eng. Eslam Nagdy**, and Dr. Ahmed M. Shama  
Commissioning Manager at Zamil Shipyards, Kingdom of Saudia Arabia.
- 11:30** | **Session Discussion**
- 12:00** | **Break**



Translation Available

# Session 9

## Maritime & Logistics Workforce Capacity Building and Development

### Session Chair

**Prof. Yousry Elgamal**

Chairman of IT Committee, National Council of Education, Culture, and Science  
(UNESCO, ISESCO, ALECSO)

Former Minister of Education

Head, MARLOG Conference Technical Committee, AASTMT

- 12:15 | **Designing the Corridors of the Future: Smart, Green and People-Centered"**  
**Dr. Anusha Kesarkar Gavankar**  
Senior Fellow, Observer Research Foundation, India.
- 12:30 | **Bridging the Skills Gap: Training Programs for the Next Generation of Logistics Professionals**  
**Mr. Hamad Alhuqail**  
Branch Director, Saudi Logistics Academy, Jeddah, Kingdom of Saudi Arabia.
- 12:45 | **METAVASEA – Promoting a People-Centred ‘Green’ Maritime Transition in the East Mediterranean**  
**Ms. Eleni Tsolka**  
Head of Grants and Program Development, HELMEPA, Greece.
- 13:00 | **Cognitive Load and Algorithmic Literacy: Upskilling Gig Workers for Smart and Green Logistics Corridors**  
**Dr. Nidhi Sehgal**, Dr. Gunjan Malhotra and Dr. Vimi Jham  
Head of School- Business and Humanities, Curtin University Dubai, United Arab Emirates.
- 13:15 | **Session Discussion**
- 13:30 | **Break**



# Closing Session

## Chairman

**Prof. Ismail Abdel Ghafar Ismail Farag**

**Conference Chairman**

- 14:00 Keynote Speech:**  
**Prof. Ismail Abdel Ghafar Ismail Farag**  
Chairman, Conference  
President, AASTMT
- 14:50 Proposed Recommendations**
- 15:15 Best Paper Award**
- 15:45 Recognition**
- 16:00 Lunch**