



Two-day International Conference

**THE PORT AND MARITIME SECTOR :
KEY DEVELOPMENTS AND CHALLENGES**

WCTRS - Special Interest Group A2

5-7 May 2021



Wednesday 5 May			
10.45am – 11.15am	Opening session <i>Thierry Vanellander, Scientific conference co-ordinator</i> <i>Koen Vandenbempt, Dean FBE University of Antwerp</i>		
11.20am – 12.15am	Ports session: CHAIN Chair: Alessio Tei Steward: Loghman Boukani	Maritime session: LABOUR Chair: Hilda Ghiara Steward: Majid Mohaseni	Chain / Hinterland session: DIGITAL Chair: Monica Grosso Steward: Jeffrey Willems
	The embeddedness of ports in international trade and global supply-chains	Labour in Maritime Industry: A Literature-Based Conceptual Analysis of Research	Data entry in logistics: are AI-based solutions seen yet as a cost-effective alternative?
	<i>Jasper Verschuur University of Oxford</i> <i>Elco Koks Vrij Universiteit Amsterdam</i> <i>Jim Hall University of Oxford</i>	<i>Didem Ozer-Caylan Dokuz Eylul University</i> <i>Jane Parker Massey University, Massey Business School</i>	<i>Valentin Carlan University of Antwerp</i> <i>Thierry Vanellander University of Antwerp</i>
	The quality of arrival predictions of ships	Closing the Gap Between Present and Future Through Education: MINE-EMI Project	Legal aspects of maritime remote piloting
	<i>Albert Veenstra Rotterdam School of Management</i> <i>Harmelink Rogier University of Twente</i>	<i>Pinar Özdemir Piri Reis University</i> <i>Alaettin Sevim Piri Reis University</i> <i>Taner Albayrak Piri Reis University</i>	<i>Goran Vojkovic University of Zagreb</i> <i>Melita Milenkovic University of Zagreb</i> <i>Lea Vojkovic University of Split</i>
	Security Risk Assessment in Container Terminals. Empirical Evidence from Greece	SEAttransit: An index reflecting seafarers' ease of transit	Functionalities, responsibilities and liabilities: towards a tool for qualification of logistic platforms in container transportation.
<i>Constantinos Chlomoudis University of Piraeus</i> <i>Petros Pallis University of Piraeus</i>	<i>Tiago Fonseca World Maritime University</i> <i>Satya Sahoo World Maritime University</i> <i>Anish Hebbar World Maritime University</i>	<i>Verheyen Wouter UAntwerpen</i> <i>Kolacz Marta UAntwerpen</i>	
12.15pm – 12.30pm	Refreshment break – wonder.me		
12.30pm – 1.45pm	Ports session: COLLABORATION Chair: Bart Kuipers Steward: Lixon Samuel	Maritime session: INNOVATION Chair: Jeroen Pruyn Steward: Noemi Van Meir	Chain / Hinterland session: INLAND WATERWAY TRANSPORT Chair: Gianfranco Fancello Steward: Peter Shobayo
	Research collaboration and scientific productivity in the port management studies	Developing Digital Maritime Services	Behavioral biases distorting the demand for inland waterway transport: An overview
	<i>Marcella De Martino IRISS-CNR</i> <i>Ali Koseoglu The Hong Kong Polytechnic University</i> <i>Alfonso Morvillo IRISS-CNR</i> <i>Mehmet Yildiz Yildirim Beyazit University Ankara</i>	<i>Michael Bergmann International PortCDM Council</i>	<i>Pfoser Sarah University of Applied Sciences Upper Austria</i> <i>Stockhammer Verena University of Applied Sciences Upper Austria</i> <i>Markvica Karin Austrian Institute of Technology</i> <i>Zajicek Jürgen Austrian Institute of Technology</i> <i>Rudloff Christian Austrian Institute of Technology</i>
	Value creation in inter-organizational collaboration: designing sustainable port development strategies	Marine Insurance Cybersecurity Policies & Ransomware Risk Mitigation-A Collaborative Guide for Marine Insurance Providers and Marine Law Professionals	Public procurement as catalyst for sustainable inland shipping – the Swedish case
	<i>Marcella De Martino IRISS-CNR</i>	<i>Eleanor Shifflette Texas A&M University - Galveston</i> <i>Paula Dewitte Texas A&M University - Galveston</i>	<i>Inge Vierth VTI-Swedish Road and Transport Research Institute</i> <i>Axel Merkel VTI-Swedish Road and Transport Research Institute</i>



			<i>Henrik Sjöstand VTI-Swedish Road and Transport Research Institute</i>
	Evolution of port system in Chinese coastal region: A provincial perspective	New technologies and shipping industry: a shipbuilding perspective	Operational Characteristic and Supply of Inland Waterway Transportation service in Nigeria. Case study of Lagos State, Nigeria.
