



TÉCNICO
UNIVERSIDADE
DE LISBOA

CENTEC

CENTRE FOR MARINE TECHNOLOGY AND OCEAN ENGINEERING



ORDEM
DOS
ENGENHEIROS

8th International Conference on Maritime Technology and Engineering

MARTECH 2026 PROGRAMME



27 - 29 May 2026

IST Congress Centre
LISBON, PORTUGAL

ORGANIZATION

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	B. Zincir, Istanbul Technical University, Turkey

SCHEDULE AT A GLANCE

Wednesday, 27 May 2026 - Registration (from 8h00 onwards)				
IST Congress Centre				
Opening Session (9h00-09h30) C. Guedes Soares & Francisco C. Salvado				
Keynote Lectures 1 (09h30-11h00) The multifunctional vessel: from scientific roles to unmanned vehicles (UXV) operations – P.J. Barbosa Rodrigues Mystic Invest Holding, the present fleet, I&D and future projects – Hugo Bastos Transtejo Soflusa, S.A. (TTSL) Electric Ferry Operations – Rui Rei The WindFloat®: Expanding the Potential of Offshore Wind in Portugal – Carlos Bicho				
Coffee-break (11h00-11h30)				
Room: 02.1 Session 1.1 (11h30-13h00) Ship Design – Small Vessels	Room: 02.2 Session 2.1 (11h30-13h00) Shipbuilding and Repair	Room: 02.3 Session 3.1 (11h30-13h00) Ship Design – Sensors and Equipment	Room: 01.1 Session 4.1 (11h30-13h00) Renewable Energy Resources – Hydrodynamics	Room: Auditorium Session 5.1 (11h30-13h00) Ship Design – Structures 1
Lunch (13h00-14h30)				
Room: 02.1 Session 1.2 (14h30-16h00) Ship Design – Hydrodynamics 1	Room: 02.2 Session 2.2 (14h30-16h00) Maritime Transportation and Ports 1	Room: 02.3 Session 3.2 (14h30-16h00) Autonomous Surface Vessels	Room: 01.1 Session 4.2 (14h30-16h00) Renewable Energy Resources – Photovoltaic	Room: Auditorium JETM 2026
Coffee-break (16h00-16h30)				
Session 1.3 (16h30-18h00) Ship Design – Hydrodynamics 2	Session 2.3 (16h30-18h00) Maritime Transportation and Ports 2	Session 3.3 (16h30-18h00) Autonomous Underwater Vehicles	Session 4.3 (16h30-18h00) Offshore Energy Resources	JETM 2026

SCHEDULE AT A GLANCE

Thursday, 28 May 2026 - Registration (Hall 01 – from 8h30 onwards)				
Room: 02.1 Session 1.4 (09h00-10h30) Ship Design – Motions & Waveloads	Room: 02.2 Session 2.4 (09h00-10h30) Ship Design – Composites 1	Room: 02.3 Session 3.4 (09h00-10h30) Marine Environment 1	Room: 01.1 Session 4.4 (09h00-10h30) Renewable Energy Devices in Ships 1	Room: Auditorium
Coffee-break (10h30-11h00)				
Session 1.5 (11h00-12h30) Ship Design – Manoeuvring	Session 2.5 (11h00-12h30) Ship Design – Composites 2	Session 3.5 (11h00-12h30) Marine Environment 2	Session 4.5 (11h00-12h30) Renewable Energy Devices in Ships 2	
Lunch (12h30-14h00)				
Room: 02.1 Session 1.6 (14h00-15h30) Ship Design – Propellers	Room: 02.2 Session 2.6 (14h00-15h30) Ship Design – Hydroelasticity	Room: 02.3 Session 3.6 (14h00-15h30) Underwater Noise	Room: 01.1 Session 4.6 (14h00-15h30) Ship Operation – Carbon Capture	Room: Auditorium JETM 2026
Coffee-break (15h30-16h00)				
Session 1.7 (16h00-17h50) Ship Design – Energy Efficiency 1	Session 2.7 (16h00-17h50) Ship Operation - Environmental Perception	Session 3.7 (16h00-17h50) Fishing and Aquaculture 1	Session 4.7 (16h00-17h50) Ship Operation – Emissions	JETM 2026
20h00 - Conference Dinner				

SCHEDULE AT A GLANCE

Friday, 29 May 2026 - Registration (Hall 01 – from 8h30 onwards)				
Room: 02.1	Room: 02.2	Room: 02.3	Room: 01.1	Room: Auditorium
Session 1.8 (09h00–10h30) Ship Design – Machinery and Alternative Fuels 1	Session 2.8 (09h00–10h30) Ship Design – Structures 2	Session 3.8 (09h00–10h30) Ship Operation – Collision risk and avoidance 1	Session 4.8 (09h00–10h30) Renewable Energy Resources – Waves	
Coffee-break (10h30–11h00)				
Session 1.9 (11h00–12h30) Ship Design – Machinery and Alternative Fuels 2	Session 2.9 (11h00–12h30) Ship Design – Structures 3	Session 3.9 (11h00–12h30) Ship Operation – Collision risk and avoidance 2	Session 4.9 (11h00–12h30) Renewable Energy Resources – Wind 1	
Lunch (12h30–14h00)				
Room: 02.1	Room: 02.2	Room: 02.3	Room: 01.1	Room: Auditorium
Session 1.10 (14h00–15h30) Ship Design – Energy Efficiency 2	Session 2.10 (14h00–15h30) Ship Design – Structures 4	Session 3.10 (14h00–15h30) Ship Operation – Collision risk and avoidance 3	Session 4.10 (14h00–15h30) Renewable Energy Resources – Wind 2	JETM 2026
Coffee-break (15h30–16h00)				
Session 1.11 (16h00–17h50) Ship Design – Energy Efficiency 3	Session 2.11 (16h00–17h50) Ship Design – Structures 5	Session 3.11 (16h00–17h50) Fishing and Aquaculture 2	Session 4.11 (16h00–17h50) Renewable Energy Resources – Wind 3	JETM 2026
End of the MARTECH 2026 Conference				

SESSIONS IN ALPHABETICAL ORDER

Autonomous Surface Vessels - Wednesday, 27/05/2026, Session 3.2, 14h30-16h00, Room: 02.3

Autonomous Underwater Vehicles - Wednesday, 27/05/2026, Session 3.3, 16h30-18h00, Room: 02.3

Fishing and Aquaculture 1 – Thursday, 28/05/2026, Session 3.7, 16h00-17h50, Room: 02.3

Fishing and Aquaculture 2 – Friday, 29/05/2026, Session 3.11, 16h00-17h50, Room: 02.3

Marine Environment 1 – Thursday, 28/05/2026, Session 3.4, 09h00-10h30, Room: 02.3

Marine Environment 2 – Thursday, 28/05/2026, Session 3.5, 11h00-12h30, Room: 02.3

Maritime Transportation and Ports 1 - Wednesday, 27/05/2026, Session 2.2, 14h30-16h00, Room: 02.2

Maritime Transportation and Ports 2 - Wednesday, 27/05/2026, Session 2.3, 16h30-18h00, Room: 02.2

Offshore Energy Resources - Wednesday, 27/05/2026, Session 4.3, 16h30-18h00, Room: 01.1

Renewable Energy Devices in Ships 1 - Thursday, 28/05/2026, Session 4.4, 09h00-10h30, Room: 01.1

