

Personal information

Surname(s) / First name(s) **Duarte Pereira, Gonalo Artur**
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Nationality Portuguese
Date of birth 09/10/1986
Gender Male



Education and training

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| Dates | From October 2010 to Present |
| Title of qualification awarded | Sustainable Energy Systems Doctoral Program (Ph.D.) |
| Principal subjects/Occupational skills covered | Energy Systems and Economics Modelling Energy Planning Energy Storage Economics of Natural Resources and Environment Project Evaluation and Externalities |
| Past/Current Projects | Green Island Program (100% Renewable Energy – Energy Planning) EDP-LCA Analysis of the Sabor River Hydro Dam (Large Scale Energy Systems Modelling) Smart GALP (Residential Consumption Analysis – Small Scale Energy Systems) Lagoa das Furnas (Sao Miguel, Azores - Pump Storage Project) MIT-Portugal Energy Club e-Bike (Small Storage Grid Interaction Using Electric Car Infrastructure) |
| Name and type of organisation providing education and training | MIT- Portugal Program, IST-Tagus Park Av. Professor Cavaco Silva, 2744-016 Porto Salvo, Portugal |
| Level in national or international classification | Ph.D. - ISCED 6 |
| Dates | From September 2004 to October 2010 |
| Title of qualification awarded | Integrated Master Degree (MSc) in Mechanical Engineering specialized in Systems and Modelling |
| Principal subjects/Occupational skills covered | Master thesis/research: "Decision Analysis for Sustainable Energy Systems Design: The Sao Miguel – Azores Case Study". Optimization, Decision and Intelligent Systems Energy Management Fluid Mechanics, Thermodynamics and Heat Transfer Control and Automation Project and Production Management Computer Numeric Control and Computer Aided Manufacturing/ Design Programming (Matlab, C++, MySQL, