



Curriculum Vitae of Diogo Neves

PERSONAL INFORMATION

Full Name	Diogo Rúben Castelo Branco das Neves
National Identity Card	11921641
Birth Place and Date	Lisbon 03.08.1981
Address	Rua Duarte Galvão, nº6, 7º Esq, Lisboa 1500 - 254 LISBOA PORTUGAL
Telephone	(+351) 96 5368650
E-mail	sdiogo@msn.com
Nationality	Portuguese
Driving license	European category B

ACADEMIC DEGREES

- 2007 **GEOPHYSICAL SCIENCES COURSE SPECIALISATION IN METEOROLOGY AND OCEANOGRAPHY**
(5 years) (300 European credits)
Institution Faculty of Sciences - University of Lisbon, Portugal
Thesis *“Modelação matemática da hidrodinâmica em zonas costeiras”*. *Mathematical modelling of the hydrodynamics at coastal zones* (in Portuguese). See publications [T1]
Final Grade Degree: 13.2 out of 20.0
Thesis: 18.0 out of 20.0
- 2009 **MASTER IN GEOPHYSICAL SCIENCES**
Institution Faculty of Sciences - University of Lisbon, Portugal
Thesis *“Utilização de um sistema de informação geográfica para a modelação numérica em zonas portuárias”*. *Utilization of a geographical information system for the numerical wave modelling in harbour areas* (in Portuguese). See publications [T2]
Final Grade Degree: 17.0 out of 20.0
Thesis: 17.0 out of 20.0

ADDITIONAL TRAINING

- 2006/01 - 2006/06 Erasmus Student
Institution Catholic University of Louvain la Neuve, Cyclotron, Louvain-la-Neuve, Belgium
- 2006/09 - 2007/09 Research Trainee
Mathematical Modelling in Hydrodynamics at: (i) the Ocean Region of the Iberian Peninsula; (ii) River Douro Estuary and salinity intrusion modelling.
[T1] see publications

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| Institution | Department of Civil Engineering - University of Minho , Braga, Portugal |
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|---|---|
| <ul style="list-style-type: none"> • 2008/10 | Maritime Hydraulics Course
<i>Maritime Hydraulics: Numerical and physical Modelling.</i> |
| Institution | National Laboratory of Civil Engineering (LNEC), Lisbon, Portugal |
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|---|---|
| <ul style="list-style-type: none"> • 2009/03 | GIS Course
<i>Production and exploitation of geographical information: Numerical cartography, remote detection and GPS</i> |
| Institution | National Laboratory of Civil Engineering (LNEC) , Lisbon, Portugal |
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|---|--|
| <ul style="list-style-type: none"> • 2012/09 | Physical Modelling Course |
| Institution | National Laboratory of Civil Engineering (LNEC) , Lisbon, Portugal |
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| <ul style="list-style-type: none"> • 2014/07 | Computational Fluid Dynamics Course (36h) |
| Institution | National Laboratory of Civil Engineering (LNEC) , Lisbon, Portugal |
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| <ul style="list-style-type: none"> • 2015/06 | Linux for cluster users |
| Institution | National Laboratory of Civil Engineering (LNEC) , Lisbon, Portugal |
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| <ul style="list-style-type: none"> • 2015/07 | 1 st Portuguese meeting of OpenFOAM users |
| Institution | University of Minho (UMINHO), Guimarães, Portugal |
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| <ul style="list-style-type: none"> • 2015/07 | Summer School in “Measuring techniques for turbulent open-channel flows” |
| Institution | University of Lisbon - Instituto Superior Técnico, Lisbon. Portugal |
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| <ul style="list-style-type: none"> • 2015/09 | OpenFOAM Workshop |
| Institution | National Laboratory of Civil Engineering (LNEC) , Lisbon, Portugal |

CURRENT POSITION

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| <ul style="list-style-type: none"> • Since 2014/05 | PhD Research Grant Holder
Doctoral Program H2DOC - Air entrainment in wave breaking: experimental analysis and numerical modeling
Contract SFRH / BD /52483/2014; Funded by the Portuguese Science and Technology Foundation (FCT) |
| Institution | Instituto Superior Técnico da Universidade de Lisboa (IST - UL) Department of Hydraulics and Environment of the National Laboratory of Civil Engineering (LNEC), Lisbon, Portugal |