Renewable Energy Devices in Ships 2- Thursday, 28/05/2026, Session 4.5, 11h00-12h30, Room: 01.1

Renewable Energy Resources - Hydrodynamics - Wednesday, 27/05/2026, Session 4.1, 11h30-13h00, Room: 01.1

Renewable Energy Resources – Photovoltaic - Wednesday, 27/05/2026, Session 4.2, 14h30-16h00, Room: 01.1

Renewable Energy Resources – Waves - Friday, 29/05/2026, Session 4.8, 09h00-10h30, Room: 01.1

Renewable Energy Resources – Wind 1 - Friday, 29/05/2026, Session 4.9, 11h00-12h30, Room: 01.1

Renewable Energy Resources – Wind 2 - Friday, 29/05/2026, Session 4.10, 14h00-15h30, Room: 01.1

Renewable Energy Resources – Wind 3 - Friday, 29/05/2026, Session 4.11, 16h00-17h50, Room: 01.1

Ship Design – Composites 1 - Thursday, 28/05/2026, Session 2.4, 09h00-10h30, Room: 02.2

Ship Design – Composites 2 - Thursday, 28/05/2026, Session 2.5, 11h00-12h30, Room: 02.2

Ship Design – Energy Efficiency 1 – Thursday, 28/05/2026, Session 1.7, 16h00-17h50, Room: 02.1

Ship Design – Energy Efficiency 2 – Friday, 29/05/2026, Session 1.10, 14h00-15h30, Room: 02.1

Ship Design – Energy Efficiency 3 – Friday, 29/05/2026, Session 1.11, 16h00-17h50, Room: 02.1

Ship Design – Hydrodynamics 1 - Wednesday, 27/05/2026, Session 1.2, 14h30-16h00, Room: 02.1

Ship Design – Hydrodynamics 2 - Wednesday, 27/05/2026, Session 1.3, 16h30-18h00, Room: 02.1

Ship Design – Hydroelasticity – Thursday, 28/05/2026, Session 2.6, 14h00-15h30, Room: 02.2

Ship Design – Machinery and Alternative Fuels 1 – Friday, 29/05/2026, Session 1.8, 09h00-10h30, Room: 02.1

Ship Design – Machinery and Alternative Fuels 2 – Friday, 29/05/2026, Session 1.9, 11h00-12h30, Room: 02.1

Ship Design – Manoeuvring – Thursday, 28/05/2026, Session 1.5, 11h00-12h30, Room: 02.1

Ship Design – Motions & Waveloads – Thursday, 28/05/2026, Session 1.4, 09h00-10h30, Room: 02.1

Ship Design – Propellers – Thursday, 28/05/2026, Session 1.6, 14h00-15h30, Room: 02.1

Ship Design – Sensors and Equipment - Wednesday, 27/05/2026, Session 3.1, 11h30-13h00, Room: 02.3

Ship Design – Small Vessels - Wednesday, 27/05/2026, Session 1.1, 11h30-13h00, Room: 02.1

Ship Design – Structures 1 – Wednesday, 27/05/2026, Session 5.1, 11h30-13h00, Room: Auditorium

Ship Design – Structures 2 – Friday, 29/05/2026, Session 2.8, 09h00-10h30, Room: 02.2

Ship Design – Structures 3 – Friday, 29/05/2026, Session 2.9, 11h00-12h30, Room: 02.2

Ship Design – Structures 4 – Friday, 29/05/2026, Session 2.10, 14h00-15h30, Room: 02.2

Ship Design – Structures 5 – Friday, 29/05/2026, Session 2.11, 16h00-17h50, Room: 02.2

Shipbuilding and Repair - Wednesday, 27/05/2026, Session 2.1, 11h30-13h00, Room: 02.2

Ship Operation – Carbon Capture – Thursday, 28/05/2026, Session 4.6, 14h00-15h30, Room: 01.1

Ship Operation – Collision risk and avoidance 1 – Friday, 29/05/2026, Session 3.8, 09h00-10h30, Room: 02.3

Ship Operation – Collision risk and avoidance 2 – Friday, 29/05/2026, Session 3.9, 11h00-12h30, Room: 02.3

Ship Operation – Collision risk and avoidance 3 – Friday, 29/05/2026, Session 3.10, 14h00-15h30, Room: 02.3

Ship Operation – Emissions – Thursday, 28/05/2026, Session 4.7, 16h00-17h50, Room: 01.1

Ship Operation – Environmental Perception – Thursday, 28/05/2026, Session 2.7, 16h00-17h50, Room: 02.2

Underwater Noise – Thursday, 28/05/2026, Session 3.6, 14h00-15h30, Room: 02.3

Wednesday, 27 May 2026

09h00 to 09h30
Opening Session Auditorium
Presided by: President of IST, President of OE, C. Guedes Soares & F.C. Salvado

Opening Addresses by

C. Guedes Soares
Francisco Salvado
President of OE
President of IST

09h30 - 11h00
Keynote Lectures Auditorium
Chaired by: C. Guedes Soares & Francisco C. Salvado

The multifunctional vessel: From scientific roles to unmanned vehicles (UXV) operations
Paulo J. Barbosa Rodrigues, Portuguese Navy

Mystic invest holding, the present fleet, I&D and future projects
Hugo Bastos, Mystic Cruises

Transtejo Soflusa, S.A. (TTSL) Electric Ferry Operations
Rui Rei, Transtejo Soflusa

The WindFloat®: Expanding the Potential of Off-shore Wind in Portugal
Carlos Bicho, Principle Power

11h30 - 13h00
Session 1.1: Ship Design – Small Vessels Room: 02.1
Chaired by: Marco Gaiotti & Tiago Santos

Feature extraction and fusion based parametric modeler for ships
YC. Guo, XM. Guo & WL. Luo

Topology optimization for weight reduction in GRP yacht hulls
M. Gaiotti, S. Ghelardi, C.M. Rizzo & G. Vergassola

A ship synthesis model for the optimization of medium size surface warships
T.A. Santos

Hydrodynamic analysis and additive manufacturing design of a small fishing vessel
T.P. Mazarakos, S. Dimitrellou, L. Alexandris & S. Sarantidis

14h30 - 16h00
Session 1.2: Ship Design – Hydrodynamics 1 Room: 02.1
Chaired by: Hossein Ghaemi & Bingjie Guo

Surge force comparison for bow-modified barges using BEM and CFD
A.H. Jebelli, H. Zeraatgar & M.H. Ghaemi

Different theoretical methods for ship speed through water estimation
B.J. Guo, Y.E. Liu, H.A. Tvette, B.J. Vartdal, P. Gupta & S. Steen

Uncertainty assessment of rapid prediction models for passing ship loads on moored ships
H.S. Abdelwahab & C. Guedes Soares

Experimental uncertainty analysis of added resistance in regular and irregular short waves
ZW. Zhang, N. Ma & QQ. Shi

16h30 - 18h00
Session 1.3: Ship Design – Hydrodynamics 2 Room: 02.1
Chaired by: Ermina Begović & José Miguel Rodrigues

Modern flooding simulation for civilian and naval vessels
J.M. Rodrigues

Revisiting second-generation intact stability criteria level 2 for pure loss of stability and parametric roll: A sensitivity study
O. Nwafor, K. Garme & M. Palmquist

Validation of a numerical CFD procedure for predicting hydrodynamic forces in a T-Foil for pleasure vessel applications
S. Rasori & D. Villa

