



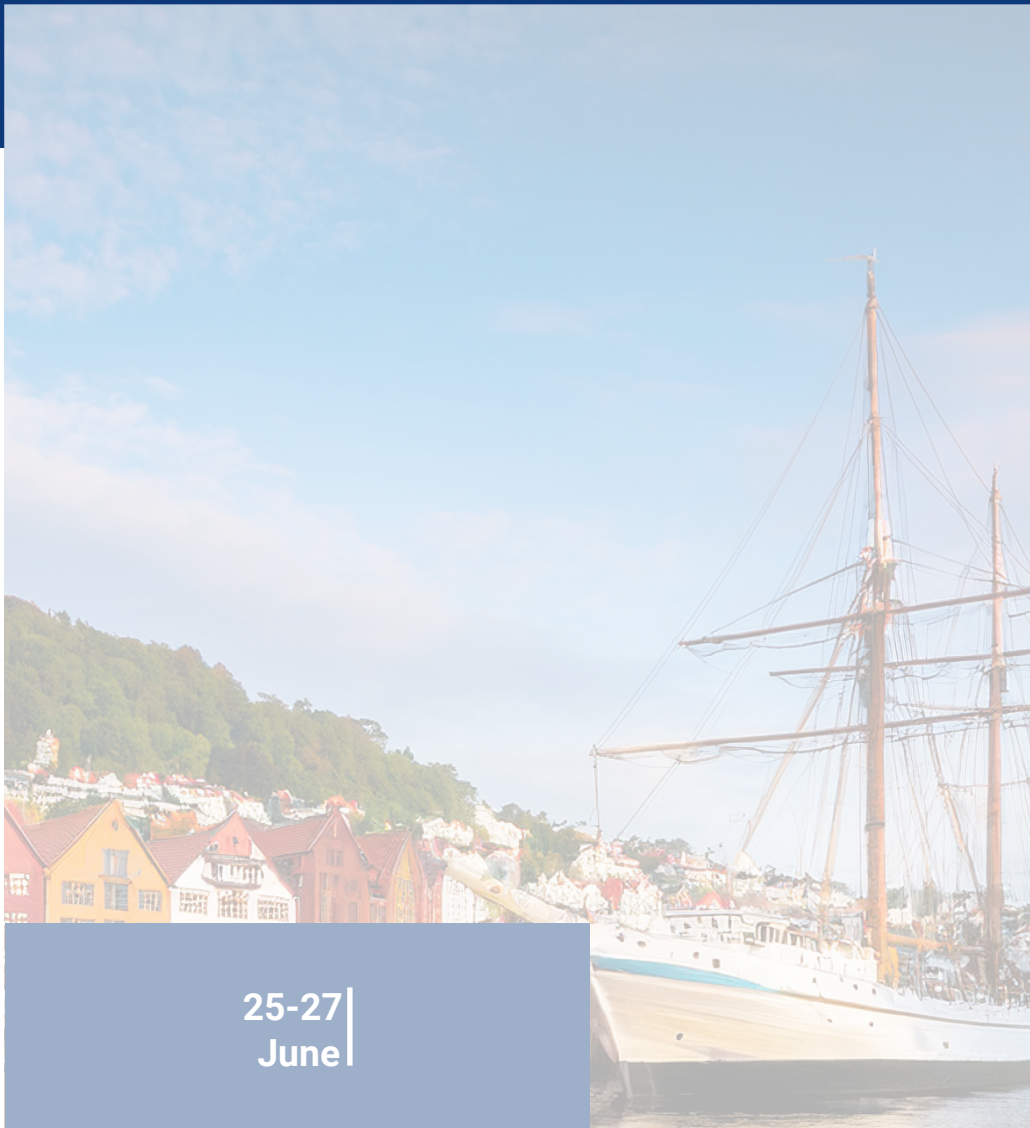
IAME 2025
BERGEN, NORWAY

Conference program



International
Association of
Maritime
Economists

NHH



25-27
June

www.iame2025.com

NHH Maritime heritage



NHH meets maritime

Our maritime tradition dates back to the school founding, which was made possible by a generous grant from shipowner and Statsråd (Cabinet Minister) Kristoffer Lehmkuhl (1855-1949).

Our goal

By hosting the event in Bergen, we spotlight the region's commitment in addressing present and future maritime challenges, further emphasizing our academic and industry collaborations. Moreover, we look forward to drawing and sharing rich experiences from our distinguished attendees.

Our slogan

IAME 2025 Conference: Exploring the Economic, Digital, and Sustainable Horizon for Modern Shipping

WELCOME



Professor Haiying Jia

IAME 2025 Conference Chair

MESSAGE

Dear friends and colleagues,

It's a great honour to host the IAME Annual Conference at the Norwegian School of Economics, a school with a proud and longstanding tradition in maritime economics.

At a time when the world is facing profound challenges marked by conflicts, idealism, rising nationalism, and what many describe as a "triple transition" in the global economy – digital, green, and geopolitical – we are especially fortunate to remain part of a strong and stable community like the International Association of Maritime Economists.

It is through gatherings like this that we return to our anchor. Here we find support and recognition, share insights, offer encouragement, and inspire one another.

May you find peace in this beautiful Scandinavian landscape and breathe deeply in the fresh, open air. May this week be a rewarding journey of learning, sharing, and connecting – with others and yourselves.

Have a wonderful time.

Warm regards

Organizing committee

Academic

Haiying Jia	Conference Chair
Siri Pettersen Strandenes	Professor Emeritus
Julio Goez	Chair of Scientific Committee
Gabriel Fuentes	Conference Director
Stein W. Wallace	Head of Centre for Shipping and Logistics
Mario Guajardo	Professor
Sigvald Sveinbjørnsson	Director of Maritime Bergen
Ziaul Haque Munim	Professor (USN)
Gunnar Eskeland	Director of Energy and Climate research
Vegard Enerstvedt	PhD Candidate

Administrative

Natalia Flórez	Centre for Shipping and Logistics
Cecilie Prestø-Lauvås	NHH Service Centre
Frode Øyerhamn	NHH Service Centre
Endre Adolfsen	NHH Service Centre

Scientific committee

Jonas Andersson	Norwegian School of Economics (NHH)	Paul Tae-Woo Lee	Zhejiang University
Xiwen Bai	Tsinghua University	Julián Martínez Moya	Universitat de València
Pierre Cariou	KEDGE Business School	Qiang Meng	National University of Singapore
Mihalis Chasomeris	University of KwaZulu-Natal	Ziaul Haque Munim	University of South-Eastern Norway
Zhong Shuo Chen	Xi'an Jiaotong-Liverpool University	Cosku Can Orhan	Norwegian School of Economics (NHH)
Jonas Mendes Constante	Fundacion Valenciaport	Athanasios Pallis	University of Piraeus
Kevin Cullinane	University of Gothenburg	Harilaos N. Psaraftis	Technical University of Denmark
Michael Dooms	Vrije Universiteit Brussel	Francisco Requena-Silvente	University of Valencia
Claudio Ferrari	University of Genoa	Jean-Paul Rodrigue	Texas A&M University
Cassia Galvao	Texas A&M University	Xiaoning Shi	German Aerospace Center
Lorena Garcia-Alonso	University of Oviedo	Masato Shinohara	Shinohara & Associates
Stephen Gong	Xi'an Jiaotong-Liverpool University	Yaqing Shu	Wuhan University of Technology
Mario Guajardo	Norwegian School of Economics (NHH)	Henrik Sornn-Friese	Copenhagen Business School
David Guerrero	Université Gustave Eiffel	Siri Pettersen Strandenes	Norwegian School of Economics (NHH)
Elvira Haezendonck	Vrije Universiteit Brussel	Theodoros Syriopoulos	National and Kapodistrian University of Athens
Hercules Haralambides	Erasmus University Rotterdam	Lóri Tavasszy	TU Delft
Jan Hoffmann	World Bank	Beatriz Tovar	University of Las Palmas de Gran Canaria
Haiying Jia	Norwegian School of Economics	María Feo Valero	UVEG
Liping Jiang	Copenhagen Business School	Thierry Vanellander	University of Antwerp
Stavros Karamperidis	University of Plymouth	Zhaojun Wang	Smithsonian Environmental Research Center
Manolis Kavussanos	Athens University of Economics and Business	Wei Yim Yap	Singapore University of Social Sciences
Christos Kontovas	Liverpool John Moores University	Dong Yang	The Hong Kong Polytechnic University
Jasmine Siu Lee Lam	Technical University of Denmark	Vera Zhang	Australian Maritime College, University of Tasmania

KEYNOTE SPEAKERS



Professor Emeritus
Siri Pettersen Strandenes
NHH

Topic
Historical Developments in Maritime
Economics at NHH



Director, Global Purchasing
Environmental Sustainability
Suzanne Greene
DOW

Topic
Tackling Scope 3 Emissions for a
Greener Supply Chain



Chief (a.i.), Trade Logistics Branch and
Chief, Policy and Legislation Section
Regina Asariotis
UNCTAD

Topic
Climate Change and Its impacts on
International Trade

We are proud to present a distinguished lineup of keynote speakers, representing diverse perspectives from academia, industry, and policy. We hope their talks will inspire new ideas, critical discussions, and meaningful connections throughout the conference.

Our sincere thanks to our sponsors



CITY OF
BERGEN



Norges
Rederiforbund
Norwegian
Shipowners'
Association

SNF



CENTRE FOR APPLIED RESEARCH AT NHH

CENTRE FOR
SHIPPING
AND LOGISTICS



AXSMarine



The Research
Council of Norway

and the support of



BERGEN



AGENDA

IAME 2025			
Time	Tuesday June 24th (Pre Conference)	Wednesday June 25th	
07:30-08:00			
08:00-08:30	(0800) Registration open	(0800) Registration open	
08:30-09:00			
09:00-09:30	(0900) PPRN Aud P	(0900) Opening ceremony Aud Max	
09:30-10:00		(0900) PhD Workshop AIS session Aula	
10:00-10:30		(1000) Keynote speech - Siri Pettersen Strandenes (45 mins) Aud Max	
10:30-11:00		(1045) Break 15mins	
11:00-11:30	(1130) Lunch Aula	(1100) Keynote speech - Suzanne Greene Aud Max	
11:30-12:00		(1145) Lunch Student Canteen	
12:00-12:30	(1230) PPRN Aud P	(1230) Parallel sessions (90 mins) WA	
12:30-13:00			(1230) MEL PhD Award Aud Q
13:00-13:30			
13:30-14:00	(1400) PhD's and Young Scholar seminar Aula	(1400) Break 15mins	
14:00-14:30		(1415) Parallel sessions (60 mins) WB	
14:30-15:00		(1515) Break 15mins	
15:00-15:30		(1530) Parallel sessions (60 mins) WC	
15:30-16:00		Finish 1630	
16:00-16:30	(1530) IAME Council Meeting Aud Q		
16:30-17:00			
17:00-17:30			
17:30-18:00			
18:00-18:30	(1800) Welcome reception at Håkonhallen	(1800) Fjord Tour w/ snacks at city center Departure: 1800 Return: 2100 at Strandkaiterterminalen	
18:30-19:00			
19:00-19:30	(1900) PhD afterhour networking session at Statsraaden (by invitation)		
19:30-20:00			
20:00-			

Thursday June 26th		Friday June 27th	
(0800) Registration open	(0800) Registration open	(0830) Parallel sessions (90 mins) TA	(0900) Parallel sessions (90 mins) FA
(1000) Break 15mins	(1030) Break 15mins	(1015) Parallel sessions (60 mins) TB	(1045) Parallel sessions (90 mins) FB
(1115) Break 15 mins	(1215) Lunch Student Canteen	(1130) Keynote speech - Regina Asariotis Aud Max	(1215) Lunch Student Canteen
(1215) Lunch Student Canteen	(1300) Parallel sessions (90 mins) TC	(1300) Parallel sessions (90 mins) FC	(1300) Parallel sessions (90 mins) FC
(1430) Break 15mins	(1430) Break 15mins	(1445) Parallel sessions (90 mins) TD	(1445) IAME Annual General Meeting, Awards & Closing Conference Aud Max
(1930) Conference Dinner at Spisen (Griegshallen)			

