

1st International Conference on Decarbonising Waterborne Transportation

DeWaTra 2026 PROGRAMME



25 - 26 May 2026

IST Congress Centre, Lisbon, Portugal

ORGANISATION

Conference Chairmen

Carlos Guedes Soares - *Técnico*

Oleksii Ivashenko - DNV As, Norway

Local Organising Committee

Lúcia Moreira - Técnico , Universidade de Lisboa, Portugal

Fernando Santos - Técnico , Universidade de Lisboa, Portugal

Galila Abdelghany – Técnico , Universidade de Lisboa, Portugal

Lis Mara Silva – Técnico , Universidade de Lisboa, Portugal

Technical & Conference Secretariat

Alexandre S. Miranda, Técnico, Universidade de Lisboa, Portugal

Maria de Fátima Pina, Técnico, Universidade de Lisboa, Portugal

Sandra Ponce, Técnico, Universidade de Lisboa, Portugal

Sónia Vicente, Técnico, Universidade de Lisboa, Portugal

Bárbara Azevedo, Técnico, Universidade de Lisboa, Portugal

DeWatra 2026 Scientific Committee

- Ermina Begovic, Univ. Studi Di Napoli Federico II, Italy
- Kostas Belibassakis, NTUA, Greece
- Jean-Frederic Charpentier, École Naval, France
- Vicente Diaz Casas, Coruña University, Spain
- Tatiana Dlabač, Univ. of Montenegro, Montenegro
- Ionnis Ergas, WEGEMT, The Netherlands
- Selma Ergin, Istanbul Technical University, Turkey
- Yordan Garbatov, Técnico Lisboa, Portugal
- Hossein Ghaemi, Gdansk University, Poland
- Ismail Helvacioğlu, Pîrî Reis University, Turkey
- Caglar Karatug, Istanbul Technical University, Turkey
- Marco Klein, German Aerospace Center, Germany
- Pentti Kujala, Tallinn Univ. Techn., Estonia
- Evert Lataire, University of Ghent, Belgium
- Aykut I. Ölcner, World Maritime University, Sweden
- Sorina Pacuraru, Univ. “Dunărea de Jos” Galați, Romania
- George Panagakos, Danish Univ. Techn., Denmark
- Joško Parunov, University of Zagreb, Croatia
- Jasna Prpić-Orsić, University of Rijeka, Croatia
- Jeroen Pruijn, TU Delft, The Netherlands
- Jonas Ringsberg, Chalmers Univ. Techn., Sweden
- Jani Romanoff, Aalto University, Finland
- António Souto-Iglesias, Univ Polytechnic Madrid, Spain
- Sverre Steen, NTNU, Norway
- Ivan Sulovsky, University of Rijeka, Croatia
- Václav Uruba, Czech Academy of Sciences, Czechia
- Nikola Vladimir, University of Zagreb, Croatia
- Jin Wang, Liverpool John Moores University, UK
- Haitong Xu, Técnico Lisboa, Portugal
- Elias Yfantis, University of Nicosia, Cyprus
- George Zaraphonitis, NTUA, Greece
- Peilin Zhou, University of Strathclyde, UK
- Burak Zincir, Istanbul Technical University, Turkey

SCHEDULE AT A GLANCE

Monday, 25 May 2026 - Registration (from 8h30 onwards)			
IST Conference Centre			
Opening Session (9h00-09h15) C. Guedes Soares & Yordan Garbatov			
Keynote lectures 1 (09h15-10h30) Coffee-break (10h30-11h00)			
Keynote lectures 2 (11h00-12h40) Lunch (12h40-14h00)			
Room: 01.1	Room: 02.1	Room: 02.2	Room: 02.3
Session WG3.1 (14h00-15h30) Fuel and propulsion concepts	Session WG1.1 (14h00-15h30) Regulatory framework for sustainable shipping	Session WG5.1 (14h00-15h30) Digital Twin and smart maritime energy systems	Session WG4.1 (14h00-15h30) Wind-assisted propulsion
Coffee-break (15h30-16h00)			
Session WG3.2 (16h00-17h50) Alternative fuel deployment, safety and implementation	Session WG1.2 (16h00-17h30) Analysis of port emissions	Session WG5.2 (16h00-17h30) Energy-efficient routing and navigation	Session WG4.2 (16h00-17h30) Photovoltaic energy and other aspects of onboard renewable energy
20h00 - Conference Dinner			