	<i>Qiang Zhang Shanghai Maritime University Kai Yan Shanghai Maritime University Dong Yang Hong Kong Polytechnic University</i>	<i>Alessio Tei University of Genoa</i>	<i>Chijioko Akpudo Federal University of Technology, Akure Mobolaji Stephens Federal University of Technology, Akure Ikpechukwu Njoku Federal University of Technology, Akure</i>
	BORDER-CROSSING MERGER NORTH SEA PORT: APPLICATION OF THE CRITICAL SUCCESS FACTORS TO THE SEAPORTS OF THE FLEMISH DUTCH DELTA	The significance of pilot projects in overcoming transition barriers: a socio-technical analysis of the Dutch maritime energy transition	Small inland shipping in the Netherlands: operating below the radar?
	<i>Chris Peeters Policy Research, UAntwerpen Joost Hintjens UAntwerpen Miguel Timmermans UAntwerpen</i>	<i>Louis Stolper TU Delft Jurrit Bergsma TU Delft Jeroen Pruyn TU Delft</i>	<i>Van der Horst Martijn KiM Netherlands Institute for Transport Policy Analysis Hoogervorst Dirk KiM Netherlands Institute for Transport Policy Analysis Francke Jan KiM Netherlands Institute for Transport Policy Analysis</i>
1.45pm – 2pm	Refreshment break – wonder.me		
2pm – 3pm	Plenary session: panel debate ecological sustainability		
	<i>Edwin van Hassel</i>		
	<i>Tom O'Brien</i>		
	<i>Seraphim Kapros</i>		
3pm – 3.15pm	Refreshment break – wonder.me		
	Ports session: COMPETITION	Maritime session: EMISSIONS	Chain / Hinterland session: MODE CHOICE
	Chair: Poonam Taneja	Chair: Trevor Heaver	Chair: David Guerrero
	Steward: Loghman Boukani	Steward: Majid Mohaseni	Steward: Jeffrey Willems
	Feasibility and implementation of a generic agent-based framework for port competition.	Inclusion of shipping in the EU-ETS: assessing the economic impact for the maritime sector using the MRV data	Creating Innovation in Achieving Sustainability: Halal Port
3.15pm – 4.30pm	<i>Koen DE WINNE Universiteit Antwerpen</i>	<i>Anastasia Christodoulou World Maritime University Dimitrios Dalaklis World Maritime University Aykut Ölcer World Maritime University Peyman Ghaforian Masodzadeh World Maritime University</i>	<i>Harlina Suzana Jaafa Universiti Teknologi Mara, MALAYSIA Muhammad Razif Ahmad Johor Port Authority, MALAYSIA Nasruddin Faisal Universiti Teknologi Mara, MALAYSIA Azureen Hamdan Universiti Teknologi Mara, MALAYSIA</i>
	Co-opetition of the Eastern Baltic ports: lessons from the COVID-19 pandemic	Hydrogen as an Alternative Fuel in Shipping	Import, export and transit trade further revealed; more detailed goods description, cargo type, port areas, transport hubs and hinterland transport
	<i>Elena Efimova Saint Petersburg State University Svetlana Vroblevskaya Saint Petersburg State University</i>	<i>Lara Pomaska Kühne Logistics University (KLU) Michele Acciaro Kühne Logistics University (KLU)</i>	<i>Chris de Blois Statistics Netherlands Anne-Peter Alberda Statistics Netherlands Harm Jan Boonstra Statistics Netherlands</i>
	Equilibrium models for ports competition and cooperation	Strengthening the Business Case for Wind Assisted Ship Propulsion	Cabotage as alternative for southern Brazilian shippers on domestic freight transport market



	<p><i>Francesco Russo</i> <i>Università Mediterranea di Reggio Calabria</i> <i>Giuseppe Musolino</i> <i>Università Mediterranea di Reggio Calabria</i></p>	<p><i>Vasileios Kosmas</i> <i>Kuehne logistics University</i> <i>Michele Acciario</i> <i>Kuehne Logistics University</i> <i>Todd Chou</i> <i>Kuehne Logistics University</i></p>	<p><i>Luis Eduardo Bender</i> <i>Universidade Federal do Rio Grande do Sul (UFRGS)</i> <i>Ana Margarita Larrañaga Uriarte</i> <i>Universidade Federal do Rio Grande do Sul (UFRGS)</i> <i>Rodrigo Javier Tapia</i> <i>Universidade Federal do Rio Grande do Sul (UFRGS)</i></p>
	<p>Identification of competitiveness indexes of Mediterranean container ports using Data Envelopment Analysis</p>	<p>Wind powered shipping – Stakeholders’ logistics requirements</p>	<p>Improving the efficiency of inland waterway transport in the Rhine Alpine corridor</p>