- IAME related
- Conference related
- Networking

Parallel sessions from Aud:
Q, P, O, N, M, I, H, G, F

**Use the Dryfta App
to keep track of
your sessions**

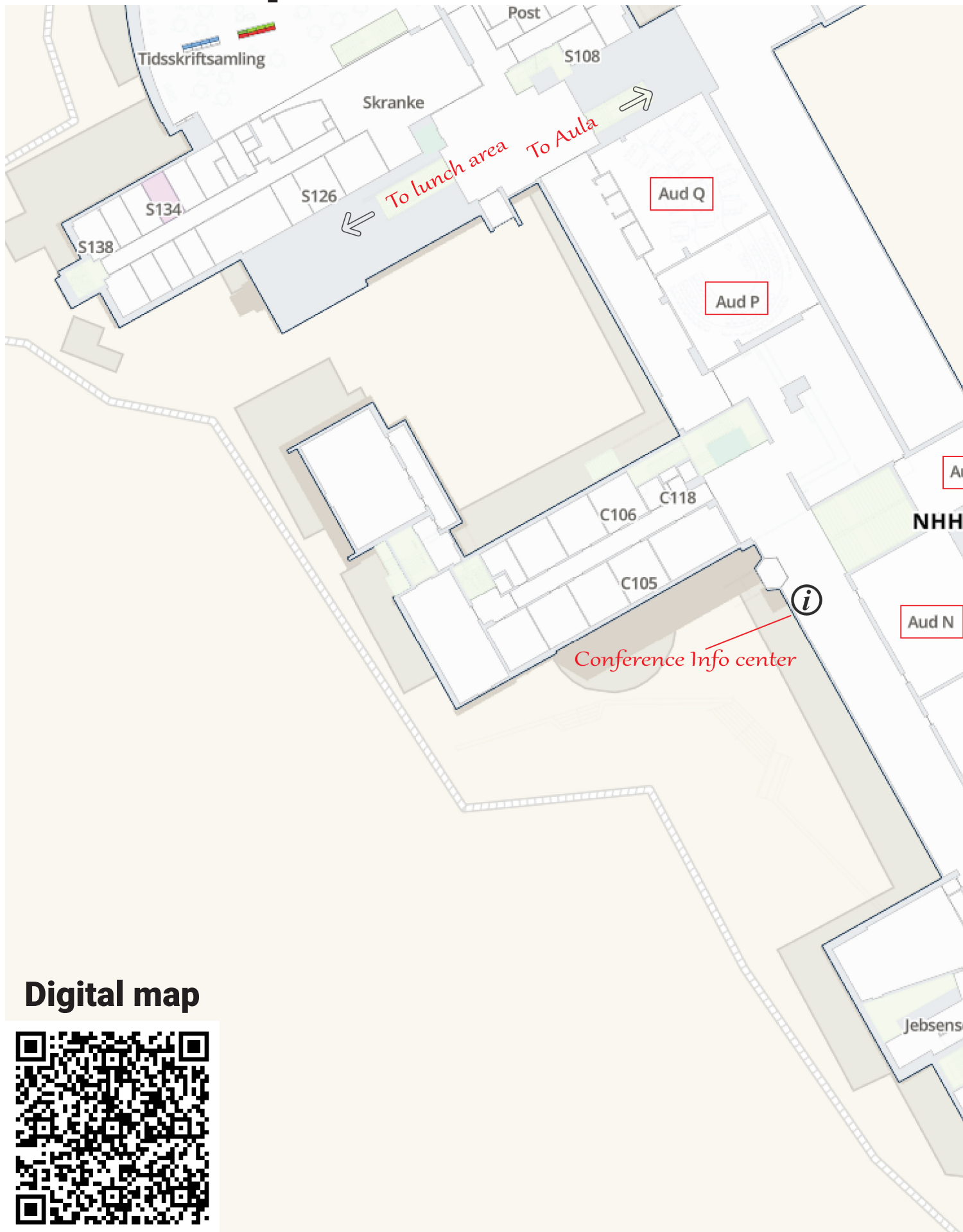
Apple store



Android

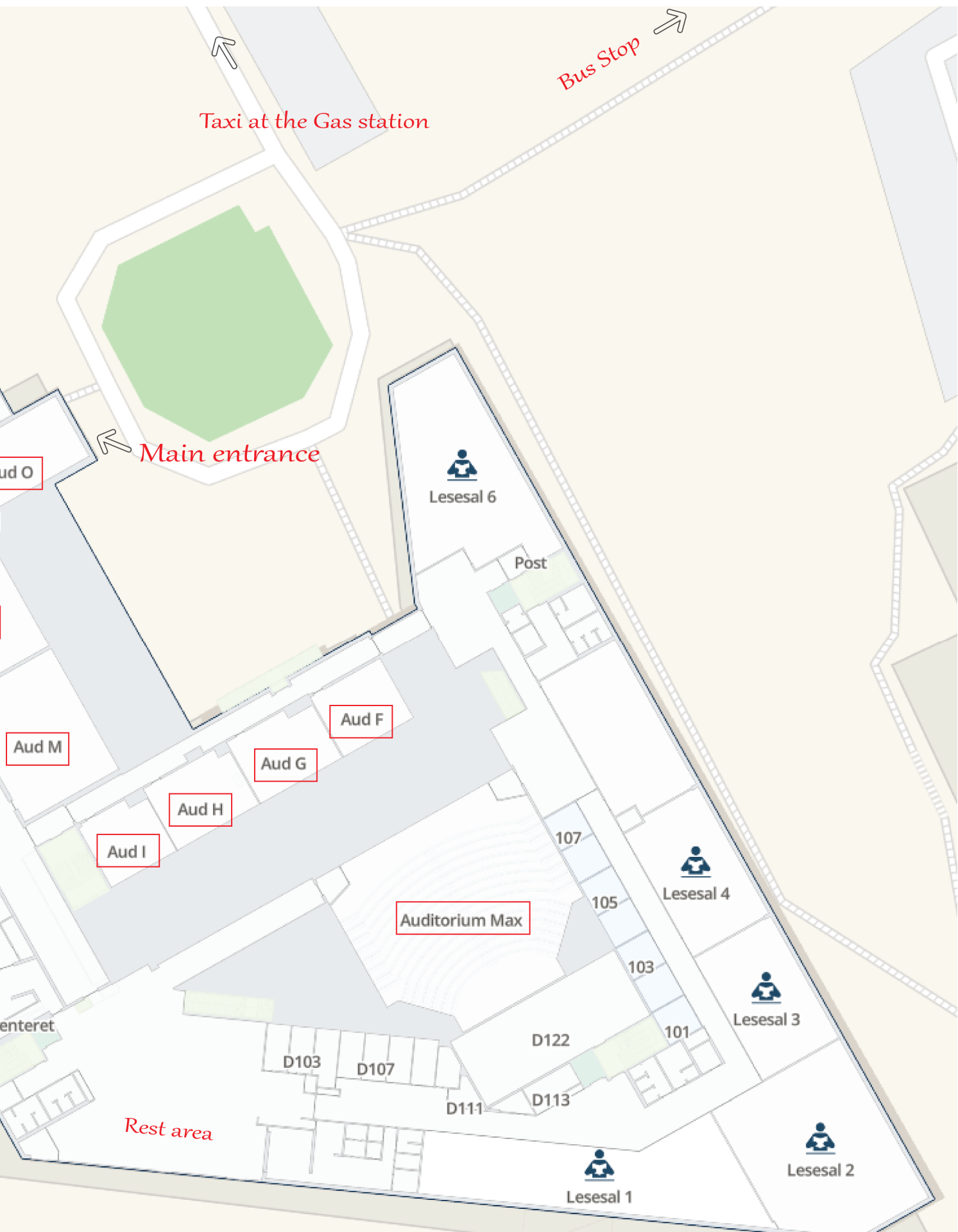


NHH Map



Digital map





Taxi at the Gas station

Bus Stop

Main entrance

Lesesal 6

Post

Aud F

Aud M

Aud G

Aud H

Aud I

Auditorium Max

107

105

Lesesal 4

103

Lesesal 3

D122

101

enteret

D103

D107

D111

D113

Rest area

Lesesal 1

Lesesal 2

Young Research Scholars Workshop

Aula

June 24th

14:00 - 17:00

Title	Speaker	Abstract book page
Incorporating FRAM and BM into SAFETY-II principles for proactive risk assessment in seaports	Massoud Mohsendokht	70
Technology evolution in Maritime Autonomous Systems: A Patent-Based Analysis	Mehdi Belabyad	1
The Cost of Weather: Modeling Weather Delay in Bulk Shipping	Vegard Enerstvedt	37
Assessing digitalization factors in maritime container shipping using the Bayesian Best-Worst method	Mahmut Mollaoglu	-
Decoding the Dynamics of Port Automation: a Systematic Literature Review	Obbie Hadrian	84
Identifying Supply Chain Actors' barriers to implementing synchromodality through an operation perspective	Mylena C. Rodrigues De Jesus	-
Bottlenecks and Corkscrews: Macroeconomic Perspectives on Maritime Supply Chain Disruptions	Alessandro Nava	-
On the political economy of policy reform: The case of Nigeria's maritime port reform	Adekola Oyenuga	-

Jury

Cassia Galvao

Texas A&M University

Paul Tae-Woo Lee

Zhejiang University

Ziaul Haque Munim

University of South-Eastern Norway

Ran Yan

Nanyang Technological University

Submissions book

The full papers and extended abstracts of participants who agreed to share their work are now compiled in a separate document that complements this book. You can access this supplementary volume and explore the participant contributions through the restricted access system outlined below.

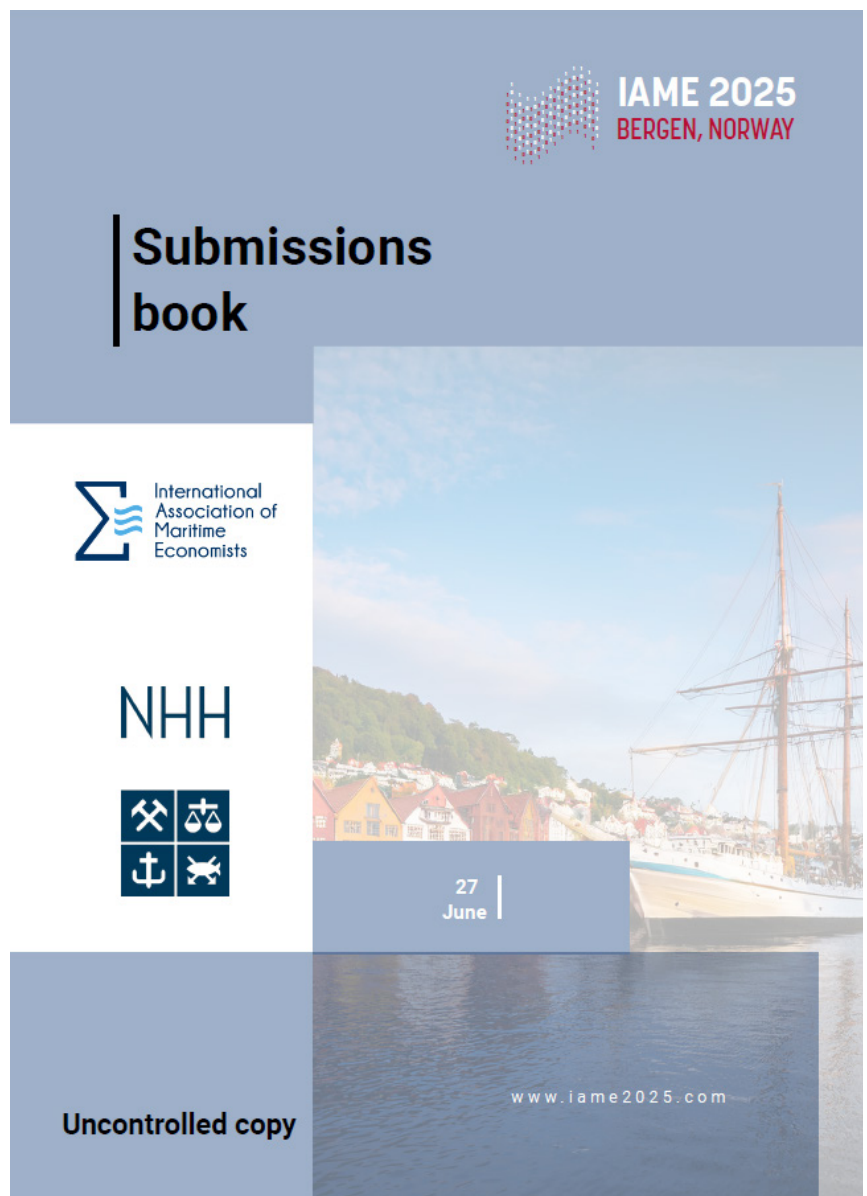
Title	Speaker	Abstract book page
-------	---------	--------------------



You can access the submissions book through your Dryfta Dashboard, visiting:

<https://iame2025.dryfta.com/sub-book>

The page index for the full documents included in the submissions book is provided in this column on each session summary page.