Hydrodynamic model of active fin stabilizers applied to a naval ship
G. Rosano, E. Begović, M. Calori, P. Cappiello & F. Evangelista

11h30 - 13h00
Session 2.1: Shipbuilding and Repair Room: 02.2
Chaired by: Ângelo Teixeira & Tatiana Gurova

Laser scanning in shipbuilding: Applications for digitalization and quality control
F.C. Peres, J.M. Cruz & A.P. Teixeira

Viability of reusing decommissioned naval steel in steel plate replacement and maintenance of marine structures
H.F. Werner, B.H. dos Santos, B.A. Cunha, J.L.P. Quispe, M.I. Lourenço, S.F. Estefen, J.H. Chujutalli & T. Gurova

A forensic finite element analysis of early-life hull girder damage in aluminum high-speed craft
F. Belga, A. Duarte, M. Leal, R. Prazeres & L. Batista

MBSE-based DT system design for sustainable and integrated ship design and production
C. Ye, YK. Jeong, HW. Yunusa & A. Dashtimanesh

14h30 - 16h00
Session 2.2: Maritime Transportation and Ports 1 Room: 02.2
Chaired by: Yordan Garbatov & Lúcia Moreira

Assessment of machine learning models for developing a winter navigation risk index for the Baltic Sea
P. Chodnicki, F. Zarzycki, M. Zyczkowski, F. Gajgal, M. Gutkowski, P. Sarnowski, T. Grabowicz, J. Montewka & L. Lu

Large language model-assisted weather routing for energy-efficient voyage optimization in shipping
M. Taghavi, K. Demmich, M. Pontius, A. Patraucean, L. Cucos & L.P. Perera

Data-driven predictive modeling for vessel performance and logistics optimization
M.I. Gaitanos, R. Van Der Meer & I. Lazakis

Analysis of connection forces in articulated tug-barge systems across various operational conditions
Y. Garbatov, P. Georgiev & P. Yanakiev

16h30 - 18h00
Session 2.3: Maritime Transportation and Ports 2 Room: 02.2
Chaired by: Manuel Ventura & Tiago Santos

A clustering evaluation for bulk cargo ports in Brazil using K-Means
R.B. Pieper & T.P. Tancredi

Predictive cost modeling for inland fleets under seasonal constraints
P. Stoiber, H. Reis, H. Moraes & M.R. Moraes

Strategies for mitigating tugboat emissions using a data-drive approach

A. Mujal-Colilles, M. Vigo, N. Pla, L. Niyazi, C. Borén, F.X. Martínez de Osés, J. Ribet & M. Castells-Sanabra

Cybersecurity risk detection in maritime transport using AI-based behavioural modelling
T. Neumann

11h30 - 13h00
Session 3.1: Ship Design – Sensors and Equipment Room: 02.3
Chaired by: Xueliang Wang & Mário Mendes

Ship model telemetry system and RL speed control system in simulated vessel
E. Anastopoulou, V. Karystinos, G.P. Trachanas, D.E. Liarokapis & G. Papalamprou

A CubeSat Backbone for maritime IoT: MICE-1 mission design and lessons learned
C. Spandonidis, F. Giannopoulos, Z. Tzioridis, A. Petsa & V. Prekas

Integrating HUMS, predictive maintenance and federated learning for advanced ship operation in shipping 4.0
E. Yfantis, S. Neophytou, P. Savvidis & R. Bratskas

Evaluation of a novel power and carbon capture system integration for an LNG carrier
E. Güler & S. Ergin

14h30 - 16h00
Session 3.2: Autonomous Surface Vessels Room: 02.3
Chaired by: Miguel Hinostroza & Haitong Xu

Transfer learning-based computing architecture to support autonomous maritime operations
M. Adnan & L.P. Perera

An integrated method for the early design of autonomous ships

E. Eliopoulou, K. Louzis, A. Koimtoglou, D. Konovessis & N. Ventikos

Sandbox environment for evaluating safety-critical future autonomous ship navigation
L.P. Perera

Deep reinforcement learning for ship dynamic positioning: field trials on an autonomous ferry prototype
A. Sandberg, M. Hinostroza & A.M. Lekkas

16h30 - 18h00
Session 3.3: Autonomous Underwater Vehicles Room: 02.3
Chaired by: Shan Wang & Haitong Xu

Robust underwater cable localisation using Unscented Kalman Filter state estimation
A. Ghassemzadeh, H.T. Xu, C. Guedes Soares, J.L. Zhang & X.B. Xiang

Numerical study on the flexible flapping and gliding breaching of cownose ray pectoral fins
Z.X. Hou, G. Pan, Q.G. Huang, Y. Luo, S. Wang & C. Guedes Soares

Gain scheduled depth control of an underactuated AUV near the free surface
H.S. Li, G. Xiang, X.B. Xiang & C. Guedes Soares

Physically-constrained identification of hydrodynamics for a circular cylinder near the free-surface
H.S. Li, S. Wang, S. & C. Guedes Soares

Development and demonstration of autonomous marine robotic platforms for long-term surface and underwater operations – The ENDURUNS and MERLIN projects (ORAL PRESENTATION)
M. Papaalias

11h30 - 13h00
Session 4.1: Renewable Energy Resources – Hydrodynamics Room: 01.1
Chaired by: Kostas Belibassakis & Jialong Jiao

A comparative assessment of BEM codes for arrays of vertical cylinders
S. Sarantidis & T.P. Mazarakas

Simulation and validation of four-cylinder wake interference based on the immersion boundary method
D. Liu, X. Liu, Y. Zhang, S. Yang & Y. Liu

An experimental investigation of vortex-induced vibrations in single and tandem cylinder configurations
P. Tahmasebi, C. Guedes Soares & OK. Kinaci

Experimental evaluation of the dynamic behavior of an autonomous multifunctional buoy
D. Liarokapis, G. Katsaounis, G. Trachanas & G. Grigoropoulos

14h30 - 16h00
Session 4.2: Renewable Energy Resources – Photovoltaic Room: 01.1
Chaired by: Laura Castro Santos & Shan Wang

A roadmap tool for floating offshore photovoltaic energy
L. Castro-Santos, C. Fernández-Blanco, D. Cordal-Iglesias, A.E. Masdías Bonome & A.N. García Diez

Optimal design and performance analysis of hybrid mooring systems for floating photovoltaic platforms
W. Chen, S. Xu & C. Guedes Soares

Analysis of the economic viability of the Merganser offshore solar energy platform on the Canary Islands
C. Fernández-Blanco, D. Cordal-Iglesias, D. Fernández-Mira, A. Filgueira-Vizoso & R. Deporto Regueiro

Hydroelastic analysis of a membrane-based floating PV platform in extreme waves
SX. Huang & CH. Chen

16h30 - 18h00
Session 4.3: Offshore Energy Resources Room: 01.1
Chaired by: Laura Castro Santos & Lis Mara Silva

Cost estimation of mooring systems for a floating photovoltaic concept
T. Leventopoulou, Z. Jiang & J. Dai

Geospatial site screening for offshore floating photovoltaic deployment in the Adriatic Sea
S. Ramos-Marín, G.A. Abdelghany & C. Guedes Soares

Floating photovoltaic park on Lake Siutghiol: Energy performance, hydrological characteristics and environmental impact
F.A. Vasilică, C.A. Safta, F.V. Panaitescu, M. Panaitescu, I. Voicu & M.V. Vasilescu

A decision support tool for technical feasibility study of offshore production systems
M.A. Ferreira Reis, L.M.R. Silva & C. Guedes Soares