	<p><i>Gianfranco Fancello</i> <i>University of Cagliari</i> <i>Patrizia Serra</i> <i>University of Cagliari</i> <i>Valentina Aramu</i> <i>University of Cagliari</i> <i>Daniel Mark Vitiello</i> <i>University of Cagliari</i></p>	<p><i>Vendela Santén</i> <i>SSPA Sweden AB</i> <i>Christian Finnsgård</i> <i>SSPA Sweden AB</i></p>	<p><i>Bilge Atasoy</i> <i>Delft University of Technology</i> <i>Edwin van Hassel</i> <i>University of Antwerp</i> <i>Adrien Nicolet</i> <i>Delft University of Technology</i> <i>Peter Shobayo</i> <i>University of Antwerp</i> <i>Thierry Vanelander</i> <i>University of Antwerp</i></p>
4.30pm – 4.45pm	<p>Refreshment break – wonder.me</p>		
	<p>Ports session: DIGITAL</p>	<p>Maritime session: CRUISE</p>	<p>Chain / Hinterland session: GREENING</p>
	<p>Chair: Tom O’Brien</p>	<p>Chair: Claudio Ferrari</p>	<p>Chair: Yasmine Rashed</p>
	<p>Steward: Lixon Samuel</p>	<p>Steward: Noemi Van Meir</p>	<p>Steward: Peter Shobayo</p>
	<p>Collaborative digital port applications: identifying stakeholders’ roles and a comprehensive development roadmap</p>	<p>A two-objective optimization of ship itineraries for a cruise company</p>	<p>THE POTENTIAL OF HYDROGEN FOR THE TRANSPORT AND PORT SECTOR; OPPORTUNITIES AND THREATS</p>
	<p><i>Lorenzo Franchi</i> <i>Antwerp Management School</i> <i>Valentin Carlan</i> <i>University of Antwerp</i> <i>Wouter Van Bockhaven</i> <i>Antwerp Management School</i> <i>Thierry Vanelander</i> <i>University of Antwerp</i></p>	<p><i>Gianni Di Pillo</i> <i>ACTOR SRL, Sapienza University of Rome</i> <i>Marcello Fabiano</i> <i>ACTOR SRL, Sapienza University of Rome</i> <i>Stefano Lucidi</i> <i>Sapienza University of Rome</i> <i>Massimo Roma</i> <i>Sapienza University of Rome</i></p>	<p><i>GEERLINGS HARRY</i> <i>ERASMUS UNIVERSITY ROTTERDAM</i> <i>VAN GRIEKEN BERT</i> <i>INDEPENDENT RESEARCHER</i></p>
4.45pm – 6pm	<p>The role of advanced ICT in port operations: new frontier of the port community systems.</p>	<p>Triage Time: The Cruise Industry and Covid-19</p>	<p>WHAT FEASIBLE BENEFITS CAN BE REALIZED FROM PORT CALL OPTIMIZATION? A STUDY OF THE ‘ENERGY EFFICIENCY GAP’ IN SWEDISH TRAMP SHIPPING</p>
	<p><i>Francesco Russo</i> <i>Mediterranea University of Reggio Calabria</i> <i>Giuseppe Musolino</i> <i>Mediterranea University of Reggio Calabria</i></p>	<p><i>Christopher Clott</i> <i>State University of New York</i> <i>Dominick Petrizzo</i> <i>State University of New York</i></p>	<p><i>Axel Merkel</i> <i>Swedish National Road and Transport Research Institute (VTI)</i> <i>Joakim Kalantari</i> <i>Swedish National Road and Transport Research Institute (VTI)</i></p>
	<p><i>Maritime Port Policy in the Uncertain Development Towards the Physical Internet</i></p>	<p>Cruise industry in front of accidents and pandemic exit strategy with stochastic frontier analysis</p>	<p>ASSESSING EMISSIONS REDUCTION AND THE NEAR-PORT AIR QUALITY CHANGE FROM THE DRAYAGE TRUCK REPLACEMENT PROGRAM OF THE PORTS OF NEW YORK AND NEW JERSEY</p>
	<p><i>Patrick Fahim</i> <i>Delft University of Technology</i> <i>Gerjan Mientjes</i> <i>Delft University of Technology</i> <i>Jafar Rezaei</i> <i>Delft University of Technology</i> <i>Lori Tavasszy</i> <i>Delft University of Technology</i></p>	<p><i>Mauro Catalani</i> <i>University of Naples Parthenope</i> <i>Simonetta Zamparelli</i> <i>University of Molise</i> <i>Sara Raffio</i> <i>University of Naples Parthenope</i> <i>Federica Pizzolante</i> <i>University of Naples Parthenope</i></p>	<p><i>Yeonkyeong Park</i> <i>Cornell University</i></p>



Thursday 6 May			
	Ports session: FUTURE	Maritime sessions: PASSENGER	Chain / Hinterland session: GREENING COSTS
	<i>Chair: Valentin Carlan</i>	<i>Chair: Hidekazu Itoh</i>	<i>Chair: Domenico Gattuso</i>
	<i>Steward: Loghman Boukani</i>	<i>Steward: Majid Mohaseni</i>	<i>Steward: Jeffrey Willems</i>
	Conceptualisation of the Port of the Future based on Business Canvas Model methodology: Case study of the Vision 2040 of the Port of Barcelona	Aggregate demand models for nautical tourism: trend, in transit, seasonal.	Pass through implications for the development of policies to mitigate environmental externalities in Europe and North America
