LIST OF PUBLICATIONS

CENTEC – Centre for Marine Technology and Ocean Engineering, Instituto Superior Técnico, University of Lisbon, Portugal

Publications Statistics

CENTEC - Total Number of Publications per Year (1998-2019)


CENTEC - Number of Papers by Type of Publication (2006-2019)

CENTEC List of Publications
# Table of Contents

Publications Statistics ............................................................................................................. 1

0. Edition of Journals and Books .......................................................................................... 3
   0.1 Journals .................................................................................................................. 3
   0.2 Books .................................................................................................................. 4
   0.3 Conference Proceedings ......................................................................................... 7

1. Marine Environment ......................................................................................................... 9
   1.1 Papers in Journals ............................................................................................... 9
   1.2 Papers in Books .................................................................................................. 15
   1.3 Conference Proceedings ...................................................................................... 26
   1.5 PhD Dissertations ............................................................................................... 32
   1.6 MSc Dissertations ............................................................................................... 33

2. Marine Dynamics and Hydrodynamics .......................................................................... 36
   2.1 Papers in Journals ............................................................................................... 36
   2.2 Papers in Books .................................................................................................. 49
   2.3 Conference Proceedings ...................................................................................... 64
   2.5 PhD Dissertations ............................................................................................... 68
   2.6 MSc Dissertations ............................................................................................... 69

3. Marine Structures ........................................................................................................... 82
   3.1 Papers in Journals ............................................................................................... 82
   3.2 Papers in Books .................................................................................................. 96
   3.3 Conference Proceedings ...................................................................................... 109
   3.5 PhD Dissertations ............................................................................................... 117
   3.6 MSc Dissertations ............................................................................................... 118

4. Ship Design And Maritime Transportation .................................................................... 120
   (Discontinued in 2008. Papers Integrated in Groups 2, 3 and 5)
   4.1 Papers in Journals ............................................................................................... 120
   4.2 Papers in Books .................................................................................................. 121
   4.3 Conference Proceedings ...................................................................................... 123

5 Safety, Reliability and Maintenance ................................................................................ 124
   5.1 Papers in Journals ............................................................................................... 124
   5.2 Papers in Books .................................................................................................. 135
   5.3 Conference Proceedings ...................................................................................... 150
   5.5 PhD Dissertations ............................................................................................... 160
   5.6 MSc Dissertations ............................................................................................... 161
0. EDITION OF JOURNALS AND BOOKS

0.1 Journals


0.1.4 Guedes Soares, C. (Editor) (2010-Present), Reliability Engineering and System Safety.


### 0.2 Books


0.3 Conference Proceedings


1. Marine Environment

1.1 Papers in Journals


1.1.95


1.2 Papers in Books


Shorelines and Tides, Oceanography and Ocean Engineering Series, pp. 269-276.


Soares, C., Garbatov, Y., Sutulo, S., Santos, T.A. (Eds.), Taylor and Francis Group, pp. 497-504.


1.3 Conference Proceedings


CENTEC - List of Publications 2019 32


1.5 PhD Dissertations


1.6 MSc Dissertations


2. Marine Dynamics and Hydrodynamics

2.1. Papers in Journals


CENTEC - List of Publications 2019 38
<table>
<thead>
<tr>
<th>List of Publications</th>
</tr>
</thead>
</table>


2.2 Papers in Books


CENTEC - List of Publications 2019 50


List of Publications


2.3 Conference Proceedings


**2.3.50**


**2.3.51**


**2.3.52**


**2.3.53**


**2.3.54**


**2.3.55**


**2.3.56**

**Moreira, L., Fossen, T.I. and Guedes Soares, C. (2005), “Modelling, Guidance and Control of “Esso Osaka” Model”, Proceedings of 16th International Federation of Automatic Control World Congress (IFAC ’05), 4-8 July, Prague, Czech Republic.**

**2.3.57**


**2.3.58**


**2.3.59**


**2.3.60**


**2.3.61**


**2.3.62**


**2.3.63**


**2.3.64**


**CENTEC - List of Publications 2019 68**


2.3.121 Perera, L.P., Carvalho, J.P. and Guedes Soares, C. (2010), ”Smooth transition between fuzzy regions to overcome decision failures in the boundary intersections of fuzzy membership functions: A case study of collision avoidance in ocean navigation”, Proceedings of the Uncertainty and Robustness in Planning and Decision Making (URPDM 2010), 15-17 April, Coimbra, Portugal.


CENTEC - List of Publications 2019 73


2.5 PhD Dissertations


2.5.15 Siow, C.L. (2016), “Numerical modelling for hydrodynamic behavior of round shape FLNG interacting with LNG carrier”, University of Technology Malaysia, Johor Bahru, Malaysia.


2.6 MSc Dissertations


2.6.6 Moreira, L. (2002), “Simulation of Ship Propulsion Systems and Manoeuvering Performance Based on Artificial Neural Networks”, University of Newcastle, United Kingdom.


2.6.8 Santos, F.M. (2005), “Hydroelastic Study of a Fast Patrol Boat”, University of Southampton, United Kingdom.


3. Marine Structures

3.1 Papers in Journals


List of Publications


3.2 Papers in Books


3.3 Conference Proceedings


3.5 PhD Dissertations


3.6 MSc Dissertations


4. **SHIP DESIGN AND MARITIME TRANSPORTATION** (Discontinued in 2008. Papers integrated in groups 2, 3 and 5.)

**4.1 Papers in Journals**


4.2 Papers in Books


4.3 Conference Proceedings


5 SAFETY AND LOGISTICS OF MARITIME TRANSPORTATION

5.1 Papers in Journals


CENTEC - List of Publications 2019 128


5.2 Papers in Books


5.3 Conference Proceedings


5.3.83 Marques, P.H., Jesus, V., Vairinhos, V., Olea, S.A. and Jacinto, C. (2010), “Application of data mining techniques to rail works safety”, Proceedings of the 5th Scientific Meeting ISLA - Data Mining and Business Intelligence, Methods and Applications, ISLA, Santarém, Portugal, pp.77-84.


5.5 PhD Dissertations


5.6 MSc Dissertations