SCHEDULE AT A GLANCE

Tuesday, 26 May 2026 - Registration (from 8h30 onwards)			
Room: 01.1	Room: 02.1	Room: 02.2	Room: 02.3
Session WG1.3 (09h00-10h30) Estimation of maritime emissions	Session WG5.3 (09h00-10h30) Decision support for maritime energy efficiency	LH2CRAFT	Session WG2.1 (09h00-10h30) Methods to reduce ship resistance
Coffee-break (10h30-11h00)			
Session WG3.3 (11h00-12h30) Energy recovery and advanced onboard conversion	Session WG5.4 (11h00-12h30) AI and optimisation for low-carbon shipping	LH2CRAFT	Session WG2.2 (11h00-12h30) Waves and ship motion effects in performance
Lunch (12h30-14h00)			
Room: 01.1	Room: 02.1	Room: 02.2	Room: 02.3
Session WG3.4 (14h00-15h30) Hybrid systems, retrofits, and vessel-level applications	Session WG1.4 (14h00-15h30) Maritime decarbonisation	LH2CRAFT	Session WG2.3 (14h00-15h30) Ship and systems design and assessment
Coffee-break (15h30-16h00)			
Session WG3.5 (16h00-17h50) Fuel cells and electrochemical propulsion systems	Session WG1.5 (16h00-17h30) Operational and technical strategies for maritime decarbonisation	LH2CRAFT	Session WG5.5 (16h00-17h30) Strategic pathways for maritime decarbonisation
End of the DeWaTra 2026 Conference			

SESSIONS IN ALPHABETICAL ORDER

AI and optimisation for low-carbon shipping - Tuesday, 26/05/2026, Session WG5.4, 11h00-12h30, Room: 02.1

Alternative fuel deployment, safety and implementation - Monday, 25/05/2026, Session WG3.2, 16h00-17h50, Room: 01.1

Analysis of port emissions - Monday, 25/05/2026, Session WG1.2, 16h00-17h30, Room: 02.1

Decision support for maritime energy efficiency - Tuesday, 26/05/2026, Session WG5.3, 09h00-10h30, Room: 02.1

Digital Twin and smart maritime energy systems - Monday, 25/05/2026, Session WG5.1, 14h00-15h30, Room: 02.2

Energy-efficient routing and navigation - Monday, 25/05/2026, Session WG5.2, 16h00-17h30, Room: 02.2

Energy recovery and advanced onboard conversion - Tuesday, 26/05/2026, Session WG3.3, 11h00-12h30, Room: 01.1

Estimation of maritime emissions - Tuesday, 26/05/2026, Session WG1.3, 09h00-10h30, Room: 01.1

Fuel and propulsion concepts - Monday, 25/05/2026, Session WG3.1, 14h00-15h30, Room: 01.1

Fuel cells and electrochemical propulsion systems - Tuesday, 26/05/2026, Session WG3.5, 16h00-17h50, Room: 01.1

LH2CRAFT - Tuesday, 26/05/2026, Session WG3.5, 09h00-17h30, Room: 02.2

Hybrid systems, retrofits, and vessel-level applications - Tuesday, 26/05/2026, Session WG3.4, 14h00-15h30, Room: 01.1

Maritime decarbonisation - Tuesday, 26/05/2026, Session WG1.4, 14h00-15h30, Room: 02.1

Methods to reduce ship resistance - Tuesday, 26/05/2026, Session WG2.1, 09h00-10h30, Room: 02.3

Operational and technical strategies for maritime decarbonisation - Tuesday, 26/05/2026, Session WG1.5, 16h00-17h30, Room: 02.1

Photovoltaic energy and other aspects of onboard renewable energy - Monday, 25/05/2026, Session WG4.2, 16h00-17h30, Room: 02.3

Regulatory framework for sustainable shipping - Monday, 25/05/2026, Session WG1.1, 14h00-15h30, Room: 02.1

Ship and systems design and assessment - Tuesday, 26/05/2026, Session WG2.3, 14h00-15h30, Room: 02.3