	<i>Javier Garrido Salsas Port of Barcelona-CENIT</i> <i>Sergi Sauri Marchan CENIT</i> <i>Carles Rua Port of Barcelona</i> <i>Jordi Torrent Port of Barcelona</i>	<i>Francesco Russo Università degli studi Mediterranea di Reggio Calabria</i> <i>Corrado Rindone Università degli studi Mediterranea di Reggio Calabria</i>	<i>Benny Mantin Univeristy of luxembourg</i> <i>James Nolan University of saskatchewan</i>
11am – 12.15am	Directions of Development of Smart Seaports	Ferry passengers' acceptance of transfer hubs at islandic ports of the Aegean Archipelago with discrete choice modelling	The quest for greening options in inland shipping: a CBA - SIA analysis of the LNG case
	<i>Eliza Michalowska Gdańsk University of Technology</i> <i>Karolina A. Krośnicka Gdańsk University of Technology</i>	<i>Fani Hatzioannidu University of the Aegean</i> <i>Amalia Polydoropoulou University of the Aegean</i>	<i>Edwin Verbergh UAntwerp</i> <i>Thierry Vanelslander UAntwerp</i> <i>Edwin van Hassel UAntwerp</i> <i>Daisy Rycquart CITBO</i>
	Strategic Planning Framework in the Port Sector: Case of Ukraine	Assessing the Potential of Mobility as a service in Passenger Maritime Transport.	A study into the availability, costs and GHG reduction of drop-in biofuels for shipping under different regimes between 2020 and 2050.
	<i>Volodymyr Shemayev National Aviation University, Kyiv</i>	<i>Georgios Papaioannou University of the Aegean</i> <i>Amalia Polydoropoulou University of the Aegean</i> <i>Athena Tsirimpa University of the Aegean</i> <i>Ioanna Pagoni University of the Aegean</i> <i>Ioannis Tsouros University of the Aegean</i>	<i>Douwe Kroft, van der Delft University of Technology</i> <i>Jeroen Pruyn Delft University of Technology</i> <i>Ruud Verbeek TNO</i> <i>Pieter Hart, 't Maritiem Kennis Centrum</i> <i>Bart Hellings Goodfuels</i>
12.15pm – 12.30pm	Refreshment break – wonder.me		
	Ports session: EMISSIONS	Maritime session: AUTOMATION	Chain / Hinterland session: SHORT SEA SHIPPING
	<i>Chair: Hans-Joachim Schramm</i>	<i>Chair: Elyakim Ban Hakoun</i>	<i>Chair: Chris De Blois</i>
	<i>Steward: Lixon Samuel</i>	<i>Steward: Noemi Van Meir</i>	<i>Steward: Peter Shobayo</i>
	Methodology for the Daily Port & Shoreline Emission Inventory	A model to assess innovation in transport: evidence from the maritime autonomous surface ships	ro-ro and lo-lo alternatives between Mediterranean countries: characteristics affecting the service choice.
	<i>Elyakim BenHakoun Technion - Israel Institute of Technology</i> <i>Eddy Van De Voorde University of Antwerp</i> <i>Yoram Shifitan Technion - Israel Institute of Technology</i>	<i>Tiago Fonseca World Maritime University</i> <i>Khanssa Lagdami World Maritime University</i> <i>Jens-Uwe Schröder-Hinrichs World Maritime University</i>	<i>Francesco Russo Università Mediterranea di Reggio Calabria</i> <i>Giuseppe Musolino Università Mediterranea di Reggio Calabria</i> <i>Vincenzo Assumma Società degli Interporti Siciliani</i>
12.30pm – 1.45pm	Environmental Pricing Coordination in the Case of Port Authorities	Full mission simulation to investigate the effects of autonomous shipping on the future role of the Licensed Deck Officer taking into effect potential changes to COLREGs and STCW	Future Cargo Base for Transit Shipping between NW Europe and NE Asia via the Northern Sea Route
	<i>Michele Acciaro Acciaro Kühne Logistics University</i>	<i>Elspeth Hannaford University of Antwerp</i> <i>Pieter Maes University of Antwerp</i>	<i>Alina Kovalenko Nord University</i> <i>Bjørn Gunnarsson Nord University</i>
	Estimation of polluting emissions of chips calling in the major Belgian ports in 2019	Automated vessel detection for enabling autonomous vessels on European inland waterways	Integrating short sea shipping within Trans-European Transport Networks
	<i>Kerbiriou Ronan Université Le Havre Normandie</i>	<i>Billast Mattias University of AntwerpDe Schepper</i>	<i>Tiago Santos Universidade de Lisboa</i>



	<i>Serry Arnaud Université Le Havre Normandie</i>	<i>Tom University of Antwerp José Antonio University of Antwerp Latré Steven University of Antwerp</i>	<i>Miguel Ângelo Fonseca Universidade de Lisboa Pedro Martins Universidade de Lisboa Carlos Guedes Soares Universidade de Lisboa</i>