11h30 – 13h00
Session 5.1: Ship Design – Structures 1 Room: Auditorium
Chaired by: Yordan Garbatov & Joško Parunov

Risk-based structure strength design criteria for tourism floating bodies
X-Z. Wang, XL.Wang, N. Zhao , M-G. Tanga, J. Ding, X-K. Gu, X-Y. Zhang & X-M. Cheng

Surrogate modelling of global wave loads with application in structural reliability analysis of tankers
J. Parunov, A. Mikulić, M. Čorak & J. Prpić-Oršić

An efficient approach for reliability and sensitivity analysis of ship hull girders
A. Kakaie, N. Zhao & C. Guedes Soares

Thermal methods for the fatigue and fracture assessment of dissimilar joints in marine and submarine structures
G. Brando, F. Di Carolo F. Distefano, G. Epasto, V. Crupi, R. De Finis, D. Palumbo & U. Galietti

Thursday, 28 May 2026

09h00 - 10h30	
Session 1.4: Ship Design – Motions & Waveloads	
Room: 02.1	
Chaired by:	Xueliang Wang & Shan Wang

Epistemic uncertainty in short-horizon ship motion prediction for USVs
V.M. Asan, M. Körgessar & K. Tabri

Development of onboard comfort indices to support the preliminary design stage of pleasure yachts
R. Iannucci, N. Petacco, G. Vernengo & P. Gualeni

Machine learning model for predicting nonlinear roll motions of container ships in real operational environments
C. Nguyen, Y. Lee, N. Bakkers, H. Ocakli, M.C. Johnson & K.H. Chua

The study of design values for vertical wave loads of a 20,000 TEU containership based on new IACS wave data (ORAL PRESENTATION)
J. Yang, XL. Wang, HL. Si, CX. Jiang, N. Zhao & YT. Wang

11h00 - 12h30	
Session 1.5: Ship Design - Manoeuvring	
Room: 02.1	
Chaired by:	Weilin Luo & Lúcia Moreira

Simplified CFD methods for ship manoeuvrability: wave and attitude effects
J. Kan, D. Villa, B. Piaggio, M. Viviani & R. Tonelli

Evaluation of the first-order Nomoto model application for collision risk assessment in head-on encounter
E. Lotovskyi, B.M. Guerreiro Ramos, M.A. Ferreira Reis & A.P. Teixeira

Application of orthogonal algebraic polynomials for description of manoeuvring hydrodynamic forces
V. Ferrari, S. Sutulo & C. Guedes Soares

Improved ant colony algorithm based hierarchical path planning of marine vehicles under complex flow field
B. Yang, LG. Yao, ZB. Cheng & WL. Luo

14h00 - 15h30	
Session 1.6: Ship Design - Propellers	
Room: 02.1	
Chaired by:	Kostas Belibassakis & Hossein Ghaemi

A vortex element model for propeller interaction with twin rudder systems
D. Anevlavi, K. Belibassakis & A. Öster

Tip vortex suppression on high-loaded rim-driven pumpjet thrusters: comparison with conventional propellers
M. Lugaresi & S. Gaggero

Effect of pressure pore aspect ratio on cavitation and performance of marine propellers
E. Öztürk, B. Erbaş Öz, S. Özsayan, U.O. Ünal & E. Korkut

An integrated AI-based framework for system-level hull-propeller optimization under practical data constraints
F. Zhao, N. Song, X. Xie & Z. Hu

16h00 - 17h50	
Session 1.7: Ship Design – Energy Efficiency 1	
Room: 02.1	
Chaired by:	Kostas Belibassakis & Ermina Begović

Sea state effects on vessel hydrodynamics and structural integrity
C. Alacqua, P. Corigliano, G. Palomba & S. Haberl

Simplified Air Lubrication System model for ship propulsion performance in waves
K. Belibassakis, L.P. Perera & A. Öster

A theoretical and experimental study on microbubble drag reduction applied to marine propellers
P. Diaz-Torrijos, S. Sor, P. Lopez-Gavilan, A. Velázquez & A. Garcia-Magariño

Development of Hardwave-in-the-Loop tests for air lubrication systems in ships
I. Dermentzoglou, K. Belibassakis, D. Armanes & T. Pappas

Novel experimental setup to study microbubble drag reduction
P. Lopez-Gavilan, A. Cruz-Alonso, F. Terroba & A. Garcia-Magariño

09h00 - 10h30	
Session 2.4: Ship Design – Composites 1	
Room: 02.2	
Chaired by:	Nicholas Tsouvalis & Marco Gaiotti

Impact and quasi-static response of PVC/GRP marine sandwich laminates with and without cork inserts: Indenter effects
A.P. Abreu & L.S. Sutherland

Failure behavior analysis of composite cylindrical shells subjected to underwater explosion
Y. Deng, P. Zhang, J. Liu & YS. Cheng

Ballistic response and multi-objective optimization of bionic UHMWPE laminates with double-helicoidal lay-ups
DH. Gui, PC. Hu, XB. Li & W. Chen

Creep performance of an innovative adhesive fastening for ship repair
M.O. Quéméré, S. Paboeuf & J.P. Court

11h00 - 12h30	
Session 2.5: Ship Design – Composites 2	
Room: 02.2	
Chaired by:	Nicholas Tsouvalis & Leigh Sutherland

Can single-skin laminates structures of GRP hulls weigh less than sandwich ones?
M. Gaiotti, S. Ghelardi, C.M. Rizzo & G. Vergassola

Assessment of eco-sustainable thermoplastics produced through additive manufacturing for marine applications
S. Scattareggia Marchese, Y. Garbatov, G. Epasto, D. Rizzo & V. Crupi

Experimental study of the tensile and flexural properties of flax fiber reinforced composites for marine applications
I.E. Vichos, E.P. Bilalis, A.G. Markoulis & N.G. Tsouvalis

Composites structural design and analysis of biomimetic high-speed craft with hull frame reinforcement
H.R. Wang, Z.R. Chen, M. Tan, G. Xiang, X.B. Xiang & C. Guedes Soares

14h00 - 15h30	
Session 2.6: Ship Design - Hydroelasticity	
Room: 02.2	
Chaired by:	Jialong Jiao & Sarat Mohapatra

Uncertainty assessments for the hydroelastic response of a large floating flexible structure
P. Amouzadrad, S.C. Mohapatra & C. Guedes Soares

Experimental and numerical evaluation of hydro-elastically tailored windsurfer fins
P. Amossé, T.H. Howard, J.I.R. Blake & L.S. Sutherland

Oblique wave-current induced hydroelastic motions of a floating inter-connected platform
P. Amouzadrad, S.C. Mohapatra & C. Guedes Soares

Full-scale CFD-FEM simulation of a whole ship structure accounting for hydroelasticity
ZW. Chen, JL. Jiao, H. Xie & YF. Yang

16h00 - 17h50
Session 2.7: Ship Operation – Environmental Perception Room: 02.2
Chaired by: Ângelo Teixeira & Haitong Xu

A ship 3D object detection method considering laser point cloud intensity
D.D. Guo, Y. Yin, Q.F. Jing, F.B. Xiao, H.T. Xu & C. Guedes Soares

Transformer-enhanced ship type recognition algorithm
NX. Li, JX. Yang & DS. Xu

Adaptive detection of weak targets under strong clutter echo using enhanced radar images
Y. Zhang, B. Wu, W. Xia & C. Guedes Soares