PREVIOUS POSITIONS

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| <ul style="list-style-type: none"> • 2008/01 - 2008/04 | Research Grant Holder
Ocean Wave Energy and Primary Production at Portuguese Waters
Contract PDCT/MAR/61463/2004; Funded by the Portuguese Science and Technology Foundation (FCT) |
| Institution | Department of Civil Engineering - University of Minho, Braga, Portugal |

- 2008/04 - 2008/08 Research Grant Holder
 Impact study of a fluvial park in the river Cávado hydrodynamics for flood conditions in the city of Barcelos, Portugal; Funded by the University of Minho (Portugal)

Institution Department of Civil Engineering - University of Minho, Braga, Portugal

- 2008/09 - 2011/12 Research Grant Holder
 GUIOMAR - Geographical interface for Coastal and marine modeling
 Contract PTDC/AMB/67450/2006; Funded by the Portuguese Science and Technology Foundation (FCT)

Institution Department of Hydraulics and Environment of the National Laboratory of Civil Engineering (LNEC), Lisbon, Portugal

- 2012/01 - 2014/04 Research Grant Holder
 SPACE - A Smoothed Particle Hydrodynamic model development and validation for Coastal Engineering applications
 Contract PTDC/ECM/114109/2009; Funded by the Portuguese Science and Technology Foundation (FCT)

Institution Department of Hydraulics and Environment of the National Laboratory of Civil Engineering (LNEC), Lisbon, Portugal

PROFESSIONAL EXPERIENCE

R & DT Projects

- 2007 Ocean Wave Energy and Primary Production at Portuguese Waters
 Contract PDCT/MAR/61463/2004; Funded by the Portuguese Science and Technology Foundation (FCT). See publications [J1] [C1-C2] [C9].

Project objectives:

 - To analyze remote sensing data (Satellite data);
 - To assess the sea state influence regarding the primary production cycle;
 - To build a mathematical model for the primary production.

My activities on the project:

 - Collect remote sensing data (Satellite data);
 - To analyze remote sensing data (Satellite data);
 - To assess the sea state influence regarding the primary production cycle;
 - To build a mathematical model for the primary production.

- 2008 Impact study of a fluvial park in the river Cávado hydrodynamics for flood conditions in the city of Barcelos, Portugal; Funded by the University of Minho (Portugal)

Project objectives:

- Analysis and evaluation of the river conditions due to the fluvial park;
- To build an hydrodynamic 2D finite element model;
- To execute flood simulations to analyze the fluvial park impact in flood conditions.

My activities on the project:

- Collect bathymetric information about the fluvial park in city of Barcelos and information about the flood conditions of the Cávado river;
- Analysis and evaluation of the river conditions due to the fluvial park;
- To build an hydrodynamic 2D finite element model;
- To execute flood simulations to analyze the fluvial park impact in flood conditions;

- 2008 GUIOMAR - Geographical interface for Coastal and marine modeling Contract PTDC/AMB/67450/2006; Funded by the Portuguese Science and Technology Foundation (FCT). See publications [T2] [J2-J6] [C3-C8] [C10-C15] [C19] [P1-P2] [P5] [R5].

Project objectives:

- To build a graphical user interface in a GIS environment for Coastal and Marine modeling using VBA (visual Basic for applications) programming language;
- To build a supported decision system based on GIS.

My activities on the project:

- To build a graphical user interface in a GIS environment for Coastal and Marine modeling using VBA (visual Basic for applications) programming language;
- To build a supported decision system based on GIS;
- To build a risk assessment tool for port navigation and coastal structures for extreme wave conditions;
- To perform study cases to test the GUIOMAR system.

- 2009 MICORE - Morphological Impacts and Coastal Risks Induced By Extreme Storm Events

Funded by the FP7 Framework programme

Project objectives:

- To develop a probabilistic mapping of the morphological impact of marine storms;
- To produce early warning and information systems to support long-term disaster reduction.

My activities on the project:

- To participate on field campaigns and analyze field data.