	The Daily Port & Shoreline Emission Inventory - the Israel Case - Haifa	Autonomous deep-sea shipping - the economist's view	
	<i>Elyakim BenHakoun Technion - Israel Institute of Technology Eddy Van De Voorde University of Antwerp Yoram Shifan Technion - Israel Institute of Technology</i>	<i>Roar Adland Norwegian School of Economics Siri P. Strandenes Norwegian School of Economics</i>	
1.45pm – 2pm	Refreshment break – wonder.me		
2pm – 3pm	Plenary session: Academia meets IAPH		
3pm – 3.15pm	Refreshment break – wonder.me		
3.15pm – 4.30pm	Ports session: ENERGY	Maritime session: PRICING	Chain / Hinterland session: RAIL
	<i>Chair: Michele Acciario</i>	<i>Chair: Elena Efimova</i>	<i>Chair: Tiago Santos</i>
	<i>Steward: Loghman Boukani</i>	<i>Steward: Majid Mohaseni</i>	<i>Steward: Jeffrey Willems</i>
	Stimulating demand sector and the government role to develop LNG as marine fuel, A case study in Southern Iranian Ports	Container pricing on import oriented origin-destination market	An integrated methodology for the multi-objective optimization of port railway capacity: The case study of the Port of Trieste
	<i>Mohammad Vaferi Vaferi University of Antwerp Ahmad Rajabi Netherlands Maritime University</i>	<i>Mobolaji Stephens Federal University of Technology, Akure Innocent Ogwude Federal University of Technology, Owerri</i>	<i>Caterina Caramuta University of Trieste Giovanni Longo University of Trieste Teresa Montrone Esteco S.p.A. Carlo Poloni University of Trieste</i>
	Arctic Port Development the Future of Asian Energy Logistics	Container pricing on import oriented origin-destination market	The effect of the BRI on the gateway ports of the Hamburg-Le Havre range
	<i>Cassia Galvao Texas A&M University at Galveston Andrew Brown Texas A&M University at Galveston</i>	<i>Mobolaji Stephens Federal University of Technology, Akure Innocent Ogwude Federal University of Technology, Owerri</i>	<i>Joost Hintjens AP University of Applied Sciences</i>
Pick up and Delivery LNG Tanker Routing Problem With Hybrid Combination of Fixed and Float Fuel Station	Generalized transport costs in intermodal shipping: The context of the Northern Sea Route	Estimated Gains of Reducing Environmental Costs of Containerised Cargo Distribution in Nigeria	
<i>Mohammad Vaferi University of Antwerp Mohamad Saeid Fallahi Nasir University of Antwerp Loghman NanwayBoukani University of Antwerp</i>	<i>Alina Kovalenko Nord University (CHNL) Terje Andreas Mathisen Nord University</i>	<i>Mobolaji Stephens Federal University of Technology, Akure Chukwuemeka Enyinda Federal University of Technology, Owerri Innocent Ogwude Federal University of Technology, Owerri</i>	
4.30pm – 4.45pm	Refreshment break – wonder.me		
4.45pm – 6pm	Ports session: INVESTMENT	Maritime session: SAFETY	Chain / Hinterland session: SOCIETAL IMPACT
	<i>Chair: Agustina Calatayud</i>	<i>Chair: Siri Strandenes</i>	<i>Chair: Chiara Tincani</i>
	<i>Steward: Lixon Samuel</i>	<i>Steward: Noemi Van Meir</i>	<i>Steward: Peter Shobayo</i>
	Lessons from port of Piraeus for port of Chabahar: a benchmarking approach in Foreign Investment in infrastructure	Ship Domain in the Strait of Istanbul	The role of Research and Innovation in Europe for the decarbonisation of waterborne transport



<p><i>Marzieh Nazemzadeh Technological university of Dublin</i> <i>Nikolaos Valantasis Kanellos Technological university of Dublin</i></p>	<p><i>Yigit C. Altan Ozyegin University</i> <i>Martijn Meijers TU Delft</i></p>	<p><i>Monica GROSSO European Commission, Joint Research Centre Directorate C- Energy, Transport and Climate Unit C.4 - Sustainable Transport</i> <i>Fabio MARQUES DOS SANTOS European Commission, Joint Research Centre Directorate C- Energy, Transport and Climate Unit C.4 - Sustainable Transport</i> <i>Konstantinos GKOUMAS European Commission, Joint Research Centre Directorate C- Energy, Transport and Climate Unit C.4 - Sustainable Transport</i> <i>Ferenc PEKAR European Commission, Joint Research Centre Directorate C- Energy, Transport and Climate Unit C.4 - Sustainable Transport</i></p>