Design and implementation of a decision support tool for ship energy efficiency
J.G. Costa, T.A. Santos & L.M.R. Silva

Experimental Study on Bottom-Vented Combustion Behavior of Ternary Lithiumion Batteries in Ro-Ro Ship (ORAL PRESENTATION)
Y. Yu, JF. Zhang, ZL. Yang & WD. Su

09h00 - 10h30
Session 3.4: Marine Environment 1 Room: 02.3
Chaired by: Mariana Bernardino & Sarat Mohapatra

An integrated statistical framework for metocean time series simulation
G. Clarindo, C. Guedes Soares & E. Vanem

On the relation between atmospheric circulation patterns and sea states in the North Atlantic
M. Bernardino, C. Bernardo & C. Guedes Soares

Long-term extreme regional estimates of significant wave height
G. Clarindo & C. Guedes Soares

Survey of machine learning methods for ocean wave parameter forecast
I. Yanchin & C. Guedes Soares

11h00 - 12h30
Session 3.5: Marine Environment 2 Room: 02.3
Chaired by: Sarat Mohapatra & Mariana Bernardino

Assessment of the wave conditions at the approaches to Portuguese ports
T. Gavazzoni & C. Guedes Soares

Comparison of wave spectral data from the WW3 model and coastal buoy measurements
M. Ré Henriques, J.L. López Hernández, D. Silva & C. Guedes Soares

Evaluating stereo-imaging systems for extreme wave observation in Nazaré, Portugal
M. Vieira, C. Guedes Soares & L. Pedro Almeida

Research on different illumination adaptability in stereo vision wave measurement
Z.H. Zhu, X.L. Wang, H.Y. Sun, Y.D. Chen & Q.H. Zhu

14h00 - 15h30
Session 3.6: Underwater Noise Room: 02.3
Chaired by: Lorenzo Moro & Manuel Ventura

Neural network-based surrogate modeling for vibroacoustic prediction of underwater structures
R.T. Azrak & B. Uğurlu

Experimental analysis of underwater radiated noise in shallow and deep water
M.S. Islam, K.M. Helal, L. Moro & M. Islam

Critical underwater infrastructure monitoring towards maritime safety, security, and resilience
L.P. Perera, J.P. Morten & A.K. Sydnese

Preliminary design of an autonomous buoy for continuous monitoring of underwater radiated noise
O. Aiello, C. Garibotto, M. Minetti, G. Mosaico & T. Pais

16h00 - 17h50
Session 3.7: Fishing and Aquaculture 1 Room: 02.3
Chaired by: Anna Mujal Colilles & Zhongchi Liu

Post-season smelt trap-net performance and potential as artificial spawning substrates in Pärnu Bay, Estonia
T. Arula, T. Raid, E. Sepp & L. Saks

Motion induced operability loss in fishing vessels: Preliminary results
O. Carrasco-Serra, T. Llull, A. Mujal-Colilles & M. Castells-Sanabra

Dynamic response of UHMWPE netting considering biofouling under extreme flow conditions
Y.H. Chen, M.C. Xu, B.Z. Yang, J. Yan & J. Pan

Perspectives and feasibility of seaweed marine platforms for offshore aquaculture
S.C. Mohapatra & C. Guedes Soares

A Transformer-based fishermen behaviour recognition using wearable sensors for maritime safety
C. Yang & C. Guedes Soares

09h00 - 10h30
Session 4.4: Renewable Energy Devices in Ships 1 Room: 01.1
Chaired by: Gaute Storhaug & Çaglar Karatuğ

CFD study of crescent-shaped wind propulsion units for maritime applications
H.B. Galdós-Lindao, J. Mas-Soler, C.M.P. Sampaio, M. Pinto, P. Von Pritzelwitz & F. Ruggeri

Solar-powered boat for delivering mail and small parcels on the Aeolian Islands
Y. Garbatov, G. Briguglio & V. Crupi

Study on decarbonization through the use of renewable energy sources on a cruise ship
M.V. Vasilescu, F.V. Panaitescu, M. Panaitescu & I. Voicu

Review of FerryBox systems for autonomous ocean observation and monitoring instruments for ships
F.P. Santos, C. Guedes Soares & A. Miguel Piecho Santos

11h00 - 12h30
Session 4.5: Renewable Energy Devices in Ships 2 Room: 01.1
Chaired by: Jonas W. Ringsberg & Çaglar Karatuğ

Evaluation of solar power application onboard from the perspective of carbon intensity indicator
Ç. Karatuğ & J.W. Ringsberg

Extreme strength assessment of wind assisted propulsion system
G. Storhaug, E.D. Nordpoll & B.J. Leira

Coupled aero-hydrodynamic analysis of wind-assisted ship motions
S. Hosseinzadeh, J. Banks, S.R. Turnock & D. Hudson

Roll induced wind loads for fatigue assessment of wind assisted propulsion systems
G. Storhaug, M.S. Stranden & B.J. Leira

14h00 - 15h30
Session 4.6: Ship Operation- Carbon Capture Room: 01.1
Chaired by: Selma Ergin & Çaglar Karatuğ

Thermal, environmental and economic analyses of an integrated carbon capture and thermoelectric power generation system onboard a tanker
F. Böbür & S. Ergin

Comparative assessment of carbon capture systems via a digital twin framework for ships
A.G. Elkafas & I. Lazakis

Evaluation of the Carbon Intensity Indicator performance of 25 bulk carriers
M. Kalajdžić, M. Vasilev & N. Momčilović

Carbon Intensity Indicator - Based assessment of LNG conversion of a container ship
Ç. Karatuğ, N. Vladimir & C. Guedes Soares

16h00 - 17h50
Session 4.7: Ship Operation - Emissions Room: 01.1
Chaired by: Tiago Santos & Lis Mara Silva

Decarbonizing port operations with shore power: emission reduction potential at the Port of HaminaKotka
E. Altarriba, V. Henttu & J. Sutela

Comparative assessment of emissions from road and inland waterway transport under European fleet modernization
A. Gaureanu, D.E. Carp & M.V. Vasilescu

Waste heat recovery and life cycle assessment in LNG shipping under carbon pricing
L.A. Díaz-Secades, G. Dominioni & L. Bilgili

Quantifying emissions and external costs in containerised cargo logistics: A Lisbon port case study
T.A. Santos, P.M. Batista Santos, M. Aguiar & R. Macário

Digital Twins for Ship Design: Architecture and Framework (ORAL PRESENTATION)
H. Yunusa, A. Dashtimanesh, U. Hollenbach & J. Östh

Friday, 29 May 2026

09h30 - 10h30
Session 1.8: Ship Design – Machinery and Alternative Fuels 1 Room: 02.1
Chaired by: Elias Yfantis & Hossein Ghaemi

Operational electric load variability assessment for shipboard battery energy storage system design
D. Belvisi & M. Figari

Cost assessment of shipping green ammonia and methanol for maritime utilisation to north Germany in 2050
Y. Dave, L. Baetcke, S. Ehlers & W. Grimme

Design decision support method to assess sustainability of alternative maritime fuels
A. Filippatos, D. Markatos, S. Didaskalou, T. Kalampoukas, K. Sykaras & A.Z. Papadakis

Conceptual design of an LOHC-based hydrogen supply system for marine applications
G. Tzortzinis, B. Christoff, M. Gude, M. Markiewicz & S. Stolte