- 2009 MADYCOS - Multidisciplinary Integrated Analysis of the Sediment Dynamics and Fecal Contamination in Intermittent Coastal Systems
 Contract PTDC/ECM/66484/2006; Funded by the Portuguese Science and Technology Foundation (FCT)
 Project objectives:
 - To improve current understanding of the hydrodynamics, morphodynamics and potential for fecal contamination of intermitent coastal streams.
 My activities on the project:
 - To participate on field campaigns and analyze field data.

- 2010 BRISA - Breaking Waves and Induced Sand Transports
 Contract PTDC/MAR/65585/2006; Funded by the Portuguese Science and Technology Foundation (FCT). See publications [C16-C18] [P3-P4] [R1-R4].
 Project objectives:
 - To study the breaking wave phenomena and its influence in the sediment transport in coastal areas.
 My activities on the project:
 - To participate on field campaigns and analyze field data.
 - To perform physical modeling on a wave channel
 - To study wave breaking on a wave channel
 - To Improve physical modelling techniques on a wave channel

- 2010 DETI - Dynamics of ephemeral tidal inlets
 Contract PTDC/ECM/67411/2006; Funded by the Portuguese Science and Technology Foundation (FCT). See publications [R6].
 Project objectives:
 - To study the Dynamics of ephemeral tidal inlets
 My activities on the project:
 - To participate on field campaigns and analyze field data.

- 2012 EROS - Erosion of Rocky Shores - differences in protection promoted by sandy beaches and shore platforms.
 Contract PTDC/CTE-GIX/111230/2009; Funded by the Portuguese Science and Technology Foundation (FCT).
 Project objectives:
 - To study the Dynamics of sandy beaches and shore platforms
 My activities on the project:
 - To participate on field campaigns and analyze field data.

- 2012 SPACE - A Smoothed Particle Hydrodynamic model development and validation for Coastal Engineering applications

Contract PTDC/ECM/114109/2009; Funded by the Portuguese Science and Technology Foundation (FCT). See publications.

Project objectives:

- Set of results from physical model, including overtopping discharge
- Create a User-friendly interface for SPPhysics model
- Set of results from the field work, including bathymetry, waves, run-up and overtopping on a porous coastal structure
- Improvement of the actual version of the SPPhysics model

My activities on the project:

- Physical modeling.
- Create a User-friendly interface for SPPhysics model.
- Participate in the field campaigns.
- Improvement of the SPPhysics model for coastal structures

- 2012 HIDRALERTA - “*Sistema de previsão e alerta de inundações em zonas costeiras e portuárias*”- Alert and prediction system for flooding events on coastal areas.

Contract PTDC/AAC-AMB/120702/2010; Funded by the Portuguese Science and Technology Foundation (FCT).

Project objectives:

- To build an alert system for flooding events on coastal areas

My activities on the project:

- To participate on field campaigns and analyze field data.

Field Campaigns

- 2009/02 Sines Port, Sines, Portugal
Measurements: Waves (H,T,DIR)
Project GUIOMAR
- 2009/03 Faro Beach, Faro, Portugal
Measurements: Waves (H,T,DIR), Currents, Sediment transport (sediment traps)
Projects BRISA and MICORE
- 2009/05 Amoreira Beach, Aljezur, Portugal (1)
Measurements: Waves (H,T,DIR), Currents, Sediment transport (sediment traps), Water quality
Project MADYCOS
- 2009/09 Amoreira Beach, Aljezur, Portugal (2)
Measurements: Waves (H,T,DIR), Currents, Sediment transport (sediment traps), Water quality
Project MADYCOS
- 2010/04 Lagoa de Albufeira Beach, Sesimbra, Portugal
Measurements: Waves (H,T,DIR), Currents, Sediment transport (sediment traps), Water quality
Project DETI

- 2010/05 Costa de Caparica Beach, Costa de Caparica, Portugal
Measurements: Waves (H,T,DIR), Currents, Sediment transport (sediment traps)
Project BRISA
- 2011/02 Sines Port, Sines, Portugal
Measurements: Waves (H,T,DIR)
Project GUIOMAR
- 2012/03 Galé Beach, Albufeira, Portugal
Measurements: Waves (H,T,DIR)
Project EROS
- 2012/09 Costa da caparica, Portugal
Measurements: Waves (H,T,DIR)
Project HIDRALERTA