Strategic pathways for maritime decarbonisation - Tuesday, 26/05/2026, Session WG5.5, 16h00-17h30, Room: 02.3

Waves and ship motion effects in performance - Tuesday, 26/05/2026, Session WG2.2, 11h00-12h30, Room: 02.3

Wind-assisted propulsion - Monday, 25/05/2026, Session WG4.1, 14h00-15h30, Room: 02.3

Wireless Access

NETWORK:
TECNICO-GUEST

Account name:
CENTEC

Password:
sw8D3G

Monday, 25 May 2026

09h00 to 09h15

Opening Session
Auditorium

Presided by:

C. Guedes Soares & Yordan Garbatov

Overview of Onboard Decision Support Systems
in Energy-Efficient Ship Operation for
Decarbonising Waterborne Transportation
H.T. Xu & N. Vladimir

DNV Vessel Efficiency Challenge
B.J. Guo & O. Ivashenko

09h15 - 10h30

Keynote lectures 1
Auditorium

Chaired by: Yordan Garbatov &
C. Guedes Soares

Trends in Decarbonising Waterborne
Transportation
C. Guedes Soares

Assessment and Reduction of Atmospheric
Emissions from Shipping
A.E. Majd, E. Blanco-Davis, S. Ergin & J. Wang

Hydrodynamic hull design for energy-efficient
performance
K. Belibassakis & I. Sulovsky

11h00 - 12h40

Keynote lectures 2
Auditorium

Chaired by: C. Guedes Soares &
Yordan Garbatov

Alternative Fuel Ship Propulsion: Challenges and
Future Directions
E.A. Yfantis & B. Zincir

Integration of renewable energy in ship
energy systems as a means for maritime
decarbonization
*J.W. Ringsberg, C. Karatug, P. Wu, T. Cinkler,
M. Krćum & T. Dlačić*

14h00 - 15h30

**Session WG3.1: Fuel and propulsion
concepts**
Room: 01.1

Chaired by: Elias A. Yfantis
& Burak Zincir

Technical and economic comparative analysis
between a nitrogen cycle and a conventional
steam cycle, for application in marine nuclear
propulsion
*C. Louro, L. Baptista, S. Pereira
& L.A. Días-Secades*

Evaluating e-fuel pathways in fishing vessels
from a well-to-wake life cycle perspective
*N. Todorović I. Jovanović, M. Koričan, A. Fan,
M. Sjerić, N. Hadžić, C. Karatuğ, Z. Haque
Munim, A. Bakica & N. Vladimir*

Nuclear propulsion for decarbonizing maritime
transport: A SWOT analysis
B. Zincir & B.A. Zincir

A holistic review of LNG-fuelled vessels from
environmental, economic, technological, and
regulatory dimensions for advancing net-zero
maritime objectives
M. Bayraktar

16h00 - 17h50

Session WG3.2: Alternative fuel deployment, safety, and implementation

Room: 01.1

Chaired by: Burak Zincir & Elias A. Yfantis

Occupational and social health safety assessment of ammonia-fuelled ships
M.P. Mujeeb-Ahmed, P. Zhou, B. Jeong & H. Wang

Assessment of biodiesel use with respect to FuelEU Maritime, EU ETS, CII, and financial implications: A real-time ship-based analysis
S. Baştürk & S. Erol

Low carbon shipping: several ideas from MAGPIE to reduce barriers for implementation of alternative fuels
J. Pruyn

From EU-funded innovation to routine operation: Technology transfer pathways for alternative-fuel propulsion systems in Europe’s inland vessel build and retrofit ecosystem
E. O'Neill

Best practice for risk analysis of battery-driven passenger ferries: A safety-case-oriented framework
S. Rahimpour & P. Kujala

14h00 - 15h30

Session WG1.1: Regulatory framework for sustainable shipping

Room: 02.1

Chaired by: Selma Ergin & Jin Wang

Combining top down and bottom up methodologies for the estimation and localisation of the fuel demand across the Mediterranean
M. Annetis, C. Diamantis, A. Strongylos & N. Ventikos

Assessing global atmospheric emissions from shipping: A meta-review and best practices for future work
C.A. Kontovas