<p>Value Creation in Fertilizers Logistics through Port Privatization in India</p>	<p>Quantifying Collision Frequency in Congested Waterways</p>	<p>The socioeconomic impact of the Port of Antwerp on Belgium</p>
<p><i>Mukesh Parikh Adani Institute of Infrastructure Management</i> <i>Unmesh Abhyankar Adani Institute of Infrastructure Management</i></p>	<p><i>Yigit C. Altan Ozyegin University Sirin</i> <i>Ozlem Isik University</i> <i>Emre Otay Bogazici University</i></p>	<p><i>Hannes Havermaet Universiteit Antwerpen</i> <i>Joris Beckers Universiteit Antwerpen</i> <i>Thierry Yanelander Universiteit Antwerpen</i> <i>Ann Verhetsel Universiteit Antwerpen</i></p>
<p>Arctic Transshipment Hubs Planning along the Northern Sea Route (NSR): A systematic literature review of Arctic port infrastructure and research agenda</p>	<p>Spotlighting main causal factors and precursors of marine accidents using factor-cluster analysis: lessons from past accidents</p>	<p>Measuring the contribution of Ports in regional business ecosystem</p>
<p><i>Roberto Rivas Hermann Nord University</i> <i>Ning Lin Nord University</i></p>	<p><i>Patrizia Serra University of Cagliari, Italy</i> <i>Gianfranco Fanello University of Cagliari, Italy</i></p>	<p><i>Dimitrios DIMITRIOU Democritus University of Thrace</i> <i>Maria SARTZETAKI Democritus University of Thrace</i></p>
<p>LIVING APART TOGETHER/ Rotterdam, Antwerp and Hamburg: relationships between port and city under pressure</p>	<p>Emergency Management and Systems Thinking: Describing the Initial Responses of the Maritime System to the Evolving Regulations</p>	
<p><i>Jos Vroomans Erasmus University</i> <i>Harry Geerlings Erasmus University</i> <i>Bart Kuipers Erasmus University</i></p>	<p><i>Bruce Lambert University of Antwerp</i></p>	



Friday 7 May

	Ports session: THROUGHPUT	Maritime session: SUSTAINABILITY	Chain / Hinterland session: LABOUR
	Chair: Francesco Russo	Chair: Anastasia Christodoulou	Chair: Harry Geerlings
	Steward: Loghman Boukani	Steward: Majid Mohaseni	Steward: Jeffrey Willems
	Analysis of the impacts of COVID-19 on selected categories of goods passing through Genoa and Savona ports in Italy	<i>Customer expectations: An antecedent of sustainable business practices in European short sea shipping industry</i>	Smart efficient dry port location in the European Union area.
	<i>Claudia Caballini Politecnico di Torino Hilda Ghiara University of Genoa Luca Persico University of Genoa</i>	<i>Zeeshan Raza University of Gothenburg Johan Woxenius University of Gothenburg</i>	<i>Ghada Mtir Tunisia Hamdi Dkhil University of Le Havre Abdelkader Sbihi Brest business school Foued Aloulou Tunisia</i>
	Navigating in times of crisis, what impact does the coronavirus over the Tunisian ports traffic	<i>Just do good things and talk about? The state of sustainability reporting by liner shipping operators</i>	Southern California Regional Workforce Development Needs Assessment for the Transportation and Supply Chain Industry Sectors
11am – 12.15pm	<i>Anouar HECHMI University of Manouba (Tunisia)</i>	<i>Hans Joachim Schramm WU Wirtschaftsuniversität Wien</i>	<i>Thomas O'Brien O'Brien California State University Deanna Matsumoto Matsumoto California State University Diana Sanchez California State University Tyler ReebReeb California State University Caitlin Mace Mace California State University</i>
	New tools for multi-port traffic analysis: Compositional Data and visual techniques	<i>Decision support tools for biofouling management optimization in the Baltic Sea area</i>	Smart workplace: students' opinion on being prepared to meeting new digitalisation challenges
	<i>Manel Grifoll Universitat Politècnica de Catalunya Dong Huang Universitat Politècnica de Catalunya M.I. Ortego Universitat Politècnica de Catalunya Hongxiang Feng University of Ningbo Pengjun Zheng University of Ningbo</i>	<i>Emilia Luoma University of Helsinki Lauri Nevalainen University of Helsinki Elias Altarriba South-Eastern Finland University of Applied Sciences, XAMK Inari Helle University of Helsinki</i>	<i>Inga Bartuseviciene World Maritime University Elena Valioniene Lithuanian Maritime Academy</i>
	Rotterdam, Europe's hottest port for cool logistics?		