Academic Supervision

- 2010/09 Eng. Ricardo Saiote (research trainee)
1 month co-orientation working on a physical model (wave channel) for wave breaking studies, LNEC.
- 2010/10 Eng. Rui Reis (research trainee)
1 month co-orientation working on a physical model (wave channel) for wave breaking studies, LNEC.
- 2010/10 Eng. Marta Santos (research trainee)
1 month co-orientation working on a physical model (wave channel) for wave breaking studies, LNEC.
- 2010/11 Eng. Ricardo Jonatas (research trainee)
1 month co-orientation working on a physical model (wave channel) for wave breaking studies, LNEC.
- 2015/09 Eng. António Ribeiro Pires
Master Thesis “Velocity field modeling for free surface wave propagation” (In Portuguese), IST-UL / LNEC

Talks

- 2013/12 Sines Port, Sines, Portugal
 - Establishment wave regimes within ports
 - Application of the GUIOMAR System to the Port of Sines
 Project GUIOMAR
- 2015/09 LNEC, Lisbon, Portugal
 - 1st H2Doc Workshop “Air Entrainment in wave breaking experimental and numerical modeling”

Conference Organization

- 2012/03 Jornadas de Investigação e Inovação LNEC (Workshops on Research and Innovation of LNEC (National Laboratory of Civil Engineering)
LNEC, Lisbon, Portugal

Workshop Organization

- 2011/02 The GUIOMAR Project (Risk Assessment for port navigation)
Sines Port, Sines, Portugal

COMPUTING SKILLS

Competent with Microsoft software, UNIX and LINUX systems

- Experienced with FORTRAN, VISUAL BASIC, LABVIEW, C++, JAVA and MATLAB programming languages
- Experienced with the OpenFoam, SPHysics, DualSPHysics, RMA2, RMA4, RMA10, SWAN, Bouss-2D and DREAMS mathematical models
- Competent with environmental modelling software (TECPLOT, SMS, SURFER, GRAPHER, etc...)
- Competent with GIS environment and CAD features (ARCGIS, GEOMEDIA, AUTOCAD, etc...)

OTHER SKILLS

- Very experienced with oral presentations
- Experienced with physical wave propagation models (1D, 2D)
- Experienced with computational models (1D, 2D, and 3D) for waves, hydrodynamics, and sediment transport
- Competent with physical, mathematical modelling, and remote detection concepts
- Experienced with remote detection devices
- Experienced with field work on wave and current measurements in Harbours and Beaches
- Experienced with risk assessment concepts
- Experienced in the development of user interfaces for numerical models

LANGUAGES

MOTHER TONGUE

PORTUGUESE

OTHER LANGUAGES

	Reading	Writing	Verbal
English	Very Good	Very Good	Very Good
French	Good	Good	Good
Spanish	Good	Average	Good

INTERESTS

- Science in general
- Part-time musician
- Sports: Bodyboard, surf, swimming and football
- Cinema, Music, Literature

PUBLICATIONS

[T1] Theses

- [T1] Neves, D.R.C.B. (2007). “*Modelação matemática da hidrodinâmica em zonas costeiras*.” *Mathematical modelling of the hydrodynamics at coastal zones* (In Portuguese). Graduation thesis in Oceanography. Faculty of Sciences of the University of Lisbon, Lisbon, September 2007.
- [T2] Neves, D.R.C.B. (2009). “*Utilização de um sistema de informação geográfica para modelação numérica em zonas portuárias*.” “*Utilization of a geographical information system for the numerical wave modelling in harbour areas* (In Portuguese). Master thesis in Geophysical Sciences/Oceanography. Faculty of Sciences of the University of Lisbon, Lisbon, December 2009.
(http://repositorio.ul.pt/bitstream/10451/3564/1/ulfc055741_%20Diogo_Neves.pdf)

