

Artur Palha da Silva Clérigo
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Birth: 10.12.1980, in Lisboa, Portugal

Professional experience

- 2006 - LNEC - National Laboratory of Civil Engineering (Portugal). Research fellow at NPE, the Harbours and Maritime Structures Group. Main work in linear and non-linear wave propagation, focusing on the application of numerical models to test and real cases, development of real-time forecast and warning systems for harbours and landslide wave generation models.
- 2005 - 2006 Netplan - Telecommunications and Energy. Division of Renewable Energies. Design of solar thermal and photovoltaic systems and energy efficiency in buildings.
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Academics

- 2004 Licenciatura in Technological Physical Engineering. 5 years diploma by Superior Technical Institute (IST), Technical University of Lisbon (UTL). Final grade of 17 out of 20. Final year project in National Institute of Engineering, Technology and Innovation (INETI) on a Computational model of a PEM fuel cell, supervisor PhD. Antonio Joyce and co-supervisor PhD. Manuel Collares-Pereira, final grade of 19 out of 20.
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Scholarships

- 2002-2003 NA60 experiment at CERN. Funding through Science and Technology Foundation (FCT): 8 months funding for collaboration

with NA60 experiment in a joint project between the European Organization for Nuclear Research (CERN) and Fundamental Physical Interactions Center (CFIF), under supervision of PhD. Joao Seixas.

Courses

- 2007 Mathematical Methods in Coastal Engineering (Univ. of Plymouth). 15 days course at Univ. of Plymouth.
- 2007 High Performance Computing (PDC - KTH University). 15 days course at the PDC center in KTH university
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Conferences

- 2007 Palha, A.; Fortes, J.; Mase, H.: *Numerical simulation of wave runoff on seawall near shoreline with FUNWAVE model*, ISOPE 2007, Lisboa
- 2007 Pinheiro, L.; Palha, A.; Fortes, J.; Walkley, M.: *Internal wave generation on finite element model BOUSS1D.iw: comparison with experimental data*, ISOPE 2007, Lisboa
- 2007 Palha, A.: *pyMOIA: Real-time forecast of wave state in harbour areas*, 5th Portuguese conference on coastal and harbour engineering
- 2007 Hokamoto, T.; Fortes, J.; Palha, A.: *Analysis of the Fun-wave wave breaking formulation*, 5th Portuguese conference on coastal and harbour engineering

Computer Skills

OsS	Windows 32s and UNIX-like
Programming	C (good), C++ (beginner), Fortran 9X (good), Python (good), Matlab (good), Mathematica (good), Simulink (good), OPENMP (beginner), MPI (beginner)
Software	FEMLAB (beginner), Ecotect (good), Energy+ (good), Radiance (beginner), \LaTeX (good), Microcal Origin (good), Autodesk Autocad (good), Labview (good), Golden Software Surfer (good), Tecplot (good), Paraview (beginner), Mayavi (beginner)
Hardware	Assembly programming (with Microchip PIC microprocessors)

Lisboa, September 28, 2007