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Reza Abbasi and Tom E. Baldock

Hydrodynamic Responses of an Oscillating Wave Surge Converter With an Adaptive-Geometry

Huu Phu Nguyen

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Port Strategy Analysis for Offshore Wind Farm Construction in the Bass Strait Region, Australia

Peggy Shu-Ling Chen, Stephen Cahoon, Hongjun Fan, Mark Cooper, and Marcus Haward

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Decommissioning and Repurposing of Offshore Oil & Gas Infrastructure

Machine Learning-Augmented Multi-Criteria Decision Analysis for Optimizing The Decommissioning of Subsea Assets

Jean-David Caprace, Carlos Eduardo Durange De Carvalho Infante, Claudio Violante Ferreira, Eduardo Ribeiro Nicolosi, and Marcelo Igor Lourenço de Souza

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Specialty Symposium on OTEC and Correlate Devices

Site Thermal Potential for OTEC

Performance Evaluation of a Hypothetical 5 MW OTEC in the Brazilian Blue Amazon Region That Offers the Best Overall Operational Cost-Benefit Ratio

Joel Sena Sales Junior, Roberto Valente de Souza, Daniel De Oliveria Costa, and Antonio Carlos Fernandes

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Cold Water Pipe and SWIR Design Challenges: VIV

Three-Dimensional Model of a Hanging Cold Water Intake Pipe With Internal Flow and Top-End Excitation

Ryoya Hisamatsu, Carlos A. Riveros-Jerez, and Tomoaki Utsunomiya

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Cold Water Pipe and SWIR Design Challenges: Installation

A Swarm of Floating Breakwaters to Protect a Floating OTEC Plant

Emerson M. de Andrade, Joel S. Sales Junior, and Antonio C. Fernandes

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OTEC and DOW for Offshore Islands

OTEC and DOWA for Sustainable Development of Remote Island of Fernando De Noronha in Brazil

Armando H. Shinohara, Luiz A. Magri, Cristine L. B. Moraes, Gustavo J. V. Xavier, Hissae Fujiwara, Ayako Ono, Yasuyuki Ikegami, Benjamin Martin, Flaminio Levy Neto, and Joel S. Sales Junior

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Smart and Sustainable Maritime Systems

General Topics in Smart and Sustainable Maritime Systems

Predictive Thermal Digital Twin Model for a Renewably Powered Offshore AUV Servicing Platform <i>Ayden Soderblom, Sung Wook Paek, Abhishek Bhattiprolu, and Olivier L. de Weck</i>	OMAE2025-152581
Proposal for a Conceptual Model for a Public Policy on Ship Dismantling Based on Multicriteria Analysis: Brazilian Case <i>Andre Ricardo Mendonca Pinheiro, Jean-David Job Emmanuel Marie Caprace, and Newton Narciso Narciso Pereira</i>	OMAE2025-155155
Predicting Route-Specific Energy Demand Under Realistic Environmental Behaviour <i>Christian Emmersberger, Tom Philipson, and Stefan Krüger</i>	OMAE2025-155994
Lithium-Ion Battery Degradation Forecasting Using Data-Driven Time Series Models <i>Kishan Patel, Athira Pulickakudy Salin, Merten Stender, Moritz Braun, and Sören Ehlers</i>	OMAE2025-156104
A VPP Derivative Optimisation Method for Wind-Assisted Cargo Ships Based on RANSE-CFD <i>Lars Schmitz, Mark Leslie-Miller, Annika Fitz, Sören Ehlers, and Marco Klein</i>	OMAE2025-156594
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Data-Driven Phase-Resolved Sea Surface Reconstruction From Synthetic X-Band Radar Data <i>Mathies Wedler, Nicolas Desmars, Merten Stender, Sören Ehlers, and Marco Klein</i>	OMAE2025-156721
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Case Study Based Investigation on Impact of Added Wave Resistance Models on Vessel Power Consumption and Routing <i>Tobias Lampe, Thorben Schwedt, Dheeraj B. Gosala, Cedric Fallet, Sören Ehlers, and Marco Klein</i>	OMAE2025-156760
Design and Optimization of a Hybrid Energy System for an Ice-Class Research Vessel <i>Dheeraj Gosala, Tobias Lampe, Gesa Ziemer, and Sören Ehlers</i>	OMAE2025-156801

The Effect of Icebreaker Assistance on the Attained Carbon Intensity Indicator of a Merchant Ship Operating in the Northern Baltic Sea
Ivan Mazanikov and Rob Hindley

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Analysis of Extreme Weather Factors for Ship Contact Accidents In Ports Over the Past 25 Years
Gabriel Chikelu, Mingyang Zhang, Sunil Basnet, Meriam Chaal, and Osiris Valdez Banda

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Machine Learning Based Computational Models for Increased Accuracy and Enabling Digital Twins
Mihkel Kõrgesaar and Muhammed Adil Yatkin

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Christopher Krause and Stefan Krüger

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Design, Optimization, and Control of a Hydrofoil System for High-Performance Marine Vessels
V. Bharath Mohan and Suresh Rajendran

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The Design of a Wing via Surrogate-Based Multi-Fidelity Bayesian Optimization
Oğuz Susam and Ömer Gören

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Effects of Second-Order Wave Load on Floating Offshore Wind Turbines Under Combined Wind and Wave Actions
Lin Yang, Xingya Feng, and Ye Li

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Learning From and Practice on the Teaching Philosophies of Professor Sander Calisal in High Education
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Nonlinear Hydrodynamics of Extreme Waves With Different Generation Mechanisms
Xingya Feng, Junnan Cui, and Qian Wu

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