11h00 - 12h30
Session 1.9: Ship Design – Machinery and Alternative Fuels 2 Room: 02.1
Chaired by: Elias Yfantis & Manuel Ventura

Thermomechanical assessment of a preliminary membrane-type cargo containment system design for liquid hydrogen
T.I. Mavrozoumis, G.D. Novas, E.P. Bilalis & N.G. Tsouvalis

Technical feasibility and required modifications for methanol conversion of LNG type C Tanks
L. Micoli, H. Khalifeh, A. Macocco & T. Coppola

A design decision-support tool for sustainable insulation material selection in LNG and LH2 membrane tanks
T. Kalampoukas, D. Markatos, A. Filippatos, A. Giannakis & A.Z. Papadakis

Marine biodiesel: advanced preservation and treatment system
L. Micoli, A. Macocco & T. Coppola

14h00 - 15h30
Session 1.10: Ship Design - Energy Efficiency 2 Room: 02.1
Chaired by: L. Prasad Perera & Tiago Santos

Energy efficiency classification for ‘Technologies Innovation Network’ eligibility
M. Boile, V.M. Perra, A. Papadakis, L. Sfyraki, S. Pappas, I. Gergis, S. Hildebrandt & B. Friedhoff

Monte Carlo sensitivity analysis of ship aerodynamic resistance to geometry input
A. Čalić & M. Katalinić

Deep learning towards marine engine fuel consumption prediction in ship operational conditions
M. Adnan, L.P. Perera & T. Roman

Mission planning framework for autonomous marine vehicles in seabed surveys
S.H. Ahmed, L.P. Perera & M. Adnan

16h00 - 17h50
Session 1.11: Ship Design - Energy Efficiency 3 Room: 02.1
Chaired by: Selma Ergin & Afonso Díaz-Secades

A unified methodology for modeling of thermoelectric generators applied to maritime decarbonization
R. Georgious, E. Salvadori & L.A. Díaz-Secades

Building a hull performance index with the use of machine learning for real-time ship efficiency and behavior assessment
V. Iliopoulos, A. Sampos, A. Petsa, C. Giordamlis & C. Spandonidis

Data-driven life cycle cost analysis and environmental impact assessment in shipping
M.O.F. Zahid & L.P. Perera

Unsteady hydrodynamics of ship bow thrusters with air injection (ORAL PRESENTATION)
M. Kazemi & N. Kornev

09h00 - 10h30
Session 2.8: Ship Design – Structures 2 Room: 02.2
Chaired by: Vincenzo Crupi & Guijie Shi

Strength assessment of an air-dropped AUV during water entry
YY. Cai, HF. Gao, XQ. Zhou & C. Guedes Soares

Experimental study on mechanical response of double shell structure under ice load
S. Gu, X. Chen, C. Wang & S. Ji

Ice breaking and water-entry characteristics upon rigid sphere impact
Y.H. Zhang, X.B. Li, W. Chen & P.C. Hu

Study of technical considerations influencing structural design of icebreakers for polar operations
G. Sohita, M. Avani, A. Prakashan, N. Vinayan & U.R. Harikrishnan

11h00 - 12h30
Session 2.9: Ship Design – Structures 3 Room: 02.2
Chaired by: Joško Parunov & Baiqiao Chen

Experimental and numerical investigation on ultimate strength of stiffened panels with clamped ends
C.F. Li, D.H. Liu, X.Q. Zhou, X.L. Wang & Z.Y. Dai

Comparison between flat and T-profile stiffener for small-scale test of hull box girder under bending load
J.P. Quispe, M.I. Lourenço, S.F Estefen, J.H. Chujutalli & T. Gurova

Critical analysis of the finite element approach for structural vibration calculations in cruise ship structures
G. Rognoni G, Kyaw Oo D'Amore, M. Biot & A. Iuliano

Uncertainty assessment of IACS buckling formulations for stiffened panels under biaxial compression
M. Elsaka & C. Guedes Soares

14h00 - 15h30
Session 2.10: Ship Design – Structures 4 Room: 02.2
Chaired by: Guijie Shi & Miguel Calvário

Structural failure analysis of containment systems under elastic boundary conditions
GJ. Shi, R. Zhang & D. Wang

A rapid prediction method for explosive response of trapezoidal corrugated plates based on machine learning
Y. Yang, Z. Zhao, Y. Zhang, X. Li, W. Chen & M. Li

iFEM-based shape sensing and damage identification on an experimental scaled-model ship backbone beam
J. Bardiani, A. Manes & C. Sbarufatti

Structural assessment of a ship-on-ship transport operation during towage
F. Belga, G. Teixeira, R. Prazeres & L. Batista

16h00 - 17h50
Session 2.11: Ship Design – Structures 5 Room: 02.2
Chaired by: Yordan Garbatov & Cesare Rizzo

Reconstruction of corrosion surface irregularities using SliceGAN
MH. Yan, Y. Dong, JP. Zuo, MH. Xu & Y. Garbatov

Meta-learning-based life prediction method for marine metallic materials
S. Zhao, W. Bao, Z. Yang & Z. Wu

Adaptation of technical rules by class societies for new maritime technologies
L.G.L. Farias, P.I.D. Lameira, L.T.M. Neto & M.P. Waknin

Application of the SED approach for the fatigue assessment of geometrically complex ship structural details
E. Capurro, C.M. Rizzo, M. Gaiotti & S. Ghelardi

Study on the dynamic response of corrugated sandwich plate subjected to electromagnetic loading
T. Wang, M.C. Xu, X.X. Li & J. Yan

09h00 - 10h30
Session 3.8: Ship Operation – Collision Risk and Avoidance 1 Room: 02.3
Chaired by: Anna Mujal Colilles & L. Prasad Perera

A data-driven framework for scenario generation for autonomous ships' collision avoidance systems
H. Rong, B. Zhang, J. Wang & Z. Yang

Real-time COLREGs-compliant collision avoidance with velocity obstacles and neural network control
H.B. Li, H.T. Xu, C. Guedes Soares & X. Wang

COLREGs-Compliance framework to evaluate collision avoidance capabilities in future autonomous vessels
H. Namazi & L.P. Perera

A layered COLREG-compliant collision-avoidance architecture for maritime autonomous surface ships
S. Serpa, H.T. Xu & C. Guedes Soares

11h00 - 12h30
Session 3.9: Ship Operation – Collision Risk and Avoidance 2 Room: 02.3
Chaired by: Weilin Luo & Ângelo Teixeira

Adaptive event-triggered obstacle avoidance formation control for multiple ASVs
RL. Liu, WJ. Zhang, H.T. Xu & C. Guedes Soares

Preliminary identification of unsafe control actions in mixed maritime traffic using System-Theoretic Process Analysis
XT. Liu & A.P. Teixeira

Assessment of the effect of ship domain and manoeuvring models on timely collision avoidance in crossing situations
E. Lotovskyi, D. Talpa, J.G. Costa & A.P. Teixeira

Traffic complexity modelling and assessment at anchorage areas
D. Liu & C. Guedes Soares

14h00 - 15h30
Session 3.10: Ship Operation – Collision Risk and Avoidance 3 Room: 02.3
Chaired by: Pedro Silveira & Haitong Xu

Autonomous collision avoidance decision-making for unmanned surface vehicles using duelling double deep Q network
ZW. Cui, W. Guan, H.T. Xu & C. Guedes Soares

Simulation-based assessment of ship collision avoidance options
P. Silveira, A.P. Teixeira & C. Guedes Soares