Sustainable legislation: Perfect storm or perfect opportunities
J. Pruyn

Competitive, sustainable and resilient shipping: An integrated quantitative framework for prioritising maritime transition pathways
E.A. Yfantis

16h00 - 17h30

Session WG1.2: Analysis of port emissions

Room: 02.1

Chaired by: Jin Wang & Selma Ergin

Cruise ship emissions in urban ports within the DeWaTra framework: A bottom-up assessment for the 2024 season at Istanbul Galata Port
S. Ergin, L. Mocerino, G.P. Temren & F. Böbür

Assessing AIS fitness for port–anchorage inventory modelling
H.L. Zhu & A. Ölcer

Port related ship emissions and decarbonization strategies: The case of the Port of Augusta
E. Cocuzza, E. Twrdy, M. Zanne, & M. Ignaccolo

Comparative analysis of environmental footprint assessment tools in ports
A. Barbagallo, B. Petrovčić, E. Twrdy & M. Ignaccolo

14h00 - 15h30

Session WG5.1: Digital Twins and smart maritime energy systems

Room: 02.2

Chaired by: Nikola Vladimir & Haitong Xu

Emerging green fuel and ESD technologies supporting the development of Digital Twin in shipping
K. Belibassakis, A. Oster & L.P. Perera

DTTEx roadmap to Digital Twinning through an IoT platform
E.A. Yfantis & G. Mallouppas

Operational decarbonisation through port-based digital twin intelligence: Decision-support frameworks for energy-efficient vessels operations
V.K. Tsoukala & C.N. Tsaimou

From sensors to decision support technologies for energy efficiency in ships
F.P. Santos, H.T. Xu, C. Guedes Soares, M.J.G.C. Mendes, M.A.R. Baptista & N. Vladimir

16h00 - 17h30

Session WG5.2: Energy-efficient routing and navigation
Room: 02.2

Chaired by: Haitong Xu & Nikola Vladimir

Risk-aware energy-efficient route planning for summer navigation along the Arctic
Y.J. Liu, Y. Lu, Y.Z. Xue & C. Guedes Soares

Energy-efficient navigation risk evaluation for Oolar escort ships
Y.T. Jiang & Y. Lu

Decarbonization as a new challenge for ship routing systems
A. Topaj & A. Kondratenko

Meteorological route dynamic optimization method based on improved A-star algorithm
D.D. Guo, Y. Yin, H.T. Xu & C. Guedes Soares

14h00 - 15h30

Session WG4.1: Wind-assisted propulsion
Room: 02.3

Chaired by: Jonas W. Ringsberg & Caglar Karatuğ

Operationl efficiency impacts of diesel-electric propulsion and controllable-pitch propellers in wind-assisted vessels
T. Lampe, S. Stutz, T. Schwedt, S. Ehlers & M. Klein

Cost effectiveness of wind-assisted propulsion retrofits for maritime decarbonisation
G.A. Abdelghany & C. Guedes Soares

Holistic evaluation of wind-propelled ships with recuperation using the Odysa Framework
T. Schwedt, A. Fitz, D. Gosala, V. Gosala, T. Lampe, S. Stutz, M. Klein & S. Ehlers

16h00 - 17h30

Session WG4.2: Photovoltaic energy and other aspects of onboard renewable energy
Room: 02.3

Chaired by: Jonas W. Ringsberg & Caglar Karatuğ

Experimental C-HIL validation of MPPT algorithms for photovoltaic integration in resilient Shipboard microgrids
N. Pudar, I. Knezević, T. Dlabac, M. Petronijević & I. Radonjić

Selected problems of renewable energy sources use on ships
A. Krystosik-Gromadzińska & W. Zeńczak

Decarbonizing anchorage waiting time in EU ports: A scenario analysis of renewable energy options
G. Manavgat & A. Demirci

A comprehensive review of hybrid PV-wind systems and multilevel converter topologies for greener shipping: Current state and future perspectives
S. Kul

Tuesday, 26 May 2026

09h00 - 10h30

Session WG1.3: Estimation of maritime emissions
Room: 01.1
Chaired by: Selma Ergin & Jin Wang