Parallel sessions

We've done our best to group sessions by related topics and to assign tracks and time slots with due consideration for both thematic coherence and speaker availability, while trying to fix special requests. This process combined mathematical optimization, AI-driven clustering, and manual refinements.

LOGIC

Tracks

Tracks were made to group sessions by topic. For example, if you're interested in Maritime Economics, we've arranged related sessions so they don't overlap—making it easier for you to attend them all.

Special Sessions

Under request we have created tracks and sessions specific to the [Special Issue for Journal of Geography and Trade: Drivers of Path Dependence and Change in Port Hinterlands: Towards Resilient and Decarbonized Supply Chains](#) and for the [Special Session: Smart Solutions for Climate-Resilient Port and Maritime Port Systems](#)

Sessions either Full Papers or Extended Abstracts

Sessions are separated into sessions of Full Papers or sessions of Extended Abstracts to ensure clarity and better time management.

Extended Abstracts :15 minutes, including Q&A

Full Papers : 20 minutes, including Q&A.

Preparation

Speakers are kindly asked to arrive at least 10 minutes before their session and load their presentation onto the room's computer using a USB stick provided by the organizers and available at the rooms.

Moderators are kindly requested to ensure sessions run on time.

NOTATION

D-T-F-R

Day-Time-Format-Room

Each presentation is assigned to a parallel session identified by four letters: Day (D), Time Slot (T), Format (F), and Room (R). To find when and where you are presenting, simply refer to this DTFR code.

Example

TAEQ

T	Thursday The presentation is scheduled for Thursday 28th of June. Some other options are Wednesday (W) or Friday (F)
A	Time Slot A The presentation is scheduled for Thursday 28th of June at the time slot A, a session that starts at 0830
E	Format Extended Abstracts Only Extended Abstracts will be presented in this session. Another option is (F) which stands for Full papers.
Q	Auditorium Q The session will be hosted at Auditorium Q. Some other options are: P, O, N, M, I, H, G, F

PARALLEL SESSION | WA

June 25th
12:30 - 14:00

WAFI

Session - Maritime Economics

Track - Maritime Business and Economics

Title	Speaker	Abstract book page
An exploration of the Baltic Dry Index and wheat futures correlation	Vlassis Tsansizis	114
Does voluntary carbon disclosure lead to supply chain leakage: Evidence from U.S. firms' container carbon emissions	Chengkun Li	-
The impact of the EU emissions trading scheme on the dry bulk freight market	Elina Ntantasiou	-
Arctic shipping and global greenhouse gas pricing: A simulation with computational general equilibrium and simple climate model	Trang Tran (Moderator)	-

WAFM

Session - Geopolitics and its impact in trade

Track - Trade economics

Sourcing containerized capacity under geopolitical uncertainty in the U.S. import market	Christopher Dirzka	-
Make waves: Data-driven evidence about the impact of Red Sea crisis on container port efficiency	Mingzheng Liu	137
Shocks-based fluctuations of dry bulk shipping freight rate	Anas S. Alamoush	-
Impact assessment of the Red sea crisis on global maritime logistics: Network analysis and simulations	Ryuichi Shibasaki (Moderator)	166

WAFN

Session - Risk management and resilience for ports and maritime operations

Track - Risks and resilience

Assessing climate vulnerability in maritime trade: an empirical investigation of India's major ports	Bhuvan Arora	-
Utilising container port capabilities for a conceptual framework on container port resilience: A systematic literature review and future research directions	Bong-Keun Choi	206
Structure dynamics and disruption simulation: a framework for China's seaborne oil network	Hanwen Fan	-
Utilization of maritime transport and ports following the 2024 Noto peninsula earthquake in Japan	Taro Aratani (Moderator)	191

PARALLEL SESSION | WA

WAFO

Session - Education and Training

Track - Education and Training

Title	Speaker	Abstract book page
Sustainable initiatives for european shipping competitiveness: the MET-NET network for maritime education and training	Helen Thanopoulou	-
Sustainability in maritime education: Educators' awareness, behavioural change approaches and challenges	Mustafa Taner Albayrak	254
Circular transition in port clusters: The impact on strategic human resources management	Lynn Faut	275
The ship managers and senior officers role in improving operational energy efficiency: A case study of newbuilt dual fuel Newcastlemax bulk carrier	Halvor Schøyen (Moderator)	227

WAFP

Session - Energy Transition at Maritime and Ports

Track - Maritime Decarbonization

Renewable energy in shipping: Decision support for a renewable fuel choice	Jasmine Siu Lee Lam	324
Hydrogen-based fuel as a pathway to maritime decarbonization: Opportunities and challenges for the future of shipping	Seyedvahid Vakili	-
Navigating Climate Risks in Global Shipping: a Holistic Overview for Understanding Multi-dimensional Challenges	Hannah Mosmans	297
Comparative life cycle assessment of hydrogen internal combustion engine and fuel cells in shipping	Zhong Shuo Chen (Moderator)	341

WAFQ

Session - Maritime and Port Analytics

Track - Technology and Analytics

AI-driven sustainable workload coordination for smart maritime supply chains	Tina Ziting Xu	380
A model to predict the role of container ports as gateways, mixed ports, or pure transshipment hubs: The case of Northern Europe and the Mediterranean	Gabriel Bordeaux	-
Global vehicle carrier network and trade analysis using AIS data	Chai Liluxin	362
The role of digitalization in reducing Port State Control deficiencies: A case study of a bulk carrier shipping company	Nikolaos Tsoulakos	-
	Shahrazad Nikghadam (Moderator)	

PARALLEL SESSION | WB

June 25th

14:15 - 15:15

WBFI

Session - Energy Efficiency for Maritime and Ports

Track - Maritime Decarbonization

Title	Speaker	Abstract book page
Managing green transformation of Baltic sea ports: challenges and drivers for energy saving and renewable energy actions	Eliise Toomeoja	423
Decarbonization strategies assessment: FuelEU maritime, EU ETS penalties, and CII rating analysis over a 20 years lifespan	Konstantina Manifava	398
Tracing carbon footprints from vessel footprints: Movement analytics for localized vessel carbon emissions estimation using AIS trajectory data	Paul Jung (Moderator)	-

WBFM

Session - Shipping Finance

Track - Finance

Carbon revenue recycling, the cornerstone of the carbon pricing mechanism within the shipping industry	Peyman Ghaforian Masodzadeh	449
Shipping companies as agents of change: A critical-realist approach to sustainability accounting	Andreas Andrikopoulos	-
Impact of the Poseidon principles on debt financing transactions	Christos Sigalas (Moderator)	469

WBFN

Session - Sustainable Strategies

Track - Sustainability

The evolution of ESG reporting quality in maritime-listed firms: Impacts of decarbonization policies	Xakousti Afroditi Merika	533
Driving sustainability in maritime supply chains: The role of tangible and intangible digital technology resources in eco-process and eco-service innovation	Min Wu	-
Sustainability developments in offshore ports status and drivers for the implementation of sustainability in European offshore wind terminals	Gordon Wilmsmeier (Moderator)	498

PARALLEL SESSION | WB

WBFO

Session - Maritime and Ports Operations Research

Track - Technology and Analytics

Title	Speaker	Abstract book page
Dynamic rescheduling of berth allocation using AIS data and machine learning: A case study of Kaohsiung port	Peiwen Li	612
Multi-port berth allocation and vessel speed optimization between Taiwan's major ports	Yu Chen	639
Network design and refueling station locationing for green maritime corridors and emission trading	Frederik Schulte (Moderator)	590

WBFP

Session - Safety and Security in Maritime and port operations

Track - Safety and Security

Cybersecurity risk mitigation strategies and measures in autonomous shipping	Ziaul Haque Munim	-
A feasibility study on green ship recycling: A case study of the port of East London, South Africa	Nomtha Hadi	685
Maritime cybersecurity risk management: A discussion on current and future regulatory compliance approaches	Christos Kontovas (Moderator)	664

WBFQ

Session - Maritime and Port Analytics

Track - Technology and Analytics

Geospatial resilience of shipping alliances: Navigating the Red sea crisis	Xiang Yue	717
Unleashing data power: driving maritime risk analysis with Bayesian networks	Hanwen Fan	-
Economic risk assessment for the owners of underwater marine infrastructure when vessels damage their property through illegal activities- with special reference to arrest of vessels	Peter Ivar Sandell (Moderator)	750

PARALLEL SESSION | WC

June 25th

15:30 - 16:30

WCEN

Session - Technology integration in maritime and ports operations

Track - Technology and Analytics

Title	Speaker	Abstract book page
Assessing cost-effectiveness of federated learning-based demand forecasting in warehouse digital twin system with zero trust architecture	Stephen Rakoma	-
Positive impact of smart containers on the logistics chains: An empirical survey	Alessio Tei	767
Extending UTAUT through maritime technology dependencies: A study of heavy-lift vessel crane failures and user acceptance	Marco Poisler	762
The value of en-route charging scheduling in automated container terminals	Hao Lang (Moderator)	-

WCEO

Session - Risk management and resilience for ports and maritime operations

Track - Risks and resilience

Climate risk analysis: Uncertainty modelling	Zaili Yang	-
Climate change and Greek ports: Investigating the perception of stakeholders	Katerina Karditsa	774
How do extreme events affect shipping strategies? The dual role of an extreme environment	Vangelis Tsioumas	786
Reducing the environmental footprint of cruise ships during normal operations: A fuzzy multi-criteria approach	Ioannis Theotokas (Moderator)	791

WCEP

Session - Safety and Security in Maritime and port operations

Track - Safety and Security

A proactive navigation risk detection model based on electroencephalogram and vessel trajectory data	Yusheng Zhou	816
A system theoretic quantitative risk assessment for port ammonia bunkering operations	Siqi Wang	-
Investigation of blockchain for cybersecurity in maritime autonomous surface ships	Chia-Hsun Chang	-
Port security management strategies for international commercial ports: An internal stakeholders perspective	Chia-Hsun Chang (Moderator)	807

PARALLEL SESSION | WC

WCEQ

Session - Maritime and Ports Operations Research

Track - Technology and Analytics

Title	Speaker	Abstract book page
Optimizing port investment decisions: an M/G/c model approach with environmental and regional considerations	Ah-Hyun Jo	824
An information governance framework for sustainable development in port concession agreements	Matthew Damigos	834
Maritime Spatial Planning and EU ports: Environmental Considerations from a governance perspective	Charalampos Platias	844
Do nationalities matter? Cruise passengers and crew spending patterns and destination assessments	Athanasios Pallis (Moderator)	852

PARALLEL SESSION | TA

June 26th

08:30 - 10:00

TAEQ

Session - JTG SI: Drivers of Path Dependence and Change in Port Hinterlands

Track - JTG SI: Drivers of Path Dependence and Change in Port Hinterlands

Title	Speaker	Abstract book page
Transport mode decisions in intermodal supply chains: Critical success factors and challenges	Katelyn Tahaney	-
Resilience in inland shipping: A network analysis of the Rhine-Alpine corridor under global disruptions	Felipe Bedoya Maya	-
Can ports leverage the adoption of low-carbon energy technology for trucks? Exploring the port's potential for facilitating hinterland transport decarbonisation.	Jonathan Schmid	979
Port-centric energy hubs: Comparative insights into decarbonization and industrial symbiosis in European ports	Viktoriiia Koilo	998
Port regionalization revisited: Academic insights and port practices	Theo Notteboom (Moderator)	991

TAEP

Session - Education and Training

Track - Education and Training

Maritime Autonomous Surface Ships (MASS) from seafarers' perspective	David Guerrero	941
Self-perceived impact of digital information literacy and AI tools on maritime university studies	Matthew Damigos	957
Training and competency gaps for shipping decarbonization in the era of disruptive technology: The case of Latin America	Javier Diaz	967
Navigating the future: South African ship officers' perceptions and adaptation strategies for Maritime Autonomous Surface Ships	Tshepo Ramonyaluoe	948
An application of k-nearest neighbor algorithm in navigation simulation training assessment	Ziaul Haque Munim (Moderator)	-