A ship collision avoidance decision method for multi-ship encounter based on Noisy-DDQN
Y.H. Song, M.D. Hou & H.Y. Wang

Collision risk assessment of offshore wind turbines under multi-source uncertainties
CX. Dai, K. Liu, TQ. Yu, S. Zong, JH. Shen & XR. Peng

16h00 - 17h50

Session 3.11: Fishing and Aquaculture 2

Room: 02.3

Chaired by: Elor Sepp & Lauri Saks

Status of pelagic fish stocks in the Baltic: the role of survey results in management process.
T. Raid, T. Arula, L. Saks & E. Sepp

Assessing the economic feasibility of commercial trawling for sticklebacks in the Eastern Baltic Proper
L. Saks, T. Raid, T. Arula, T. Kaup & E. Sepp

Optimizing experimental trawling for pelagic stock assessment: A case study from the Baltic Sea
E. Sepp, T. Kaup, T. Raid, T. Arula & L. Saks

Optimizing sampling protocols for estimating by-catch in European smelt trap nets
T. Arula, T. Raid, E. Sepp & L. Saks

Optimizing Gulf of Riga fisheries surveys: 2024 results and USV tests.
E. Sepp, T. Raid, T. Arula, L. Saks, G. Štrods, I. Putnis & R. Tetere

09h00 - 10h30

Session 4.8: Renewable Energy Resources – Waves

Room: 01.1

Chaired by: Sarat Mohapatra & José Gaspar

Weather window assessment for floating wind turbine maintenance on the Portuguese Coast
P.M. Anacleto, M. Bernardino & A.P. Teixeira

Development of a wave energy converter simulator for a floating offshore platform
J.P. Gonçalves, J.F. Gaspar, T.S. Hallak & M.J.G.C. Mendes

Spatiotemporal surrogate modeling of wave energy conversion farms
C. Stavropoulou, N. Faedo, A. Goude & M. Göteman

A two-way hybrid SPH-BEM model for coastal wave propagation
J. Tian, X.Q. Zhou & S.L. Sun

11h00 - 12h30

Session 4.9: Renewable Energy Resources – Wind 1

Room: 01.1

Chaired by: Lis Mara Silva & Thiago Hallak

Wake losses in an offshore wind farm under different inflow wind conditions and turbine spacings
YZ. Shao, Jie Liu & C. Guedes Soares

Influence of the maintenance policy on the operational service time of vessels supporting an offshore wind farm
L.M.R. Silva & C. Guedes Soares

Dynamic characteristics of floating offshore wind turbines
P. Tahmasebi, C. Guedes Soares & H. Zhang

Complex network based risk evolution for offshore jack-up wind turbine installation vessels
YN. Wu, X. Wang, WW. Hao & LL. Feng

14h00 - 15h30

Session 4.10: Renewable Energy Resources – Wind 2

Room: 01.1

Chaired by: Yordan Garbatov & Thiago Hallak

A reliability study of nylon mooring lines with respect to fatigue damage
K.P. Balachandran, B.J. Leira, M. Mokhtari, K. Larsen & S.S. Sørum.

Optimizing the VMD-TimesNet framework for short-term mooring tension prediction of floating offshore wind turbines
Y. Deng, L. Tao, X. Ren & M. Nuernberg

Finite element analysis of offshore wind turbine blades subjected to wind loads
XY. Kong & C. Guedes Soares

Hybrid frequency-time domain fatigue assessment of transition piece in jacket offshore wind turbine
BY. Liu, Y. Dong, SM. Ai, JF. Yin, J. Zhang & Y. Garbatov

16h00 - 17h50

Session 4.11: Renewable Energy Resources – Wind 3

Room: 01.1

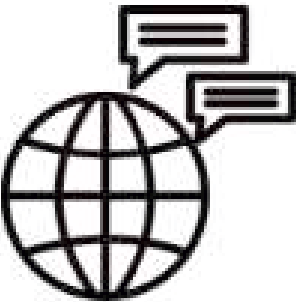
Chaired by: Mário Mendes & José Gaspar

An engineering tool for supporting industrial control design in the wind energy industry
A. Martinez-Inchusta, J.E. Sierra-García & M. Santos

Single- and multi-objective parameter identification for control-oriented FOWT models
S. Piernikowska & M. Tomas-Rodriguez

Learning to control floating offshore wind turbines with ANFIS
E. Muñoz-Palomeque, M. Santos & E. Sierra- García

Integrated static, dynamic, and cost-based optimization of shared mooring systems for floating offshore wind farms
J.A. Nunes, T.P. Tancredi, V.C. Dias & D.C. Zimmermann



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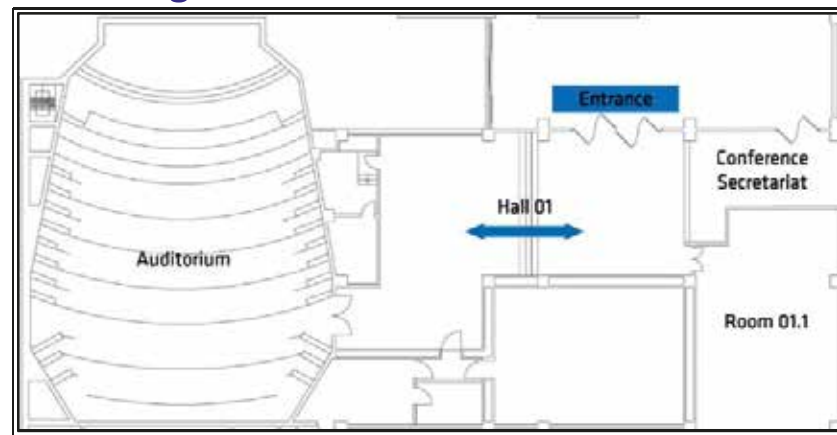
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MARTECH 2026 Conference Venue

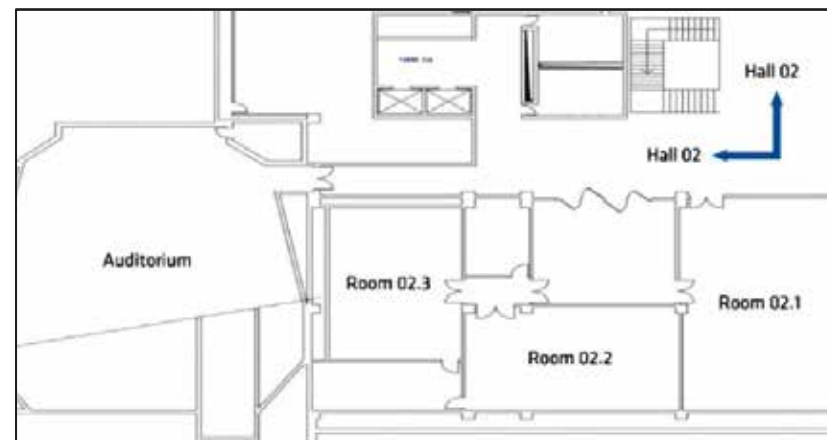
The technical sessions of the MARTECH2026 Conference will be held at the IST's Congress Centre located at the Alameda Campus, on the Lower Ground Level 01 and Level 02 of the Civil Engineering Building.