Papers in Magazines and Journals

- [J1] Neves, D.R.C.B.; Pinho, J.L.S.; Vieira, J.M.P. (2008). “*Análise de dados de satélite adequados à caracterização da produção primária na superfície oceânica da Zona Económica Exclusiva Portuguesa*.” *Satellite data analysis for the characterization of the ocean surface primary production on the Portuguese exclusive economical zone* (in Portuguese). *Journal of Civil Engineering* - Department of Civil Engineering of the University of Minho, Vol. 3, December, pp. 125-138. Edition DEC-UM (ISSN 0873-1152)
(<http://www.civil.uminho.pt/revista/n33/Artigo10-Pag125-138.pdf>)
- [J2] Neves, D.R.C.B.; Zózimo, A.C.; Pinheiro, L.V.; Fortes, C.J.E.M. (2009). *GUIOMAR: Geo(graphical) User Interface for cOastal and MARine Modeling. Supported Decision System*. *Journal of Coastal Research*, SI 56 (Proc. 10th International Coastal Symposium), pp.1542-1546, ISSN 0749-0258.
(http://e-geo.fcsh.unl.pt/ICS2009/_docs/ICS2009_Volume_II/1542.1546_D.Neves_ICS2009.pdf). (ISI Paper)
- [J3] Neves, D.R.C.B.; Rodrigues, S.; Reis, M.T.; Fortes, C.J.E.M.; Santos, J.A.; Capitão, J. (2010). *Application to the port of Sines of a new tool for risk assessment in port navigation*. *Journal of Coastal Conservation*, 16:489 – 501.
DOI:10.1007/s11852-012-0190-7
(<http://link.springer.com/article/10.1007/s11852-012-0190-7?null#page-1>). (ISI Paper)
- [J4] Santos, J.A.; Rodrigues S.; Pinheiro, L.V.; Neves, D.R.C.B.; Fortes, C.J.E.M.; Reis, M.T.; Simões, A.; Azevedo E.B. (2010). *Managing wave-induced risks in port operations*. *Journal of Coastal Conservation*, (Proc. International Conference on Coastal Conservation and Management) ISSN: 1400-0350 - in press. (ISI Paper)
- [J5] Neves, D.R.C.B.; Rodrigues, S.; Reis, M.T.; Fortes, C.J.E.M.; Santos, J.A. (2010). “*Aplicação ao porto de Sines de uma nova metodologia de avaliação do risco para a navegação portuária utilizando o sistema de informação geográfica GUIOMAR*.” *Application to the port of Sines of a new tool for risk assessment in port navigation using the GIS GUIOMAR system*. (in Portuguese) *Journal of Integrated Coastal Zone Management* Vol. 10(4), pp. 483-504.
(<http://www.aprh.pt/rgci/rgci232.html>).

- [J6] Neves, D.R.C.B.; Fortes, C.J.E.M.; Santos, J.A.; Reis, M.T.; Rodrigues, S. (2011) “*Avaliação do risco para a navegação utilizando o sistema GUIOMAR. O caso do porto Sines.*”. *Risk assessment in port navigation using the GUIOMAR system. Port of Sines study case.* (in Portuguese). Territorium journal, nº18 (pp. 89-98). Associação Portuguesa de Riscos, Prevenção e Segurança. (http://www.uc.pt/fluc/nicif/riscos/Documentacao/Territorium/T18_artg/Diogo_Ruben_Neves.pdf).
- [J7] Neves D. R.C.B.; Endres L.A.M.; Fortes C.J.E.M.; Okamoto T. (2012) “*Directional Spreading Model in a Wave Channel. Wave Propagation and Wave Breaking.*” *Ocean Engineering Journal*, Elsevier, 55, 148-160. (<http://dx.doi.org/10.1016/j.oceaneng.2012.07.016>). (ISI Paper)
- [J8] Neves, D.R.C.B.; Santos, J.A.; Reis, M.T.; Fortes, C.J.E.M.; Simões A.; Azevedo E.; Rodrigues M.C. (2012). “*Metodologia de avaliação do risco associado ao galgamento de estruturas marítimas. Aplicação ao porto e à baía da Praia da Vitória, Açores, Portugal.*” Risk assessment methodology for the overtopping of maritime structures. application to the port and bay of Praia da Vitória, Azores, Portugal. *Revista Gestão Costeira Integrada* (in Portuguese) *Journal of Integrated Coastal Zone Management*, 12(3):291-312 (2012) ISSN 1646-8872. DOI:10.5894/rgci322 (<http://www.aprh.pt/rgci/rgci322.html>).
- [J9] Rocha, T.; Fortes, C.; Reis, M.T.; Santos, J.A.; Neves, D.R.C.B.; Portela, L.; Pinto, F. (2013). “*Avaliação comparativa do risco de galgamentos na Praia da Vitória, Terceira, Açores.*”. Comparative assessment for the overtopping risk in the port of Praia da Vitória, Terceira, Azores. *Revista VETOR - Revista de Ciências Exatas e Engenharias*, V. 23, n. 1, 104-120. (ISSN: 0102-7352) (<http://www.seer.furg.br/vetor/article/view/3696>)
- [J10] Didier, E., Neves, D.R.C.B., Martins, R., Neves, M.G. (2012). “*Modelling of impermeable breakwater: comparison between physical and SPH numerical modeling.*” *Engenharia Térmica (Thermal Engineering)*, Vol. 11 • No. 1-2 • June and December 2012 • p. 68-76 (http://demec.ufpr.br/reterm/ed_ant/19/artigos/257-2012.pdf)
- [J11] Conde, J.M.P, Reis R., Fortes, C.J.E.M., Neves, D.R.C.B. (2012). “*Wave propagation in a wave channel, physical modelling.*” *Engenharia Térmica (Thermal Engineering)*, Vol. 11 • No. 1-2 • June and December 2012 • p. 22-29 (<http://demec.ufpr.br/reterm/artigos/256-2012.pdf>)
- [J12] Didier E.; Neves D.R.C.B.; Martins R.; Neves, M.G. (2013) “*Wave Interaction with a Vertical Breakwater: SPH Numerical and Experimental Modeling.*” *Ocean Engineering Journal*, Elsevier, 88, p. 330-341. (<http://dx.doi.org/10.1016/j.oceaneng.2014.06.029>). (ISI Paper)
- [J13] Didier E.; Neves D.R.C.B.; Teixeira, P.R.F.; Neves, M.G. (2013) “*Application of a Smoothed Particle Hydrodynamics Numerical Model to a Water Chamber: Resolution Refinement Technique Analysis and Comparison with a RANS Model.*” *International Journal of Offshore and Polar Engineering, IJOPE* (ISSN 1053-5381), International Society of Offshore and Polar Engineers. (Submitted - Waiting response). (ISI Paper)

- [J14] Didier E.; Rodrigues A.; Neves M.G.; Neves D.R.C.B.; Dias J. (2015) “*Força de impacto no quebra-mar vertical: comparação entre um modelo numérico SPH e formulações empíricas.*” *Impact force on a vertical breakwater: Comparison between empirical models and an SPH numerical model* (in Portuguese). Revista IBEROAMERICANA de Ingeniería Mecánica, Vol 19 N°2; p. 3-26, (ISSN 1137-2729). UNED (Universidad Nacional de Educación a Distancia).
- [J15] Santos, F.L.; Reis, M.T.; Fortes, C.J.E.M.; Lotufo, A.D.; Neves, D.R.C.B.; Poseiro, M.; Maciel, G.F. (2016). “*Performance of a Fuzzy Artmap Artificial Neural Network Characterizing Sines Port Wave Regime (Portugal)*”. Accepted, To be published in Journal of Coastal Research.