TAEQ

Session - Technology integration in maritime and ports operations

Track - Technology and Analytics

The role of data-driven digital capabilities in enabling green technological innovation in shipping	Tze Xuan Ong	-
Digital technologies for efficient and resilient sea-land logistics: IT-based decision support systems to manage highway capacity of major gateway ports	Francesco Parola	921
Rethinking technology adoption in maritime ecosystem: The influence of relational determinants	Lorenzo Franchi	931
Does digitalization always improve logistics chain efficiency? A transaction cost economics perspective	Gang Chen (Moderator)	-

PARALLEL SESSION | TA

TAEN

Session - Port economics, competitiveness and governance

Track - The Wayne K. Talley track in Port Economics, competitiveness and governance

Title	Speaker	Abstract book page
Marketing relationships for supporting value co-creation processes in port authority management: A multiple case study.	Giuseppe La Ragione	912
Appraising the influence of port-related institutions on the competence and credibility of port reforms	Adekola Oyenuga	902
Private sector involvement in the provision of port services in Greece: Time-honored harmonization with European trends	Markos Tozidis	894
Why certain port cities are chosen as sea-air freight transit hubs? A case study of Kuehne+Nagel and DB Schenker	Yonglei Jiang	-
Social parameters in port concession agreements. A proposed framework towards port social sustainability	Petros Pallis (Moderator)	-

TAEM

Session - Geopolitics and its impact in trade

Track - Trade economics

Assessing the effects of trade disruptions in the strait of Malacca on the Japanese economy	Thomas Ramminger	870
In the middle of the Mediterranean sea: Effects of the Red sea crisis on Italian ports	Fabio Cremaschini	878
Assessing sectoral vulnerability to non-tariff protectionist measures: A case study of Valenciaport	María Soler De Dios	885
Legal stipulations in chartering contracts as an effect of geopolitical tensions	Anastasia Ganelli	-
The impact of Russia-Ukraine war on global maritime petroleum trade network	Zhenming Wu (Moderator)	-

TAEI

Session - Maritime Economics

Track - Maritime Business and Economics

Assessing bargaining efficiency for successful transactions: Application to shipping asset markets	Satya Sahoo	863
Estimating reservation prices in bilateral bargaining: Evidence from the containership freight market	Jaeung Cha	-
Economic incentives for ships using alternative fuels at a fleet level	Junya Otani	-
Capital structure and cost behavior of shipping firms	Vasilios Christos Naoum	-
The effect of irrational beliefs on shipping freight markets	Koichiro Tezuka (Moderator)	858

PARALLEL SESSION | TB

June 26th

10:15 - 11:15

TBFQ

Session - JTG SI: Drivers of Path Dependence and Change in Port Hinterlands

Track - JTG SI: Drivers of Path Dependence and Change in Port Hinterlands

Title	Speaker	Abstract book page
From coal to green steel: The role of circular economy precincts for sustainable port diversification	Veronica Schulz	1214
Mapping modal shift opportunities: An ecosystem approach to revitalising underutilised	Kristoffer Kloch	1276
Integrating circular economy principles in small-peripheral ports: A case study of Badas port	Jean-Paul Rodrigue (Moderator)	1249

TBFP

Session - Maritime Business and Strategy

Track - Maritime Business and Economics

Ex-post evaluation of the North Sea Seca's stringent SOx limits on shipowners' strategies. Shipowners adaptation strategies.	Alice Thébault	-
Maritime alliances and the end of the consortia block exemption regime: Paradigm shift or business as usual?	Laurent Fedi	1194
Analysis of maritime supply chain low-carbon collaboration based on evolutionary game	Lequn Zhu (Moderator)	1163

TBFO

Session - Sustainable Strategies

Track - Sustainability

Systematic review of ferry decarbonization in the maritime sector	Kadi Kasepõld	1112
Alternative technologies' role in fast ferries' accomplishment with European green deal regulations	África Marrero Del Rosario	1139
Circular logistics strategies in ports: Enhancing sustainability and achieving net zero emissions	Jasmine Siu Lee Lam (Moderator)	1098

PARALLEL SESSION | TB

TBFN

Session - Energy Transition at Maritime and Ports

Track - Maritime Decarbonization

Title	Speaker	Abstract book page
How to reduce transport emissions with alternative fuels and power systems - An optimization approach on a transport chain level	Tomi Solakivi	-
Green shipping corridors potential in Northern Europe: A framework for pre-feasibility studies	Kamalakkannan Sivapirakasam	1055
When will we admit that maritime transport will not be decarbonised by 2050?	Jason Monios (Moderator)	1079

TBFM

Session - Contemporary Issues in Port management and logistics

Track - Port management

Mapping the human impact of automation in container terminals: Challenges and opportunities	Alessio Tei	1031
ESG disclosure as a proxy of port corporate communication and sustainable management strategy: An LDA approach	Michael Tsatsaronis	1006
Quantifying the total logistics cost in ports and their hinterland from the users' perspective: An empirical analysis	Wei (Vera) Zhang (Moderator)	-

TBFI

Session - Resilience and Transformation in Global Maritime Trade

Track - Trade economics

Is there anyone here who is not an alien? Invasive species, trade and ships	Florian Lafferrere	-
Will letters of credit survive in digital trade era? An evolutionary analysis of credit guarantees in banking and digital platform	Yi Xiao	1360
Analysing port operations risk based on impact of extreme weather events for European ports	Myo Aung (Moderator)	1320

PARALLEL SESSION | TC

June 26th

13:00 - 14:30

TCFQ

Special Session: Smart Solutions for Climate-Resilient Port and Maritime Transport Systems

Track - Climate

Title	Speaker	Abstract book page
An eco-friendly approach for the utilization of dredge spoil resources: A case study on ports in China	Ran Zhou	1798
Digital twin as a tool improving reliability of the inland waterway transport in cooperation with port calls by water level prediction	Ernest Czermanski	1815
Optimizing navigation lock operation when climate change strikes	Floor Bakker	1840
A study on the port resilience and port performance	Taih-Cherng Lirn	-
	Nadia Pourmohammadzia (Moderator)	

TCFP

Session - Port economics, competitiveness and governance

Track - The Wayne K. Talley track in Port Economics, competitiveness and governance

Rate of return regulation used to determine price adjustments of the national ports authority in South Africa: A critique	Mihalis Chasomeris	1774
How reservation and customer ranking mechanism affect efficiency, revenue and fairness in the Panama Canal's transits?	Zhongjun Ma	-
Port technology development theories: A review	Qingyao Li	1756
Should the landlord port authority negotiate concession contracts with terminal operators?	Hsiao-Chi Chen (Moderator)	-

TCFO

Session - Maritime and Port Analytics

Track - Technology and Analytics

Long-term prediction of liquefied natural gas spot freight rates using the gated recurrent unit model	Junseong Kim	1649
Predicting crude oil and bunker prices using deep neural network and dimensionality reduction	Samer Okasha	1693
Machine learning-based short-term forecasting of coal port throughput using AIS data	Yota Sasada	1723
Semi-supervised fishing activity detection using mobility pattern extraction algorithm based on convolutional auto-encoders	Yifan Zhang (Moderator)	1673

PARALLEL SESSION | TC

TCFN

Session - Energy Transition at Maritime and Ports

Track - Maritime Decarbonization

Title	Speaker	Abstract book page
Are multiple ship "fuel" supply chains sustainable?	Alexios Panagiotis Kokkolis	1534
Can renewable fuels power the future of green shipping corridors?-A comparative assessment framework	Jing Wang	1608
Decarbonisation status of Australian ports: Progress and challenges	Navdeep Singh Gill	1560
Impact of alternative fuels on emissions in Panama Canal Operations	Eddie Blanco-Davis (Moderator)	1588

TCFM

Session - Logistics and Supply ChainTrack - Logistics

Shipping capacity rental among competing electric vehicle manufacturers	Lerong Xu	-
Reconfiguration of containerized Asia-Europe supply chain - the impact of upstream consolidation	Ning Lin	1469
Building resilience in fast-moving consumer goods supply chains: A strategic investment perspective	Jasmine Siu Lee Lam	1517
A framework for assessing risks to the strategic autonomy of the maritime logistics hub function	Bart Kuipers (Moderator)	1496

TCFI

Session - Global Trade, theory and Development

Track - Trade economics

Challenging the hypothesis of oriented connectivity in West Africa: Containerization and changes in intra-regional connectivity	David Guerrero	1389
Global economic and environmental impacts of dual disruptions in maritime transport hotspots: A case study of the Panama Canal and Red sea	Yasuhiro Akakura	1404
Resilience of shipping connectivity amidst disruptions to shipping networks	Wei Yim Yap	1426
Container transport connectivity and bilateral trade: An analysis for Latin America	Francisco Requena-Silvente (Moderator)	1444

PARALLEL SESSION | TD

June 26th

14:45 - 16:15

TDEQ

Special Session: Smart Solutions for Climate-Resilient Port and Maritime Transport Systems

Track - Climate

Title	Speaker	Abstract book page
Optimizing quay wall design using digital twin technology and Bayesian updating	Eugene Obrien	-
SYNCO2LOG: An AI-enhanced disruption management platform for resilient port-hinterland transport	Mahnam Saeednia	-
Developing bunkering centers for alternative fuels through collaboration	MoHan Lin	-
Enhancing the resilience of maritime ports against climate change: Developing a resilience index through living labs	Georgios Papaioannou	2000
Key Performance Indicators for an autonomous short sea shipping and inland waterway transport system in Europe: The "SEAMLESS" project	Harilaos N. Psaraftis	-
The role of transfer hubs in climate-resilient port-hinterland connections: Implications for port competition	Nadia Pourmohammadzia (Moderator)	1991

TDEP

Session: Energy Efficiency for Maritime and Ports

Track - Maritime Decarbonization

Wind assisted ship propulsion technologies: Operational conditions to be financially feasible	Cristiam Gil	1969
Modelling the impact of energy efficiency improvements on fuel consumption in the shipping sector: insights from the Middle East and Africa	Ahm Mehbub Anwar	-
Port just-in-time arrival service under carbon pricing: Formation, efficiency, and policy recommendations	Xinyue Pu	-
From force-driven to self-driven: Enhancing carbon intensity compliance via just-in-time arrivals	Liangqi Cheng	1958
Advancing sustainability in the cruise industry: A focus on propulsion systems	Joanna Kizielewicz	-
Exploring the benefits of just-in-time arrival using real-world shipping data: A case study of the port of Singapore	Ran Yan (Moderator)	1981

PARALLEL SESSION | TD

TDEO

Session: Maritime Business and Strategy

Track - Maritime Business and Economics

Title	Speaker	Abstract book page
A comparative analysis of the Greek and Norwegian owned LNG fleet	Christos Bentsos	-
Business strategy of Greek and Norwegian shipowners' in the LNG shipping	Dionysios Polemis	-
Game theoretical analysis of chartering decisions in liner shipping alliances	Tsz Leung Yip	-
Port container yards: A global functional typology	Jean-Paul Rodrigue	1952
Drivers, barriers and implementation challenges of corporate sustainability strategies in shipping	Theodoros Syriopoulos (Moderator)	-

TDEN

Session: Technology integration in maritime and ports operations

Track - Technology and Analytics

The phenomenon of career mobility within modern seafaring labour market: The Greek trends	Ioannis Theotokas	1930
Perception of port sector to artificial intelligence tools implementation	Stavros Karamperidis	-
From connectivity to integration: the AI transformation of sea-shore relations- " the case of Hafnia tankers	Cemile Solak-Fiskin	1939
Social and phenomenological aspects of "onshoring" in maritime and offshore sectors: An anthropological study of oceanic relocations	Cecilie Vindal Ødegaard	-
Advanced Forecasting Models for the Dry Bulk Freight Market: Integrating Traditional and Modern Approaches	Maria Giamouzi	1914
AR applied to ports: opportunities and challenges	Alessio Tei (Moderator)	-

PARALLEL SESSION | TD

June 26th

14:45 - 16:15

TDEM

Session: Port economics, competitiveness and governance

Track - The Wayne K. Talley track in Port Economics, competitiveness and governance

