

# Publication List – Scientific

*Updated Sept. 2024*

Janica Altea Bronson, Icaro Fonseca, Henrique Gaspar  
Challenges Towards an Integrated Digital Twin Platform for Maritime Systems: Tackling Shifts In Data Ownership - OMAE 2024  
<https://doi.org/10.1115/OMAE2024-136483>

Janica Altea Bronson, Icaro Fonseca, Henrique Gaspar, Fernando Luz  
Data Models in Ship Design and Construction – Insights from 4D BIM - IMDC 2024  
<https://doi.org/10.59490/imdc.2024.842>

Janica Altea Bronson, Fernando Luz, Icaro Fonseca, Henrique Gaspar  
Graph Databases for Multi-Domain Taxonomies in Maritime Systems - ECMS 2024  
<http://dx.doi.org/10.7148/2024-0250>

Pengcheng Ni, Jussi Kantola  
Taxonomy of knowledge management systems in a complex environment - International Conference on Applied Human Factors and Ergonomics (AHFE Conference)  
<http://doi.org/10.54941/ahfe1004933>

Junsong He, Yong Se Kim, Ludmila Seppälä  
A Service Blueprint Approach in Shipbuilding Activity Mapping - IMDC 2024  
<https://doi.org/10.59490/imdc.2024.827>

Jose Jorge Garcia Agis, Per Olaf Brett  
Digital Shipbuilding Needs, Challenges, and Opportunities - IMDC 2024  
<https://doi.org/10.59490/imdc.2024.849>

Herbert Koelman, Bastiaan Veelo, Ludmila Seppälä, Paul Filius  
Closing the gap between early and detailed ship design models - IMDC 2024  
<https://proceedings.open.tudelft.nl/imdc24/article/view/837/865>

Herbert Koelman  
Piping layout integrated in ship design and stability evaluation  
<https://doi.org/10.59490/imdc.2024.886>

Yasuo Ichinose, Henrique M. Gaspar  
Interactive ship flow simulation enhanced by neural network model in a web environment - ECMS  
<https://doi.org/10.7148/2023-0155>

Viktoriiia Koilo  
Decarbonization in the maritime industry: Factors to create an efficient transition strategy  
<https://www.businessperspectives.org/index.php/journals/environmental-economics/issue-460/decarbonization-in-the-maritime-industry-factors-to-create-an-efficient-transition-strategy>

Viktoriiia Koilo  
Conference on Sustainable Initiatives in Maritime Sector - SIM`24  
<https://app.cristin.no/results/show.jsf?id=2283071>

Giovanni A. Amara, Kazuo Nishimoto; Edgard B. Malta; Henrique M. Gaspar, Mehrnoosh Nickpasand, Rodolfo T. Gonçalves  
FOWT Hull Concept Assessments Considering the Design for Operability - Conference at ISOPE 2024



<https://onepetro.org/ISOPEIOPEC/proceedings-abstract/ISOPE24/All-ISOPE24/ISOPE-I-24-218/546606>

Ludmila Seppälä  
Integrated Shipbuilding Data Management  
[http://data.hiper-conf.info/compit2023\\_drubeck.pdf](http://data.hiper-conf.info/compit2023_drubeck.pdf)

Ludmila Seppälä  
Industry 5.0: Transforming ship design through human-centered approach  
<https://doi.org/10.59490/imdc.2024.865>

Maria Jose Legaz, Henrique M. Gaspar  
Computer Vision For Reverse Engineering In The Design, Simulation And Operation Of Maritime Systems  
ISSN: 2522-2414  
<https://doi.org/10.7148/2024-0234>