A roadmap towards energy efficiency and emissions reduction in maritime transport
N.L. Trivyza, D. Melissinos, G. Charvalos, T. Papacharizanos, S. Pappas, D.N. Vlachos, T. Tsiourva, A. Papadakis, A. Maccari, N. Themelis & G. Dimopoulos

Calculation and impact on shipping of the new GHG Intensity concept
E. Braggio & M. Ventura

Analysis of maritime emissions and their influence on public health in Port regions
E. Erdem & M. Aydinalp Koksai

Accuracy of bridge simulators for predicting ship manoeuvring emissions
A. Seyhan

11h00 - 12h30

Session WG3.3: Energy recovery and advanced onboard conversion
Room: 01.1
Chaired by: Elias A. Yfantis & Burak Zincir

Parametric and optimization study of a low-temperature organic rankine cycle for maritime waste heat recovery
E.A. Yfantis & S. Polyzos

Onboard waste treatment for maritime systems: Reducing volume and emissions via pyrolysis and gasification
M. Hefele, R. Behrend, S. Eckart & H. Krause

Beyond the conventional internal combustion engine: The free piston linear generator technology
R. Saviano, C. Guido, C. Capasso, C. Beatrice, N. Morandi, T. Lucchini, A. Scopelliti, A. Accardo & M. Baratta

Assessing thermoelectric generators in marine waste heat recovery systems
L.G. Duarte & S. Brötje

14h00 - 15h30

Session WG3.4: Hybrid systems, retrofits, and vessel-level applications
Room: 01.1
Chaired by: Burak Zincir & Elias A. Yfantis

A modular scenario-driven simulator for hybrid-electric ship power systems
S. Sakhrieh, C. Kamizoulis, M. Zadeh & R. Skjetne

Sizing optimisation of hybrid energy conversion for sustainable inland navigation
R.S. Anku, C. Thill & J. Pruyn

Techno-economic assessment of hydrogen retrofits for feeder containerships
F. Yu, W. Shi, J. Mangan & Y. Xu

Minimizing port emissions for a Strait of Messina ferry through methanol fuel cells and LTO battery hybridization
G. Baia, V. Crupi, S. De Caro, G. Epasto & D. Rizzo

16h00 - 17h50

Session WG3.5: Fuel cells and electrochemical propulsion systems

Room: 01.1

Chaired by: Elias A. Yfantis & Burak Zincir

4E analysis of an ammonia-fuelled solid oxide fuel cell and Rankine cycle integrated power system for an LNG carrier

E. Guler

Direct Methanol Fuel Cell for a zero-noise and low-emission system on fishing boats

G. Briguglio, Y. Garbatov, D. Arrigo & V. Crupi

Theoretical investigation of the methanol fuel cell to recharge a lithium battery

J.I. Ahuir-Torres, O. Yuksel, E. Blanco-Davis,

G.V. Shagar, D. Hitchmough & J. Wang

Ejector H₂ recirculation of marine PEMFC: CFD modelling and geometric scaling

C. Antetomaso, G. Cecere, A. Irimescu & S.S. Merola

Clean Hydrogen as a Fuel for EU Shipping: Legislation and Government Support

G. Gubina

09h00 - 10h30

Session WG5.3: Decision support for maritime energy efficiency

Room: 02.1

Chaired by: Nikola Vladimir & Haitong Xu

Decision-support approach for selecting energy efficiency measures

J.G. Costa, T.A. Santos & L.M.R. Silva

Decision-support tool for promoting port decarbonisation

R. Querido, L.M.R. Silva & T.A. Santos

Speed and engine load management within energy-efficiency decision support systems for maritime decarbonisation

L. Moreira, A. Seyhan, J. Prpić-Oršić & C. Karatug

Onboard decision support for energy-efficient hybrid ship operation: EMS-PMS setpoint strategy and interface design

A. Aksöz, M. Şeker, S. Oyucu & E. Biçer

11h00 - 12h30

Session WG5.4: AI and optimisation for low-carbon shipping

Room: 02.1

Chaired by: Haitong Xu & Nikola Vladimir

Multi-fidelity transfer learning for energy-aware autonomous ships using reinforcement learning

W. Daems, S. van Raemdonck, M. Mariotti & P. Hellinckx

A multi-scale simulation framework for zero-emission IWT planning

J. Lopez, D. Cipres, P. Bernat, C. Latinopoulos, M. Andurand, A. Antonopoulos & T. Tsaousis

Human-centric physics-informed framework for maritime energy optimization

S. Sumit & K. Rana

Implementation of Ship Berthing Maneuvers by Using Artificial Neural Networks: Analysis of Calm Water Condition

M.E. Korkmaz, U. Yıldırım & E. Köse

14h00 - 15h30

Session WG1.4: Maritime decarbonisation

Room: 02.1

Chaired by: Jin Wang & Selma Ergin

Regulatory Drivers, Energy Efficiency and Alternative Fuel Pathways in Maritime Decarbonization

M. Krčum, N. Pudar, J. Nikčević, T. Dlabac & I. Knežević

Green shipping, fragile ecosystems: Is decarbonisation undermining ecological security in waterborne transport
L. Diaconu

Analysis of GHG emissions reduction in 2024 based on FuelEU regulations
P. Georgiev, Y. Garbatov & A. Angelov

Operational efficiency and maritime decarbonization through contract innovation
A.U. Sahin

16h00 - 17h30

Session WG1.5: Operational and technical strategies for maritime decarbonisation
Room: 02.1

Chaired by: Selma Ergin & Jin Wang

Technical and operational characteristics of the Croatian fishing fleet in the context of maritime sector decarbonisation
I. Jovanović, M. Koričan, A. Bakica, N. Todorović, N. Hadžić, M. Sjerić, C. Karatug, Z. H. Munim, A. Fan & N. Vladimir

Operational strategies for strengthening sustainability in liner service networks
P.M. Batista Santos & T.A. Santos

The carbon cost of maritime disruptions: Assessing the impacts of chokepoint rerouting in terms of GHG emissions from chronologic data
B. Shajari & J. Gonzalez-Feliu

Operational load-based evaluation of EPL in a container vessel
M. Pamik

09h00 - 10h30

Session WG2.1: Methods to reduce ship resistance
Room: 02.3

Chaired by: Kostas Belibassakis & Ivan Sulovsky

Interaction of textured and hydrophobic coatings with microbiological fouling and their impact on hydrodynamic drag
A. Antanavičė, L. Vorotinskienė, M. Maziukienė & R. Skvorčinskienė

Leidenfrost phenomena in marine engineering: A new method creation for drag reduction
M. Maziukienė, R. Skvorčinskienė, L. Vorotinskienė & A. Antanavičė

Structured thin-film coatings for ship drag reduction
R. Skvorčinskienė, M. Maziukienė, L. Vorotinskienė & A. Antanavičė

CLEAR: A coefficient-domain bayesian state-space framework for hull fouling estimation from operational ship data
Y.E. Liu, B.J. Guo & A. Havfer

11h00 - 12h30

Session WG2.2: Waves and ship motion effects in performance
Room: 02.3

Chaired by: Ivan Sulovsky & Kostas Belibassakis

A dynamical model for the prediction of propulsion performance under wave-induced motions and loads
G. Dafermos, N. Themelis & K. Belibassakis

Estimation of ship resistance in head waves from pitch motion
M.H. Ghaemi & H. Zeraatgar

Comparative study on prediction of added resistance for energy-efficient ship operation
Md. Golam Kibria, N.M. Golam Zakaria & Md. Mashiur Rahaman

14h00 - 15h30

**Session WG2.3: Ship and systems
design and assessment**

Room: 02.3

Chaired by: Kostas Belibassakis
& Ivan Sulovsky

A combined PyGeM–OpenFOAM framework for
ship hull dataset generation

C. Giovannini & A. Dashtimanesh

Spectral characteristics of propeller torque in
CFD simulations using polyhedral grids

I. Sulovsky & J. Prpić-Oršić

Real-time simulation study for feasibility
assessment of a charging station at the North
Sea

*H. Islam, H. Diepeveen, J. Wilde, E.H. Huernink, B.
Berg, M. Palm, H. Vaags & R. Will*

Comparative assessment of container and bulk
carrier performance and CO2 emissions in actual
seaways

*H.S. Abdelwahab, J. Prpić-Oršić
& C. Guedes Soares*

16h00 - 17h30

**Session WG5.5: Strategic pathways for
maritime decarbonisation**

Room: 02.3

Chaired by: Nikola Vladimir
& Haitong Xu

A bibliometric assessment of the evolution and
research trends of maritime decision support
systems

*I. Jovanović, C. Kontovas, F.P. Santos,
G. Panagakos, H.T. Xu, C. Guedes Soares
& N. Vladimir*

Design for agility: Enabling vessel readiness for
the energy transition

*C. De Martinis, B. Lagemann, K. Vouroutzis,
E. Fragkoulis, P. Hermosilla, S. González Gómez,
S.O. Erikstad & D. Singer*

Navigating the Net-Zero Framework: Optimal
investment pathways for container fleets under
tiered penalties and operational constraints

*J.S. Heibel, G. Fantasia, M. Barfod
& G. Panagakos*

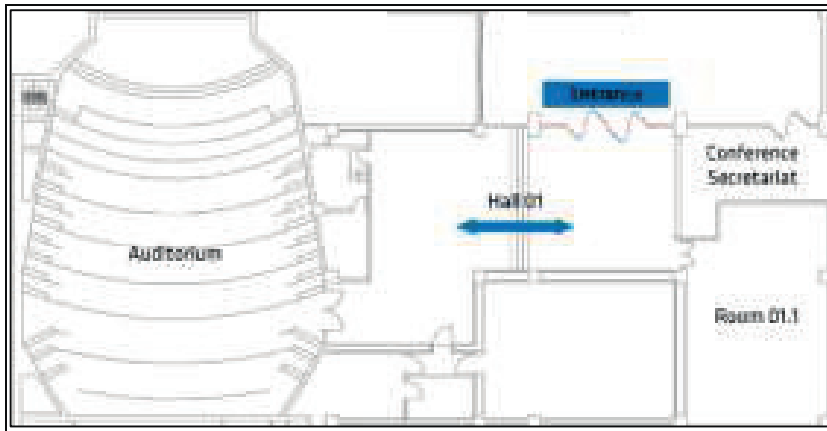
Energy system optimization and emissions
pricing – A comparative study of alternative
generation concepts for future ships

M. Molinski, J. Ihrens & T.A. Kern

DeWaTra 2026 Conference Venue

The technical sessions of the DeWaTra 2026 Conference will be held at the IST's Congress Centre located at the Alameda Campus, on the Lower Ground Level 01 and Level 02 of the Civil Engineering Building.

IST's Congress Centre

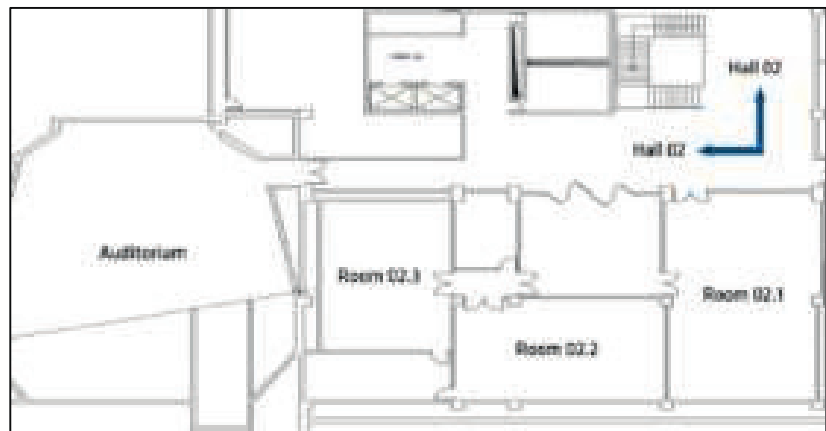


Lower Ground

Floor 01

Lower Ground

Floor 02



The MAP below shows the location of the IST's Congress Centre in the Campus, and the location of the Hotel Holiday Inn Lisboa where lunches will be served for the registered participants with lunch tickets.



Holiday Inn Lisboa

**IST
Congress
Centre**

Notes

DeWaTra 2026 Sponsored by and Supported by

Supported by



Organised by



CENTRE FOR MARINE TECHNOLOGY AND OCEAN ENGINEERING