Title	Speaker	Abstract book page
Leveling the playing field or undermining competitiveness? The European Commission's state aid ruling and its impact on Belgian ports	Mychal Langenus	1891
Port competition from the perspective of shipping lines: A comparison of criteria between regional and deep-sea services	Julian Martínez-Moya	-
Regional port competition and foreland connectivity	Christina Myriouni	-
Robustness comparison of goodness-of-fit tests: Noise injection and breakdown point analysis in container terminals	Hwaseop Lee	1905
Road vs. short sea shipping: Are eco-incentives truly supporting environmentally friendly alternatives?- A case study of the Spain-Northern Italy corridor	Julian Martínez-Moya	1899
Stakeholder management in the era of inexorable cruise shipping growth	Michele Acciaro (Moderator)	-

TDEI

Session: Sustainable Strategies

Track - Sustainability

A compliance decision-making mechanism for container ships based on nested logit models	Xinfang Zhang	1857
The scrapping of offshore drilling vessels: An empirical study of the role of the firm in capacity reduction in the cyclical downturn of 2014-2021	George Horsington	-
Design and evaluation of a ship recycling license for sustainable ship dismantling	Kallistheni Kountouri/ Veronica Schulz	1863
Responsibility in the Baltic sea shipping industry: An analysis of shipping companies' online communications	Vappu Kunnaala-Hyrkki	1884
Evaluation the compliance of ships in the Arctic with POLARIS	Yaqing Shu	1875
Valuing externalities of cruise shipping in a contingent valuation framework	Salvador Del Saz-Salazar (Moderator)	-



PARALLEL SESSION | FA

June 27th

09:00 - 10:30

FAEQ

Session - Maritime Business and Strategy

Track - Maritime Business and Economics

Title	Speaker	Abstract book page
Survival analysis of ship lay-up decisions	Yan Wang	2134
Analyzing the determinants of vessel idle behavior in the global shipping market: A zero-truncated poisson regression approach	Le Wu	2141
The effects of port and terminal bargaining power on container liner shipping collaboration dynamics	Mosleh Amiri	2147
Modeling schedule recovery of container liner services and policy simulations using AIS data	Kenta Kowatari	-
Anthropocentric transport planning of ferry services: Developing efficient, resilient and inclusive passenger maritime transport for small islands	Georgios Papaioannou (Moderator)	2157

FAEP

Session - Sustainable Strategies

Track - Sustainability

Optimization of carbon emissions and cost efficiency between China-Europe railway express and maritime shipping	Hao Wang	-
Maritime decarbonization pathways : Trade-off between operational and technical measures	Guewen Heslan	2100
Optimizing bunkering station of alternative fuels for inland waterway transport	Maryam Pourbeirami Hir	2117
Development of a carbon neutrality model for optimising indirect emissions from components in a multilevel bill of materials across transportation operations in product life cycle	Kwok Tung Ling	2125
Green scenarios for maritime transport: Application of non-parametric production analysis for modeling strategic renewal of the Norwegian fishing fleet	Kenneth Løvold Rødseth (Moderator)	2094

FAEO

Session - Energy Transition at Maritime and Ports

Track - Maritime Decarbonization

Transitioning to sustainable maritime transport: Lessons from Norway and pathways for Greece's ferry sector	Maria Lekakou	2072
Exploring the potential of small ports in Latvia, Estonia, and Lithuania for methanol bunkering	Kristine Carjova	2081
Mediterranean maritime decarbonization roadmap: Implementing the 2023 imo Greenhouse gas (GHG) strategy	Seyedvahid Vakili	-
Port energy transition projects: Stakeholder mapping and prioritization through social network analysis and multi-criteria decision analysis	Monica Canepa	-
Green shipping corridors strategic implementation from a trade and investment perspective	Stavros Karamperidis (Moderator)	-

PARALLEL SESSION | FA

FAEN

Session - Maritime and Ports Operations Research

Track - Technology and Analytics

Title	Speaker	Abstract book page
Integrated route and fleet planning: A clustering-based optimization approach for wind propelled vessel deployment	Richard Borggreve	-
Stochastic ship scheduling for emission reduction at the Panama Canal	Torstein Takvam	-
Multiple unmanned surface vehicles pathfinding in dynamic environment	Yuqing Lin	2035
Heading optimization for DP fuel efficiency	Martin Kleppe	2061
Optimizing fleet deployment under the contract of affreightment	Vit Prochazka	2053

FAEM

Session - Logistics and Supply Chain

Track - Logistics

Holistic environmental sustainability in global logistics hubs	Sandy Hassan	-
Towards a classification of the sustainability stances of shipping lines and logistics service providers: An empirical analysis based on corporate disclosure	Hubert Paridaens	2028
Leveraging truck GPS data to identify the modal shift potential from road to inland waterway transport in the short-distance port-hinterland network	Emma Ceulemans	-
Analysis of factors influencing data sharing willingness of stakeholders in the maritime industry under differentiated data ownership structures	Hanyin Zheng	2012
Contributions of imp literature to port strategy: A systematic literature review	Laurent Fedi (Moderator)	2019

FAEI

Session - Global Trade, theory and development

Track - Trade economics

Trade on hold: Measuring the impact of shipping delays with a gravity approach	Casiano Alberto Manrique-de-Lara-Peñate	-
Assessing the economic impact of forced shipping market fragmentation: A two-market equilibrium analysis of Panamax bulk carriers	Koichiro Hayashi	-
Global supply chain disruptions, resilience, and shifting trade patterns	Josh Kirk	-
Maritime cluster and innovation: An empirical study of China	Lu Li	-
Schedule reliability in liner shipping - A quantitative analysis of services connecting China with the east coast of South America and South Africa	Hans Joachim Schramm (Moderator)	2006

PARALLEL SESSION | FB

June 27th

10:45 - 12:15

FBEQ

Session - Energy Transition at Maritime and Ports

Track - Maritime Decarbonization

Title	Speaker	Abstract book page
Toward more sustainable container terminals: Identifying alternative initiatives and calculating total cost of ownership	Wouter Schmidt	-
Promoting green energy transition in shipping: An evolutionary game analysis of green corridors	Haiwei Gu	-
Decarbonizing the shipping industry: A factor market rivalry perspective	Lara Pomaska	2363
Energy transition in export-oriented ports: The case of Saudi Arabia	Ahm Mehbub Anwar	-
Potential competitive advantages of green development for Adriatic-Ionian ports	Stefano Ricci (Moderator)	-

FBEP

Session - Risk management and resilience for ports and maritime operations

Track - Risks and resilience

Modeling vessel decision-making in response to port disruptions using AIS data	Xiang Yue	2315
A metric of global maritime supply chain disruptions: the Global Supply Chain Stress Index (GSCSI)	Jean-Paul Rodrigue	2321
Dynamic multimodal transportation network on Asia-Europe corridors under supply chain disruptions: A competitive assessment	Kwok Tung Ling	2329
Inland waterway transport reliability: An analysis of the events disrupting the Rhine, Main and Danube	Juan Manuel Pulido Guzman	2348
Evolving trends in maritime accidents: A comparative analysis pre- and post-crisis	Huanhuan Li (Moderator)	2338

FBEO

Session - Sustainable Strategies

Track - Sustainability

Shipping circular harmony and carbon accounting: A systematic review and future research agenda	Anum Zaffar	2266
The impact of shippers' characteristics on alternative fuel adoptions in container shipping	Yanan Li	2292
Strategic innovation and technology adoption in shipping: Overcoming uncertainty for competitive advantage	Vendela Santén	2308
A systematic literature review on port resilience: A case of commercial ports in South Africa	Nomtha Hadi	2301
Emissions, freight rates and regulations	Anna Giannopoulou-Merikas (Moderator)	2275

PARALLEL SESSION | FB

FBEN

Session - Maritime Economics

Track - Maritime Business and Economics

Title	Speaker	Abstract book page
Exploring the interrelationships between regional and international freight rates: Ensemble learning approach	Cemile Solak-Fiskin	2220
Fuel consumption estimation considering ship-specific elasticity the case study of harbour craft	Qingyao Li	2243
Assessing the viability and impact of regional shipping services: A systematic literature review	Pratiwi Wuryaningrum	2231
Dry bulk rates prediction under uncertainty in financial markets	Dimitrios Georgoulas	-
The predictive ability of bulk and container freight rates on local macro-economic indicators: Evidence from G-7 and BRICS countries	Joshua Shackman (Moderator)	2254

FBEM

Session - Technology integration in maritime and ports operations

Track - Technology and Analytics

A framework for port call optimization models in different port governance structures: A roadmap for PCO tool implementation	John Antony Kuttikat	2167
Smart port initiatives to seaports in Northern Norway	Ning Lin	2187
Digitalization to drive the green transition of freight flows: Exploring RFID's role in enhancing ports' rail capacity management	Emmelie Gustafsson	2202
Toward port innovation performance management: A methodological assessment of innovation indicators	Mahsa Keshavarz Eshkalag	2211
Key performance indicators and ocean technologies: The case of Remote Inspection Technique (RIT)	Ioannis Lagoudis (Moderator)	2176

PARALLEL SESSION | FC

June 27th

13:00 - 14:30

FCEQ

Session - Global Trade, theory and development

Track - Trade economics

Title	Speaker	Abstract book page
Unrevealing the impacts of Suez Canal blockage and rerouting strategies on the environment, delivery time and costs	Mikhail Strukov	2499
The characteristics of capacity-weighted and distance-weighted international maritime network	Hoshi Tagawa	-
Maritime hub-corridors: Examining the spatial structure in global maritime networks	Hyun Kim	2513
Strategic responses to economic shocks, how shipping firms navigated the US-China trade war	Liping Jiang (Moderator)	-

FCEP

Session - Maritime and Port Analytics

Track - Technology and Analytics

Semantic-driven multi-view periodic-temporal network for predicting vessel traffic flow	Huanhuan Li	2481
LSTM-enhanced adaptive optimisation for container availability and slot allocation in equipment demand and supply fluctuations	Kwok Tung Ling	2491
Ship order book forecasting by an ensemble deep parsimonious random vector functional link network	Ruke Cheng	-
Decarbonization of Maritime Transport: Key Indicators and Impacts of European Regulatory Measures	Riccardo Fava	-
Towards sustainable maritime practices: Predicting shipbuilding and recycling	Siyong Zhu (Moderator)	-

FCEO

Session - Port economics, competitiveness and governance

Track - The Wayne K. Talley track in Port Economics, competitiveness and governance

Evaluating the impact of service quality on customer value and customer satisfaction for port community system in Taiwan	Ching-Chiao Yang	2459
A GIS-based assessment of port hinterland sustainability in the coastal zone of Heraklion prefecture, Greece	Elena Kostopoulou	-
Shore excursions: Perception and determinants of cruise passenger choice	Samuel Montesdeoca	-
More value than money: An effectuation approach for more successful port related infrastructure projects	Laura Molinari	2463
Where should we built it? Spatial planning criteria for marinas	George Vaggelas (Moderator)	2472

PARALLEL SESSION | FC

FCEN

Session - Energy Transition at Maritime and Ports

Track - Maritime Decarbonization

Title	Speaker	Abstract book page
Economic impact of EU-emission initiatives for alternative fuel transition in Irish maritime industry	Alina Kovalenko	2442
Seaborne coal trade in transition: The impact of energy policies and geopolitical challenges	Efthymios Roumpis	-
Offshore charging of wind park service operation vessels - Net Present Value analysis	Ulf Jakob FIÅ, Aarsnes	-
Cost analysis of dual-fuel engines and phosphoric acid fuel cells for ship propulsion and electrification	Eddie Blanco-Davis	2431
Cost analysis of ammonia, methanol, and hydrogen as shipping fuels in combination with ignition improving additives: Insights from the HI-EFFECTS projects	Monica Canepa (Moderator)	2452

FCEM

Session - Shipping Finance

Track - Finance

Carbon risk and shipping stock returns	Andreas Kouspos	-
Balancing market volatility and financial risks in shipping companies: An analysis of debt and equity ratio determinants in the tanker and gas carrier shipping segments	Ergjina Veizi	2413
Management accounting systems in shipping: A means to adapt to crises?	Dimitrios Kalliafas	-
Proactively managed real options and the green transition of the maritime industry	Jostein Tvedt	-
Directional forecasts of maritime derivatives	Jonas Andersson (Moderator)	-

FCEI

Session - Sustainable Strategies

Track - Sustainability

Evaluating circular economy implementation in maritime industrial port using fuzzy AHP with TOPSIS	Julian Barona	2379
Carbon accountable efficiency in shipping corporations: Evidences from sustainability reporting	Elisa Van Engelenhoven	2369
The relevance of cargo owners' emission reduction targets to decarbonize shipping: A case study from Finland	Antti Saurama	2393
Eco-innovation as a strategic movement in ports: Drivers, barriers and implications	Enrico D'Agostini	2387
Resilient maritime supply chains: The impact of ESG practices	Michael Tsatsaronis (Moderator)	2404

All Submissions

Title	Authors
A GIS-based assessment of port hinterland sustainability in the coastal zone of Heraklion prefecture, Greece	Elena Kostopoulou
A comparative analysis of the Greek and Norwegian owned LNG fleet	Christos Bentsos, Dionysios Polemis
A compliance decision-making mechanism for container ships based on nested logit models	Xinfang Zhang, Lixian Fan
A feasibility study on green ship recycling: A case study of the port of East London, South Africa	Nomtha Hadi, Leigh Carls
A framework for assessing risks to the strategic autonomy of the maritime logistics hub function	Bart Kuipers
A framework for port call optimization models in different port governance structures: A roadmap for PCO tool implementation	John Antony Kuttikat, Lóri Tavasszy, Frederik Schulte, Patrick Everts
A metric of global maritime supply chain disruptions: the Global Supply Chain Stress Index (GSCSI)	Jean-Paul Rodrigue, Jean-Francois Arvis, Daria Ulybina
A model to predict the role of container ports as gateways, mixed ports, or pure transshipment hubs: The case of Northern Europe and the Mediterranean	Gabriel Bordeaux, António Couto
A proactive navigation risk detection model based on electroencephalogram and vessel trajectory data	Yusheng Zhou, Chongwei Gong
A study on the port resilience and port performance	Taih-Cherng Lirn, Kuo-Chung Shang, Rhapsalyani Herno Della, Ashari Fitra Rachmannullah
A system theoretic quantitative risk assessment for port ammonia bunkering operations	Rafi Ullah Khan, Jingbo Yin, Siqi Wang
A sytematic literature review on port resilience: A case of commercial ports in South Africa	Nomtha Hadi
AI-driven sustainable workload coordination for smart maritime supply chains	Tina Ziting Xu, Adolf K.y. Ng
AR applied to ports: opportunities and challenges	Riccardo Bozzo, Simone Ciambellotti, Stefano Delucchi, Hilda Ghiara, Massimo Massa, Alessio Tei
Advanced Forecasting Models for the Dry Bulk Freight Market: Integrating Traditional and Modern Approaches	Maria Giamouzi, Nikos K. Nomikos

Advancing sustainability in the cruise industry: A focus on propulsion systems	Joanna Kizielewicz
Alternative technologies' role in fast ferries' accomplishment with European green deal regulations	África Marrero Del Rosario, Alba Martínez-López, Alejandro Romero-Filgueira
An application of k-nearest neighbor algorithm in navigation simulation training assessment	Ziaul Haque Munim, Morten Bustgaard, Hans Joachim Schramm, Tae Eun Kim
An exploration of the Baltic Dry Index and wheat futures correlation	Vlassis Tsansizis, Helen Thanopoulou
An information governance framework for sustainable development in port concession agreements	Markos Tozidis, Matthew Damigos, Petros Kostagiolas, Eleftherios Kalogeros
Analysing port operations risk based on impact of extreme weather events for European ports	Amin Nazemian, Nektaria Papadopoulou, Myo Aung, Evangelos Boulougouris, Ourania Tzoraki, Meriam Chaal, Spyros Hirdaris
Analysis of factors influencing data sharing willingness of stakeholders in the maritime industry under differentiated data ownership structures	Yi Xiao, Hanyin Zheng
Analysis of maritime supply chain low-carbon collaboration based on evolutionary game	Lequn Zhu, Ran Zhou, Xiaojun Li
Analyzing the determinants of vessel idle behavior in the global shipping market: A zero-truncated poisson regression approach	Le Wu, Lixian Fan
Anthropocentric transport planning of ferry services: Developing efficient, resilient and inclusive passenger maritime transport for small islands	Georgios Papaioannou, Amalia Polydoropoulou
Appraising the influence of port-related institutions on the competence and credibility of port reforms	Adekola Oyenuga, Christa Sys, Michael Doms
Arctic shipping and global greenhouse gas pricing: A simulation with computational general equilibrium and simple climate model	Trang Tran, Ryuichi Shibasaki
Are multiple ship "fuel" supply chains sustainable?	Alexios Panagiotis Kokkolis, Helen Thanopoulou
Assessing bargaining efficiency for successful transactions: Application to shipping asset markets	Satya Sahoo, Nikos K. Nomikos
Assessing climate vulnerability in maritime trade: an empirical investigation of India's major ports	Bhuvan Arora, Hercules Haralambides, Anwasha Aditya
Assessing cost-effectiveness of federated learning-based demand forecasting in warehouse digital twin system with zero trust architecture	Stephen Rakoma
Assessing sectoral vulnerability to non-tariff protectionist measures: A case study of Valenciaport	María Soler De Dios, Vicente J. Pallardo Lopez, Amparo Mestre Alcover

Assessing the economic impact of forced shipping market fragmentation: A two-market equilibrium analysis of Panamax bulk carriers	Koichiro Hayashi
Assessing the effects of trade disruptions in the strait of Malacca on the Japanese economy	Thomas Ramminger, Trang Tran, Ryuichi Shibasaki
Assessing the viability and impact of regional shipping services: A systematic literature review	Pratiwi Wuryaningrum, John Mangan, Maryam Haroutunian
Balancing market volatility and financial risks in shipping companies: An analysis of debt and equity ratio determinants in the tanker and gas carrier shipping segments	Ergjina Veizi, George Kokosalakis
Building resilience in fast-moving consumer goods supply chains: A strategic investment perspective	Jasmine Siu Lee Lam, Yue Wu
Business strategy of Greek and Norwegian shipowners' in the LNG shipping	Christos Bentsos, Dionysios Polemis
Can ports leverage the adoption of low-carbon energy technology for trucks? Exploring the port's potential for facilitating hinterland transport decarbonisation.	Jonathan Schmid, Samantha Elenor Tanzer, Lóri Tavasszy
Can renewable fuels power the future of green shipping corridors?-A comparative assessment framework	Jing Wang, Dong Yang, Shuai Jia
Capital structure and cost behavior of shipping firms	Vasilios Christos Naoum
Carbon accountable efficiency in shipping corporations: Evidences from sustainability reporting	Assunta Di Vaio, Elisa Van Engelenhoven
Carbon revenue recycling, the cornerstone of the carbon pricing mechanism within the shipping industry	Peyman Ghaforian Masodzadeh
Carbon risk and shipping stock returns	Andreas Kouspos, Christoforos Andreou, Photis Panayides
Challenging the hypothesis of oriented connectivity in West Africa: Containerization and changes in intra-regional connectivity	David Guerrero, Daniel Castillo-Hidalgo
Circular logistics strategies in ports: Enhancing sustainability and achieving net zero emissions	Jasmine Siu Lee Lam, Jiarong Chen
Circular transition in port clusters: The impact on strategic human resources management	Lynn Faut, Mychal Langenus, Elvira Haezendonck
Climate change and Greek ports: Investigating the perception of stakeholders	Katerina Karditsa, Michael Tsatsaronis, Lykourgos Kourkouvelas, George Vaggelas, Isavela Monioudi, Maria Hatzaki
Climate risk analysis: Uncertainty modelling	Zailli Yang
Comparative life cycle assessment of hydrogen internal combustion engine and fuel cells in shipping	Anna Amat Ventayol, Jasmine Siu Lee Lam, Xiwen Bai, Zhongshuo Chen

Container transport connectivity and bilateral trade: An analysis for Latin America	Francisco Requena Silvente, Julian Martínez-Moya
Contributions of imp literature to port strategy: A systematic literature review	Clive Azechio Ngueagni, Alexandre Lavissière, Laurent Fedi, Romain Sohier
Cost analysis of ammonia, methanol, and hydrogen as shipping fuels in combination with ignition improving additives: Insights from the HI-EFFECTS projects	Monica Canepa, Tuan Dong, Alessandro Sconborn
Cost analysis of dual-fuel engines and phosphoric acid fuel cells for ship propulsion and electrification	G Viknash Shagar, Eddie Blanco-Davis
Cybersecurity risk mitigation strategies and measures in autonomous shipping	Ziaul Haque Munim, Zakirul Bhuiyan, Yusheng Zhou, Mohammad Hassan Shakil, Stavros Karamperidis
Decarbonisation status of Australian ports: Progress and challenges	Navdeep Singh Gill, Peggy Shu-Ling Chen, Stephen Cahoon
Decarbonization of Maritime Transport: Key Indicators and Impacts of European Regulatory Measures	Bianca Vottero, Riccardo Fava, Giovanni Satta
Decarbonization strategies assessment: FuelEU maritime, EU ETS penalties, and CII rating analysis over a 20 years lifespan	Konstantina Manifava, Katerina Karditsa
Decarbonizing the shipping industry: A factor market rivalry perspective	Lara Pomaska, Gordon Wilmsmeier, Johannes Meuer
Design and evaluation of a ship recycling license for sustainable ship dismantling	Kallistheni Kountouri, Veronica Schulz, Michalis Boviatsis, Michael G.h. Bell, Thalís Zis
Developing bunkering centers for alternative fuels through collaboration	Mohan Lin, Yanyan Ding, Xiwen Bai
Development of a carbon neutrality model for optimising indirect emissions from components in a multilevel bill of materials across transportation operations in product life cycle	Eugene Wong, Wei Ran, Kwok Tung Ling, Jasmine Siu Lee Lam
Digital technologies for efficient and resilient sea-land logistics: IT-based decision support systems to manage highway capacity of major gateway ports	Roberto Viviani, Francesco Parola, Giovanni Satta, Luca Persico, Gabriele Pinna
Digital twin as a tool improving reliability of the inland waterway transport in cooperation with port calls by water level prediction	Ernest Czermanski, Aneta Oniszczyk-Jastrzabek, Jakub Jankiewicz, Tammo Märten, Björn Krämer, Ebrahim Ehsanfar
Digitalization to drive the green transition of freight flows: Exploring RFID's role in enhancing ports' rail capacity management	Emmelie Gustafsson
Directional forecasts of maritime derivatives	Jonas Andersson, Lisa Maria Assmann
Do nationalities matter? Cruise passengers and crew spending patterns and destination assessments	Athanasios Pallis, George Vaggelas
Does digitalization always improve logistics chain efficiency? A transaction cost economics perspective	Gang Chen

Does voluntary carbon disclosure lead to supply chain leakage: Evidence from U.S. firms' container carbon emissions	Chengkun Li, Dong Yang, Pierre; Michel Cariou
Drivers, barriers and implementation challenges of corporate sustainability strategies in shipping	Efthymios Roumpis, Theodoros Syriopoulos
Driving sustainability in maritime supply chains: The role of tangible and intangible digital technology resources in eco-process and eco-service innovation	Min Wu, Shiyun Ho, Kum Fai Yuen
Dry bulk rates prediction under uncertainty in financial markets	Dimitris Georgoulas, Stratos Papadimitriou
Dynamic multimodal transportation network on Asia-Europe corridors under supply chain disruptions: A competitive assessment	Eugene Wong, Wei Yim Yap, Kwok Tung Ling
Dynamic rescheduling of berth allocation using AIS data and machine learning: A case study of Kaohsiung port	Ming-Jiu Hwang, Hsupei Yam, Peiwen Li
ESG disclosure as a proxy of port corporate communication and sustainable management strategy: An LDA approach	Michael Tsatsaronis, Agapi Stergiouli, George Vaggelas
Eco-innovation as a strategic movement in ports: Drivers, barriers and implications	Enrico D'agostini, Dong-Wook Song
Economic impact of EU-emission initiatives for alternative fuel transition in Irish maritime industry	Alina Kovalenko, Kamalakkannan Sivappirakasam, Patrick Rigot-Muller, Joseph Coughlan
Economic incentives for ships using alternative fuels at a fleet level	Junya Otani
Economic risk assessment for the owners of underwater marine infrastructure when vessels damage their property through illegal activities- with special reference to arrest of vessels	Peter Ivar Sandell
Emissions, freight rates and regulations	Christos Sigalas, Haiying Jia, Anna Giannopoulou-Merikas
Energy transition in export-oriented ports: The case of Saudi Arabia	Michele Acciaro, Ahm Mehbub Anwar
Enhancing the resilience of maritime ports against climate change: Developing a resilience index through living labs	Georgios Papaioannou, Amalia Polydoropoulou, Ioannis Karakikes, Helen Thanopoulou, Efstathios Bouhouras
Estimating reservation prices in bilateral bargaining: Evidence from the containership freight market	Jaeung Cha, Satya Sahoo
Evaluating circular economy implementation in maritime industrial port using fuzzy AHP with TOPSIS	Julian Barona
Evaluating the impact of service quality on customer value and customer satisfaction for port community system in Taiwan	Ching-Chiao Yang, Ya-Jhu Jhang
Evaluation the compliance of ships in the Arctic with POLARIS	Yaqing Shu
Evolving trends in maritime accidents: A comparative analysis pre- and post-crisis	Hang Jiao, Huanhuan Li, Jasmine Siu Lee Lam, Zaili Yang