	<i>Bart Kuipers Erasmus center for Urban, Port and Transport economics Paul Van de Lande TNO/Amsterdam Consultants</i>		
12.15pm – 12.30pm	Refreshment break – wonder.me		
	Ports session: EFFICIENCY	Maritime session: MARKET	Chain / Hinterland session: CLUSTER
	Chair: Claudia Caballini	Chair: Axel Merkel	Chair: Inge Vierth
	Steward: Lixon Samuel	Steward: Noemi Van Meir	Steward: Peter Shobayo
12.30pm – 1.45pm	Assessing the time efficiency of seaside port operations in main Latin American ports through big data	Dry Bulk Shipping market dynamics: The Brazilian case	Orchestrating a port-city innovation ecosystem: port city governance in Rotterdam and Shanghai
	<i>Agustina Calatayud Inter American Development Bank Santiago Sánchez-González Inter American Development Bank Felipe Bedoya-Maya Inter American Development Bank Vielydy Adriana González-Mejía Inter American Development Bank</i>	<i>Cassia B. Galvao Texas A&M University, Galveston Leo T. Robles UFMA Sergio S. Cutrim UFMA Luciana C. Guerise UFMA</i>	<i>Yueyue Zhang Radboud University Peter Martin Ache Radboud University</i>



	CONTAINER SELECTIVITY IN DIFFERENT CONTAINER HANDLING SYSTEMS	A typology of the maritime breakbulk sector	MARITIME WORLD CITIES: UPDATE ON SHIFTS IN THE 21TH CENTURY
	<i>Alexander Kuznetsov Admiral Makarov State University of Maritime And Inland Shipping, Russia</i> <i>Hannu Oja Konecranes</i> <i>Anton Semenov Admiral Makarov State University of Maritime And Inland Shipping, Russia</i>	<i>Lixon Samuel University of Antwerp</i> <i>Christa Sys University of Antwerp</i> <i>Tom Van Woensel Eindhoven University of Technology</i>	<i>ANN Jente VERHETSEL HERTOGHS UNIVERSITY OF ANTWERP UNIVERSITY OF ANTWERP</i>
	Advanced technologies and handling automation in a container port with a view to efficiency and environmental sustainability	Spillovers in Tanker freight markets	Enabling Policies for the Leasing of Container Ports and the Capital Costs of Land-side Port-related Infrastructure to Support Maritime Port Expansion: The Case of Port Botany, Australia
	<i>Domenico Gattuso Mediterranea University of Reggio Calabria</i> <i>Gian Carla Cassone Mediterranea University of Reggio Calabria</i> <i>Domenica Savia Pellicanò Mediterranea University of Reggio Calabria</i>	<i>Bangar Raju Totakura University of Petroleum and Energy Studies</i> <i>Rishabh Gupta University of Petroleum and Energy Studies</i> <i>Nikhil Kulshrestha Doon Business School, Dehradun</i>	<i>John Black UNSW, Sydney</i> <i>Violeta Roso Chalmers University of Technology</i>
	An Evaluation of First-Come, First-Served Scheduling in a Geometrically-Constrained Wet Bulk Terminal	THE ISSUE OF SHIP RECYCLING AND THE ROLE OF SHIP DEMOLITION IN THE CURRENT BULK SHIPPING BUSINESS	Port cluster initiatives as an opportunity for minimizing the transport costs of small-scale LNG distribution chains: an application to the Mediterranean case
	<i>Heleen Eisen Vrije Universiteit Amsterdam</i> <i>Joachim van der Lei Vrije Universiteit Amsterdam</i> <i>Joost Zuidema Port of Amsterdam</i> <i>Thomas Koch Centrum Wiskunde & Informatica (CWI)</i> <i>Elenna Dugundji Vrije Universiteit Amsterdam / CWI</i>	<i>Spyros Vougiouk Alba, The American College of Greece,</i> <i>Christa Sys University of Antwerp</i> <i>Thierry Vanelstander University of Antwerp</i>	<i>Paolo Fadda University of Cagliari</i> <i>Gianfranco Fancello University of Cagliari</i> <i>Simona Mancini University of Klagenfurt</i> <i>Patrizia Serra University of Cagliari</i>
1.45pm – 2pm	Refreshment break – wonder.me		
2pm – 3pm	Plenary session: panel discussion jobs/training		
	<i>Christa Sys</i>		
	<i>Xin Shi</i>		
	<i>Hilda Ghiara</i>		
3pm – 3.15pm	Refreshment break – wonder.me		
	Ports session: RESILIENCE	Maritime session: NETWORKS	Chain / Hinterland session: COLLABORATION
	Chair: Cassia Galvao	Chair: Spyros Vougiouk	Chair: Wouter Verheyen
	Steward: Loghman Boukani	Steward: Majid Mohaseni	Steward: Jeffrey Willems
3.15pm – 4.30pm	100% Operational! An organizational resilience perspective on ports as critical infrastructures.	Maritime services and worldwide strategies of container ships operators during the 2018-2019 period.	Loyalty and retaliation in container freight tender management - an agent based approach.