Papers to Conferences

- [C1] Neves, D.R.C.B.; Pinho, J.L.S; Vieira, J.M.P. (2007). “*Hidrodinâmica da zona oceânica adjacente à Península Ibérica.*” *Hydrodynamics at the Ocean Region of Iberian Peninsula* (in Portuguese). CMNE 2007 - Congress on Numerical Methods in Engineering, Faculty of Engineering of the University of Porto, Porto, June 2007.
- [C2] Neves, D.R.C.B.; Pinho, J.L.S; Vieira, J.M.P. (2008). “*Modelação matemática hidrodinâmica e da intrusão salina no estuário do rio Douro.*” *Mathematical modelling hydrodynamics and salt water intrusion at River Douro Estuary* (in Portuguese). Congresso da água; APRH - Associação Portuguesa de Recursos Hídricos, APRH, Cascais, April 2008.
- [C3] Zózimo, A.C.; Neves, D.R.C.B.; Fortes, C.J. (2008). *Guiomar: Geographical User Interface For Coastal And Marine Modeling, Recent Developments And Assessment Of Potential Geographical Errors*. PIANC Mediterranean Days in Palermo, Italy - 1st Edition, October 7-9.
- [C4] Neves, D.R.C.B., Zózimo, A.C.; Pinheiro, L.V.; Fortes, C.J. (2008). *GUIOMAR: Geo(graphical) User Interface for Coastal and MARine Modeling. Supported Decision System*. International Coastal Symposium, Faculty of Social and Human Sciences of Lisbon, Lisbon, April 2009.
- [C5] Neves, D.R.C.B., Zózimo, A.C.; Pinheiro, L.V.; Fortes, C.J. (2009). “*GUIOMAR: desenvolvimentos recentes e aplicação ao caso de Sines.*” *GUIOMAR: Recent developments and the Sines port study case. (coupling of SWAN and DREAMS wave numerical models in the GUIOMAR system)* (in Portuguese). 6^{as} Jornadas portuguesas de engenharia costeira e portuária (JPECP). Funchal, October 2009.
- [C6] Raposeiro, P.D.; Reis, M.T.; Neves, D.R.C.B.; Ferreira, J.C. (2009). “*Metodologia de cálculo do espraiamento e inundação em zonas costeiras recorrendo ao sistema GUIOMAR aplicação à praia de Vale do Lobo.*” *Methodology for the Run-up and flooding in coastal zones with the GUIOMAR system, Vale do Lobo case study* (in Portuguese). 6^{as} Jornadas portuguesas de engenharia costeira e portuária (JPECP). Funchal, October 2009.
- [C7] Neves, D.R.C.B.; Fortes, C.J.E.M.; Reis, M.T.; Santos, J.A., Rodrigues S., Raposeiro P. (2010). “*Avaliação do risco para a navegação em zonas portuárias utilizando o sistema de informação geográfica GUIOMAR. O caso de Sines.*” *Risk assessment for shipping ports Using the GUIOMAR geographical information system. Sines study case* (in Portuguese). MyESIG2010, Associação portuguesa de utilizadores de sistemas de informação geográfica (USIG). Oeiras, February 2010.

- [C8] Raposeiro P.D.; Fortes, C.J.E.M.; Reis, M.T.; Ferreira J.C.; Neves, D.R.C.B. (2010). “*Avaliação do Risco de Inundação na Praia de Vale do Lobo.*” *Risk assessment for flood events in the Vale do Lobo beach.* (in Portuguese). MyESIG2010, Associação portuguesa utilizadores de sistemas de informação geográfica (USIG). Oeiras, February 2010.
- [C9] Neves, D.R.C.B., Zózimo, A.C., Fortes, C.J.E.M., Pinheiro, L.V., Capitão, R. (2010). “*Desenvolvimentos recentes do sistema GUIOMAR. Aplicação ao Caso de Sines.*” *Recent developments of the GUIOMAR system. Sines harbour study case* (in Portuguese). Congresso da água; APRH - Associação portuguesa de recursos hídricos. Alvor, March 2010.
- [C10] Pinho, J.L.S.; Vieira, J.M.P.; Neves, D.R.C.B. (2010). “*Efeito das obras da embocadura hidrodinâmica, intrusão salina e dinâmica sedimentar do estuário do rio Douro.*” *The impact of the new mouth configuration in the hydrodynamics, saline intrusion and sedimentary dynamics of the estuary of the Douro River.* (in Portuguese). 10º Congresso da água; APRH - Associação portuguesa de recursos hídricos. Alvor, March 2010.
- [C11] Neves, D.R.C.B.; Rodrigues S.; Fortes, C.J.E.M.; Reis, M.T.; Santos, J.A.; Capitão (2010). “*New tools for risk assessment in port navigation: The Port of Sines.*” ICCCM10 International Conference on Coastal Conservation and Management, Cascais, April 2010.
- [C12] Santos, J.A.; Rodrigues S.; Pinheiro, L.V.; Neves, D.R.C.B.; Fortes, C.J.E.M.; Reis, M.T.; Simões, A.; Azevedo E.B. (2010). “*Managing Wave-Induced risks in port operations.*” ICCCM10 - International Conference on Coastal Conservation and Management, Cascais, April 2010.
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