Ex-post evaluation of the North Sea Seca's stringent SOx limits on shipowners' strategies. Shipowners adaptation strategies.	Alice Thébault, Cristiam Gil, Gordon Wilmsmeier
Exploring the benefits of just-in-time arrival using real-world shipping data: A case study of the port of Singapore	Lei Liu, Chang Dai, Ran Yan
Exploring the interrelationships between regional and international freight rates: Ensemble learning approach	Cemile Solak Fiskin, Ersin Firat Akgul, Erkan Cakir, Remzi Fiskin, Efendi Nasibov, Tuba Akkaya
Exploring the potential of small ports in Latvia, Estonia, and Lithuania for methanol bunkering	Kristine Carjova, Imants Aleksandrovs, Igors Kurjanovičs
Extending UTAUT through maritime technology dependencies: A study of heavy-lift vessel crane failures and user acceptance	Marco Poisler
From coal to green steel: The role of circular economy precincts for sustainable port diversification	Veronica Schulz, Michael G.h. Bell, John M. Rose, Jason Monios, Glenn Geers
From connectivity to integration: the AI transformation of sea-shore relations- the case of Hafnia tankers	Cemile Solak Fiskin, Anastasia Christodoulou, Martin Jes Iversen
From force-driven to self-driven: Enhancing carbon intensity compliance via just-in-time arrivals	Liangqi Cheng, Xiwen Bai
Fuel consumption estimation considering ship-specific elasticity the case study of harbour craft	Qingyao Li, Ran Yan, Jasmine Siu Lee Lam
Game theoretical analysis of chartering decisions in liner shipping alliances	Tsz Leung Yip, Judy Tong
Geospatial resilience of shipping alliances: Navigating the Red sea crisis	Dong Yang, Xiang Yue, Wei Yim Yap
Global economic and environmental impacts of dual disruptions in maritime transport hotspots: A case study of the Panama Canal and Red sea	Yasuhiro Akakura, Naohiro Nishitani
Global supply chain disruptions, resilience, and shifting trade patterns	Josh Kirk, Washington Ochieng, Panagiotis Angeloudis
Global vehicle carrier network and trade analysis using AIS data	Chai Liluxin, Ryuichi Shibasaki, Zhanhong Wu
Green scenarios for maritime transport: Application of non-parametric production analysis for modeling strategic renewal of the Norwegian fishing fleet	Kenneth Løvold Rødseth
Green shipping corridors potential in Northern Europe: A framework for pre-feasibility studies	Kamalakkannan Sivappirakasam, Patrick Rigot-Muller, Joseph Coughlan
Green shipping corridors strategic implementation from a trade and investment perspective	Stavros Karamperidis, Shaihan Mohamed Lafir, Melisa Özbiltekin, Rong Huang, Yiğit Kazançoğlu
Heading optimization for DP fuel efficiency	Martin Kleppe, Oliver Karlsen
Holistic environmental sustainability in global logistics hubs	Sandy Hassan

How do extreme events affect shipping strategies? The dual role of an extreme environment	Katerina Voutsina, George Kokosalakis, Vangelis Tsioumas
How reservation and customer ranking mechanism affect efficiency, revenue and fairness in the Panama Canal's transits?	Zhongjun Ma, Xiwen Bai
How to reduce transport emissions with alternative fuels and power systems - An optimization approach on a transport chain level	Tomi Solakivi, Junya Otani, Antti Saurama, Lauri Ojala
Hydrogen-based fuel as a pathway to maritime decarbonization: Opportunities and challenges for the future of shipping	Seyedvahid Vakili, Alan J Murphy, Stephen R Turnock
Impact assessment of the Red sea crisis on global maritime logistics: Network analysis and simulations	Ryuichi Shibasaki, Kenta Kowatari, Daigo Shiraishi, Yoshiyasu Han, Zhanhong Wu
Impact of alternative fuels on emissions in Panama Canal Operations	Onur Yuksel, Eddie Blanco-Davis, Gabriel Fuentes, Torstein Takvam, Nikolaos Tsoulakos
Impact of the Poseidon principles on debt financing transactions	Christos Sigalas, Kelly Gerakoudi
In the middle of the Mediterranean sea: Effects of the Red sea crisis on Italian ports	Fabio Cremaschini, Claudio Ferrari, Alessio Tei
Inland waterway transport reliability: An analysis of the events disrupting the Rhine, Main and Danube	Juan Manuel Pulido
Integrated route and fleet planning: A clustering-based optimization approach for wind propelled vessel deployment	Richard Borggreve, Vendela Santén, Gordon Wilmsmeier
Integrating circular economy principles in small-peripheral ports: A case study of Badas port	Bahana Wiradanti, Yusuf Ferdian Umar, Tri Wahyunita, Jumhari Nasrun, Stephen Pettit, Jean-Paul Rodrigue
Investigation of blockchain for cybersecurity in maritime autonomous surface ships	Ian Hamilton, Dante Ben Matellini, Chia-Hsun Chang
Is there anyone here who is not an alien? Invasive species, trade and ships	Florian Lafferrere
Key Performance Indicators for an autonomous short sea shipping and inland waterway transport system in Europe: The "SEAMLESS" project	Harilaos N. Psaraftis
Key performance indicators and ocean technologies: The case of Remote Inspection Technique (RIT)	Ioannis Lagoudis, Aspasia Pastra, Fotis Oikonomou, Nikoletta Trivyza, Tafsir Johansson
LSTM-enhanced adaptive optimisation for container availability and slot allocation in equipment demand and supply fluctuations	Eugene Wong, Kwok Tung Ling, Jasmine Siu Lee Lam
Legal stipulations in chartering contracts as an effect of geopolitical tensions	Anastasia Ganelli, George Kokosalakis, Stamatis Theloudis
Leveling the playing field or undermining competitiveness? The European Commission's state aid ruling and its impact on Belgian ports	Mychal Langenus, Indra Vonck

Leveraging truck GPS data to identify the modal shift potential from road to inland waterway transport in the short-distance port-hinterland network	Emma Ceulemans, Ivan Cardenas, Thierry Vanelslander, Edwin Van Hassel
Long-term prediction of liquefied natural gas spot freight rates using the gated recurrent unit model	Junseong Kim, Daisuke Watanabe
Machine learning-based short-term forecasting of coal port throughput using AIS data	Yota Sasada, Ryuichi Shibasaki, Yujiro Wada
Make waves: Data-driven evidence about the impact of Red Sea crisis on container port efficiency	Mingzheng Liu, Yuanzhe Liu, Kee-Hung Lai, Christina W. Y. Wong, Jiayi Chen
Management accounting systems in shipping: A means to adapt to crises?	Dimitrios Kalliafas, Vasilios Christos Naoum
Managing green transformation of Baltic sea ports: challenges and drivers for energy saving and renewable energy actions	Eliise Toomeoja, Seçil Gülmez, Ulla Tapaninen
Mapping modal shift opportunities: An ecosystem approach to revitalising underutilised	Kristoffer Kloch, Cyril Alias, Håvard Nordahl, Marvin Budde, Michael Seifert
Mapping the human impact of automation in container terminals: Challenges and opportunities	Mehrnaz Jalali, Alessio Tei, Jawad Ullah Jan, Nayab Ali
Maritime Autonomous Surface Ships (MASS) from seafarers' perspective	David Guerrero, Christophe Munduteguy
Maritime Spatial Planning and EU ports: Environmental Considerations from a governance perspective	Charalampos Platias, Constantinos Chlomoudis, Petros Pallis
Maritime alliances and the end of the consortia block exemption regime: Paradigm shift or business as usual?	Laurent Fedi, Francesco Parola
Maritime cluster and innovation: An empirical study of China	Lu Li
Maritime cybersecurity risk management: A discussion on current and future regulatory compliance approaches	Christos Kontovas, Chia-Hsun Chang
Maritime decarbonization pathways : Trade-off between operational and technical measures	Guewen Heslan, Rodica Loisel, Corinne Bagoulla, Pierre Marty
Maritime hub-corridors: Examining the spatial structure in global maritime networks	Wan Hee Kim, Hyun Kim, Paul Jung
Marketing relationships for supporting value co-creation processes in port authority management: A multiple case study.	Marcello Risitano, Marco Ferretti, Francesco Parola, Giuseppe La Ragione, Mariarosalba Angrisani
Mediterranean maritime decarbonization roadmap: Implementing the 2023 imo Greenhouse gas (GHG) strategy	Anastasia Christodoulou, Seyedvahid Vakili
Modeling schedule recovery of container liner services and policy simulations using AIS data	Eisuke Watanabe, Kenta Kowatari, Ryuichi Shibasaki

Modeling vessel decision-making in response to port disruptions using AIS data	Enoch Lee, Xiang Yue, Dong Yang
Modelling the impact of energy efficiency improvements on fuel consumption in the shipping sector: insights from the Middle East and Africa	Ahm Mehbub Anwar, Rubal Dua, Abdulrahman Alwosheel
More value than money: An effectuation approach for more successful port related infrastructure projects	Laura Molinari, Elvira Haezendonck, Alain Verbeke, Michael Doods, Jean-Pierre Merckx
Multi-port berth allocation and vessel speed optimization between Taiwan's major ports	Yu Chen, Ming-Jiu Hwang, Yu-Cing Shih
Multiple unmanned surface vehicles pathfinding in dynamic environment	Yuqing Lin, Kum Fai Yuen
Navigating climate risks in global shipping: A holistic overview for understanding multi-dimensional challenges	Hannah Mosmans
Navigating the future: South African ship officers' perceptions and adaptation strategies for Maritime Autonomous Surface Ships	Tshepo Ramonyaluoe
Network design and refueling station locationing for green maritime corridors and emission trading	Frederik Schulte, Xiaohuan Lyu
Offshore charging of wind park service operation vessels - Net Present Value analysis	Hakon Eidsvag, Ulf Jakob Flø Aarsnes
Optimization of carbon emissions and cost efficiency between China-Europe railway express and maritime shipping	Kevin Li, Hao Wang
Optimizing bunkering station of alternative fuels for inland waterway transport	Maryam Pourbeirami Hir
Optimizing fleet deployment under the contract of affreightment	Vít Procházka, Fan Jia, Haiying Jia
Optimizing navigation lock operation when climate change strikes	Floor Bakker, Mark Van Koningsveld
Optimizing port investment decisions: an M/G/c model approach with environmental and regional considerations	Ah-Hyun Jo, Young-Tae Chang, Hwaseop Lee, Seong-Hyun Cho
Optimizing quay wall design using digital twin technology and Bayesian updating	Leontina Schelling, Eugene Obrien, Conor Neville
Perception of port sector to artificial intelligence tools implementation	Stavros Karamperidis, George Vaggelas, Kassiani Stathaki
Port competition from the perspective of shipping lines: A comparison of criteria between regional and deep-sea services	Julian Martínez-Moya, María Feo Valero, Christina Myriouni, Jonas Mendes Constante
Port container yards: A global functional typology	Jean-Paul Rodrigue