	<i>Niels Vanlaer Port of Antwerp</i> <i>Sascha Albers University of Antwerp</i> <i>Steven van den Oord AMS</i> <i>Hugo Marynissen AMS</i>	<i>Kerbiriou Ronan Université Le Havre Normandie</i> <i>Joly Olivier Université Le Havre Normandie</i> <i>Serry Arnaud Université Le Havre Normandie</i>	<i>Hans Joachim Schramm WU Wirtschaftsuniversität Wien</i> <i>Roy Jacob Huisman WU Wirtschaftsuniversität Wien</i>
	Pandemic and port operations in the EU: e legal analysis	Visualizing maritime connectivity at national level: the case of LSBCI links of West European countries	Multi-Scenario policies assessment on empty container repositioning: Towards a sustainable transport in Egypt



	<i>Francesco Munari University of Genoa</i>	<i>David Guerrero Université Gustave Eiffel, Ifsttar, Ame-Splott Patrick Niérat Université Gustave Eiffel, Ifsttar, Ame-Splott Jean-Claude Thill University of North Carolina at Charlotte Emmanuel Cohen Université Gustave Eiffel, Ifsttar, Ame-Splott</i>	<i>Yasmine Rashed Arab Academy for Science, Technology and Maritime Transport, Egypt Karim Soliman Arab Academy for Science, Technology and Maritime Transport, Egypt Mohamed Atwa Atwa COSCO SHIPPING Lines (EGYPT) S.A.EK.Ari</i>
	Enhancing Flood Resilience of Critical Infrastructure Systems: Lessons from the Port of Rotterdam	Ship technology transition and maritime trade network	Territorial continuity in relation to restrictive measures aimed at containing the epidemic and their consistency with the indications of the European Union
	<i>Eline Punt Technische Universität Darmstadt Jochen Monstadt Utrecht University Patrick Witte Utrecht University Sybille Frank Technische Universität Darmstadt</i>	<i>Hidekazu Itoh Kwansai Gakuin University Cesar Ducruet French National Center for Scientific Research</i>	<i>Chiara Tincani University of Verona Italy</i>
	Pandemics and Ports: Modeling the effects of a pandemic on coastal maritime ports' throughput of petroleum and liquified natural gas in Canada and the United States	Improving Liner Shipping Connectivity Index (LSCI) of Bangladesh to Increase Market Share in the International Shipping	The potential for crude oil buyer collaboration and shipping emission reduction
	<i>Camilla B. Bosanquet Bosanquet George Mason University</i>	<i>Razon Chandra Saha Bangladesh University of Professionals</i>	<i>Haiying Jia Norwegian School of Economics Mario Guajardo Norwegian School of Economics Roar Adland Norwegian School of Economics</i>
4.30pm – 4.45pm	Refreshment break – wonder.me		
4.45pm – 5.45pm	Ports session: SUSTAINABILITY	Maritime session: CAPACITY	Chain / Hinterland session: MULTIMODALITY
	<i>Chair: Marcella De Martino</i>	<i>Chair: César Ducruet</i>	<i>Chair: Martijn Van der Horst</i>
	<i>Steward: Lixon Samuel</i>	<i>Steward: Noemi Van Meir</i>	<i>Steward: Peter Shobayo</i>
	The Little Ship that Got Away: Small Vessel – Big Impact	CAPACITY UTILISATION IN LINER SHIPPING	Italian intermodal logistics corridors: the cargo point of view
	<i>Elyakim BenHakoun Technion - Israel Institute of Technology Eddy Van De Voorde University of Antwerp Yoram Shifan Technion - Israel Institute of Technology</i>	<i>Violeta Roso Chalmers University of Technology Ceren Altuntas-Vural Chalmers University of Technology Sara Rogersson SSPA Sweden AB Vendela Santén SSPA Sweden AB Christian Finnsgård SSPA Sweden AB</i>	<i>Claudio Ferrari University of Genoa Luca Persico University of Genoa Alessio Tei University of Genoa</i>
	Sustainability Performance of Port Infrastructure	Capacity Allocation in Container Shipping Considering Empty Containers and Uncertain Demand	Port of Gdynia strategic planning in light of multimodality challenges in transport & logistics.
	<i>Poonam Taneja Delft University of Technology G.P. van Rhede van der Kloot MTBS Mark van Koningsveld Delft University of Technology</i>	<i>Ercan Kurtulus Karadeniz Technical University</i>	<i>MICHAŁ TUSZYŃSKI PORT OF GDYNIA AUTHORITY</i>
	THE UTILITY AND RELEVANCE OF PORT GREENING ISSUES AND SOLUTIONS: DISCRETE CHOICE ANALYSIS INVESTIGATION ON ENVIRONMENTAL PARAMETERS AFFECTING CONTAINER SHIPPING COMPANIES' BEHAVIOURS	Reducing Anchorage in Ports: Changing Technologies, Opportunities and Challenges	An innovative simulation agent-based model for the combined road-sea transport as a Decision Support System
	<i>Lorenzo Franchi University of Rome La Sapienza Thierry Vanelslander University of Antwerp</i>	<i>Trevor Heaver University of British Columbia</i>	<i>Stefano Carrese University of Roma Tre Marco Petrelli University of Roma Tre Alessandra Renna University of Roma Tre Michele Valentini University of Roma Tre</i>