IST's Congress Centre



Lower Ground

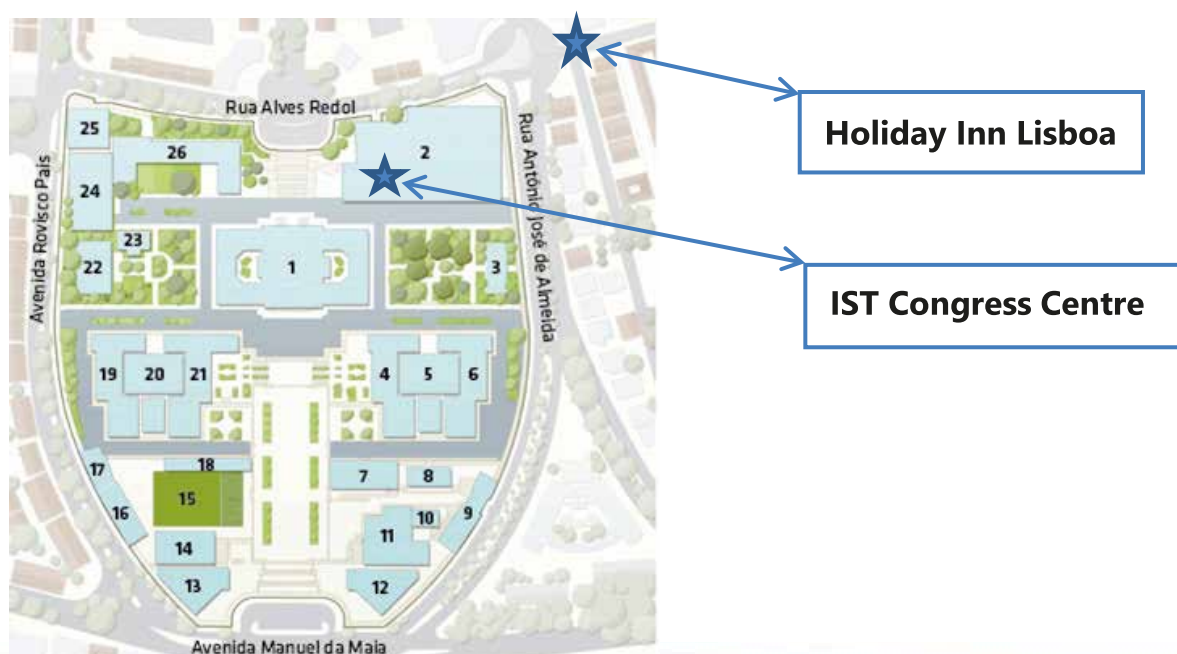
Floor 01



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.



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14h00 – 16h30 - Sessão III – Segurança, Qualidade e Inspeção

Moderador: Paula Carvalho	O Impacto da IA na Classificação de Navios - <i>Paulo Viana, DNV</i>	Inspeções UWILD em FPSO: Desafios, Tecnologias Melhores Práticas – <i>João Duarte Santos, SBM Offshore</i>	Remote Inspection Techniques - <i>Eduardo Mendes Antunes, Lloyds</i>	USV Project in Bureau Veritas, SMART Shipping and Regulatory Changes: Cybersecurity and Certification of Machine Learning, <i>Jaime Pancorbo, Bureau Veritas</i>	Early Fire Detection and Benefits of Water Mist Low Pressure Fire Extinguishing Systems, <i>Christophe Bernard e Nicolas Bremon - DEF Marine</i>	Segurança a bordo: da regulamentação à excelência em sinalização e sistemas Low Location Lighting (LLL). Engenharia, conformidade e avaliação de performance – <i>Tiago Pedrosa, Everlux</i>
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16h30 – 16h45 - Intervalo para café

16h45 – 18h15 - Sessão IV – Navios de Marinha

Moderador: Pedro Fonseca	Plataforma Naval Multifuncional- <i>Capitão-de-Mar e Guerra EN-AEL Bergano Pica, Marinha</i>	Navios Reabastecedores de Esquadra - <i>Capitão-de-Mar e Guerra EN-MEC Pires da Silva, Marinha</i>	Navios de Patrulha Oceânicos da 3ª Série - <i>Capitão-de-Mar e Guerra EN-MEC Leal das Neves, Marinha</i>
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14h00 – 15h45 - Sessão V – Embarcações de Recreio

Moderador: Francisco Salvador	Panorama actual da construção de recreio em Portugal- <i>Vasco Melo Gonçalves, Nautic Press</i>	A Náutica em Portugal: o seu peso real, desafios e oportunidades - <i>Miguel Ferreira, ACAP Divisão Náutica</i>	A estratégia industrial da Brunswick na Europa, capacidade e inovação na engenharia portuguesa - <i>Alan Afonso, Brunswick</i>	JEHOL – A Construção de um Catamaran Oceânico de 43' utilizando materiais compostos pelo processo de infusão - <i>Fernando Seta, Trimarine</i>
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15h45 – 16h00 Intervalo para café

16h00 – 18h00 - Sessão VI – Projeto e Inovação, Transição Energética, IA

Moderador: Jorge Antunes	Metodologia e Controlo de Qualidade na Reparação e Construção Naval, com Recurso a Nuvens de Pontos – <i>Francisco Peres e José Cruz, OCEAN Atlântica” - Jorge Antunes, Tecno Veritas</i>	Descarbonização da Frota de Primeiro Registo: Resultados e “A ECA Projecto Integral e Multi-Disciplinar de Navios, do Conceito à Produção – <i>Filipe Belga, VeraNavis</i>	Projecto Hydrogen Pioneer - <i>Jorge Antunes, Tecno Veritas</i>
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Lis Mara Silva, Técnico Lisboa

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Inscrições

<https://forms.gle/ibDos16kF1oeXzv18>

27 de Maio de 2026

09h00 – 09h30 - Sessão de Abertura
09h30 – 11h00 - Sessões Plenárias (ver programa MARTech 2026)
11h00 – 11h30 - Intervalo para café
13h00 – 14h00 - Intervalo para almoço
Sala: Auditório

14h00 – 16h00 - Sessão I - Transporte Marítimo e Portos

Moderador: Francisco Salgado
Descarbonização das Operações - <i>Pedro Frazão, Grupo Sousa</i>
Título a definir, <i>Hugo Bastos- Mystic Invest Holding</i>
As Indústrias Navais Portuguesas em Tempos de Decisões Estratégicas
Europeias e Nacionais - <i>Mário Pinho, Al Navais</i>
Logística Portuária – <i>Jorge Pinho d’Almeida, CPLS</i>

16h00 – 16h15 - Intervalo para café

16h15 – 18h15 - Sessão II – Estaleiros Navais

Moderador: João Santos
Inovação e Excelência na Manutenção de navios de Transporte de Gás Natural
Liquefeito - <i>Tiago Carvalho, LISNAVE</i>
Modernização, Crescimento e Inovação na Indústria Naval Portuguesa: O caso dos Estaleiros Navais de Peniche (2025-2026) - <i>Frederico Fernandes, Estaleiros Navais de Peniche</i>
O ressurgimento de um estaleiro com muita História - <i>Bruno Costa, Atlanticeagle Shipbuilding</i>
Estaleiros Navais, Passado/Presente e Futuro – <i>Jorge Monteiro, Nava/Rocha</i>

Centro de Congressos do IST
LISBOA, PORTUGAL
27 - 29 Maio 2026



PROGRAMA

JETM 2026

18^{as} Jornadas Engenharia e Tecnologia Marítima

CENTRE FOR MARINE TECHNOLOGY AND OCEAN ENGINEERING



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