Port energy transition projects: Stakeholder mapping and prioritization through social network analysis and multi-criteria decision analysis	Monica Canepa, Fabio Ballini, Anas S. Alamoush
Port just-in-time arrival service under carbon pricing: Formation, efficiency, and policy recommendations	Xinyue Pu, Xiwen Bai
Port regionalization revisited: Academic insights and port practices	Theo Notteboom, Jean-Paul Rodrigue
Port security management strategies for international commercial ports: An internal stakeholders perspective	Chi-Chang Lin, Chia-Hsun Chang
Port technology development theories: A review	Qingyao Li, Jasmine Siu Lee Lam
Port-centric energy hubs: Comparative insights into decarbonization and industrial symbiosis in European ports	Viktoriia Koilo
Positive impact of smart containers on the logistics chains: An empirical survey	Claudio Ferrari, Alessio Tei, Riccardo Rosso, Giovanni Rudmann
Potential competitive advantages of green development for Adriatic-Ionian ports	Stefano Ricci
Predicting crude oil and bunker prices using deep neural network and dimensionality reduction	Samer Okasha, Yujiro Wada, Ryuichi Shibasaki, Hegazy Zaher
Private sector involvement in the provision of port services in Greece: Time-honored harmonization with European trends	Markos Tozidis, Constantinos Chlomoudis
Proactively managed real options and the green transition of the maritime industry	Jostein Tvedt, Randi Lunnan
Promoting green energy transition in shipping: An evolutionary game analysis of green corridors	Haiwei Gu, Michael G.h. Bell, Ze Wang, Zhiqi Shao, Glenn Geers
Quantifying the total logistics cost in ports and their hinterland from the users' perspective: An empirical analysis	Khandaker Rasel Hasan, Vera Zhang, Wenming Shi
Rate of return regulation used to determine price adjustments of the national ports authority in South Africa: A critique	Simóne Huskisson, Mihalis Chasomeris, Stephan Krygsman
Reconfiguration of containerized Asia-Europe supply chain - the impact of upstream consolidation	Ning Lin
Reducing the environmental footprint of cruise ships during normal operations: A fuzzy multi-criteria approach	Georgia Papadopoulou, Konstantinos Chrysafis, Ioannis Theotokas, Ilias Bisias
Regional port competition and foreland connectivity	Christina Myriouni, Julian Martínez-Moya, Felipe Bedoya Maya, Bárbara Vázquez-Paja
Renewable energy in shipping: Decision support for a renewable fuel choice	Jasmine Siu Lee Lam, Seyed Parsa Parvasi, Friedrich Kolja Severin Roszbach, Oliver Skou Schwarz
Resilience in inland shipping: A network analysis of the Rhine-Alpine corridor under global disruptions	Felipe Bedoya Maya, Joris Beckers, Edwin Van Hassel

Resilience of shipping connectivity amidst disruptions to shipping networks	Wei Yim Yap, Dragović Branislav, Zengqi Xiao, Zengyan Fan
Resilient maritime supply chains: The impact of ESG practices	Michael Tsatsaronis, Dimitra Skandali
Responsibility in the Baltic sea shipping industry: An analysis of shipping companies' online communications	Vappu Kunnaala-Hyrkki, Olli-Pekka Brunila, Tommi Inkinen
Rethinking technology adoption in maritime ecosystem: The influence of relational determinants	Lorenzo Franchi, Valentin Carlan, Thierry Vanelstlander, Wouter Van Bockhaven
Road vs. short sea shipping: Are eco-incentives truly supporting environmentally friendly alternatives?- A case study of the Spain-Northern Italy corridor	Lorena Garcia-Alonso, Julian Martínez-Moya, José Ángel Vallejo-Pinto, María Feo Valero
Robustness comparison of goodness-of-fit tests: Noise injection and breakdown point analysis in container terminals	Hwaseop Lee, Ah-Hyun Jo, Seong-Hyun Cho, Young-Tae Chang
SYNCO2LOG: An AI-enhanced disruption management platform for resilient port-hinterland transport	Mahnam Saeednia, Satrya Dewantara, Peter Wenzel
Schedule reliability in liner shipping - A quantitative analysis of services connecting China with the east coast of South America and South Africa	Hans Joachim Schramm, Christoph Karl Gustav Schaar, Gordon Wilmsmeier
Seaborne coal trade in transition: The impact of energy policies and geopolitical challenges	Efthymios Roumpis, Theodoros Syriopoulos, Michael Tsatsaronis, Christos Tsitsakis
Self-perceived impact of digital information literacy and AI tools on maritime university studies	Anastasia Konstantinou, Petros Kostagiolas, Virginia Zarakeli, Matthew Damigos
Semantic-driven multi-view periodic-temporal network for predicting vessel traffic flow	Huanhuan Li, Jasmine Siu Lee Lam, Zailli Yang
Semi-supervised fishing activity detection using mobility pattern extraction algorithm based on convolutional auto-encoders	Yifan Zhang, Aysan Esmradi, Daniel Wk Yip, Peng Sun
Ship order book forecasting by an ensemble deep parsimonious random vector functional link network	Ruke Cheng
Shipping capacity rental among competing electric vehicle manufacturers	Lerong Xu, Yanyan Ding, Xiwen Bai
Shipping circular harmony and carbon accounting: A systematic review and future research agenda	Assunta Di Vaio, Anum Zaffar, Marco Ferretti
Shipping companies as agents of change: A critical-realist approach to sustainability accounting	Andreas Andrikopoulos
Shocks-based fluctuations of dry bulk shipping freight rate	Anas S. Alamoush, Fabio Ballini
Shore excursions: Perception and determinants of cruise passenger choice	Samuel Montesdeoca, Beatriz Tovar

Should the landlord port authority negotiate concession contracts with terminal operators?	Hsiao-Chi Chen, Shi-Miin Liu, Wenqing Han
Smart port initiatives to seaports in Northern Norway	Ning Lin
Social and phenomenological aspects of "onshoring" in maritime and offshore sectors: An anthropological study of oceanic relocations	Cecilie Vindal Ødegaard
Social parameters in port concession agreements. A proposed framework towards port social sustainability	Petros Pallis, Charalampos Platias, Theodore Styliadis
Sourcing containerized capacity under geopolitical uncertainty in the U.S. import market	Christopher Dirzka, Michele Acciaro
Stakeholder management in the era of inexorable cruise shipping growth	Michele Acciaro, Athanasios Pallis
Stochastic ship scheduling for emission reduction at the Panama Canal	Torstein Takvam, Gabriel Fuentes, Stein W Wallace
Strategic responses to economic shocks, how shipping firms navigated the US-China trade war	Liping Jiang
Structure dynamics and disruption simulation: a framework for China's seaborne oil network	Hanwen Fan, Haiying Jia, Haifeng Lin
Survival analysis of ship lay-up decisions	Yan Wang, Lixian Fan
Sustainability developments in offshore ports status and drivers for the implementation of sustainability in European offshore wind terminals	Gordon Wilmsmeier, Jonathan Schuenke
Sustainability in maritime education: Educators' awareness, behavioural change approaches and challenges	Tutku Eker Iscioglu, Mustafa Taner Albayrak, Huseyin Gencer, Kenan Tata, Murat Selçuk Solmaz, Nicoleta Acomi, Gheorghe Surugiu, Mladen Jardas, Sanjin Valcic
Sustainable initiatives for european shipping competitiveness: the MET-NET network for maritime education and training	Helen Thanopoulou, Christina Troumpetari, Dirk Max Johns, Alco Weeke
Systematic review of ferry decarbonization in the maritime sector	Kadi Kasepõld, Deniece Melissa Aiken, Ulla Tapaninen
The characteristics of capacity-weighted and distance-weighted international maritime network	Hoshi Tagawa, Masashi Ogawa
The effect of irrational beliefs on shipping freight markets	Koichiro Tezuka, Masahiro Ishii, Motokazu Ishizaka
The effects of port and terminal bargaining power on container liner shipping collaboration dynamics	Mosleh Amiri, Michael G.h. Bell, Glenn Geers, Jyotirmoyee Bhattacharjya
The evolution of ESG reporting quality in maritime-listed firms: Impacts of decarbonization policies	Xakousti Afroditi Merika, Theodoros Syriopoulos
The impact of Russia-Ukraine war on global maritime petroleum trade network	Zhenming Wu, Haiying Jia

The impact of shippers' characteristics on alternative fuel adoptions in container shipping	Yanan Li, Liping Jiang, Leonardo Santiago
The impact of the EU emissions trading scheme on the dry bulk freight market	Elina Ntantasiou, Manolis Kavussanos
The phenomenon of career mobility within modern seafaring labour market: The Greek trends	Ioannis Theotokas, Chrysa Tsalichi
The predictive ability of bulk and container freight rates on local macroeconomic indicators: Evidence from G-7 and BRICS countries	Joshua Shackman
The relevance of cargo owners' emission reduction targets to decarbonize shipping: A case study from Finland	Antti Saurama, Titiana Ertiö, Tomi Solakivi
The role of data-driven digital capabilities in enabling green technological innovation in shipping	Tze Xuan Ong, Kum Fai Yuen
The role of digitalization in reducing Port State Control deficiencies: A case study of a bulk carrier shipping company	Nikolaos Tsoulakos, Angelos Pantouvakis
The role of transfer hubs in climate-resilient port-hinterland connections: Implications for port competition	Nadia Pourmohammadzia, Luuk Van Der Plas, Mark Van Koningsveld
The scrapping of offshore drilling vessels: An empirical study of the role of the firm in capacity reduction in the cyclical downturn of 2014-2021	George Horsington
The ship managers and senior officers role in improving operational energy efficiency: A case study of newbuilt dual fuel Newcastlemax bulk carrier	Lasse Møller, Halvor Schøyen
The value of en-route charging scheduling in automated container terminals	Xiangda Li, Lingxiao Wu, Hao Lang
Toward more sustainable container terminals: Identifying alternative initiatives and calculating total cost of ownership	Wouter Schmidt
Toward port innovation performance management: A methodological assessment of innovation indicators	Mahsa Keshavarz Eshkalag, Mychal Langenus
Towards a classification of the sustainability stances of shipping lines and logistics service providers: An empirical analysis based on corporate disclosure	Hubert Luc S. Paridaens, Theo Notteboom
Towards sustainable maritime practices: Predicting shipbuilding and recycling	Siyong Zhu, Fudong Wang, Jianwu Wan
Tracing carbon footprints from vessel footprints: Movement analytics for localized vessel carbon emissions estimation using AIS trajectory data	Paul Jung, Jinho Nam
Trade on hold: Measuring the impact of shipping delays with a gravity approach	Christian Vezil, Giorgio Fagiolo, Casiano Alberto Manrique-De-Lara-Peñate

Training and competency gaps for shipping decarbonization in the era of disruptive technology: The case of Latin america	Javier Diaz
Transitioning to sustainable maritime transport: Lessons from Norway and pathways for Greece's ferry sector	Maria Lekakou, Dimitris Gavalas, Georgios Remoundos, George Stergiopoulos, Ioannis Katsounis, Markella Gota, Stamatias Choulis
Transport mode decisions in intermodal supply chains: Critical success factors and challenges	Katelyn Tahaney, Christa Sys, Thierry Vanelslander
Unleashing data power: driving maritime risk analysis with Bayesian networks	Hanwen Fan, Jiabin Wang, Zheng Chang, Lingye Zhang, Jing Lyu, Shuang Wang
Unrevealing the impacts of Suez Canal blockage and rerouting strategies on the environment, delivery time and costs	Mikhail Strukov
Utilising container port capabilities for a conceptual framework on container port resilience: A systematic literature review and future research directions	Bong-Keun Choi, Saeyeon Roh, Minchul Sohn
Utilization of maritime transport and ports following the 2024 Noto peninsula earthquake in Japan	Taro Aratani, Tomoya Kawasaki, Takuma Matsuda
Valuing externalities of cruise shipping in a contingent valuation framework	Beatriz Tovar, Salvador Del Saz-Salazar
When will we admit that maritime transport will not be decarbonised by 2050?	Jason Monios
Where should we built it? Spatial planning criteria for marinas	George Vaggelas, Athanasios Pallis
Why certain port cities are chosen as sea-air freight transit hubs? A case study of Kuehne+Nagel and DB Schenker	Yonglei Jiang, Ailing Huang, Shunan Yu, Qian Luo, Jingci Xie, Tao Wen, Xiangyu Pei
Will letters of credit survive in digital trade era? An evolutionary analysis of credit guarantees in banking and digital platform	Yi Xiao, Guanqiu Qi, Kevin Li
Wind assisted ship propulsion technologies: Operational conditions to be financially feasible	Cristiam Gil, Gordon Wilmsmeier

HELP US WITH A SURVEY

HELP US DO BETTER NEXT TIME

We'd like to know what worked well and what could be improved. Please take a moment to fill out our anonymous survey at the end of the conference by scanning the QR code.



Here is the link for ease of access:
<https://forms.office.com/e/Vzp9M0hh5V>



Credits: Espen Bakketun

**See you
next year
in Singapore**



IAME 2025
BERGEN, NORWAY

www.iame2025.com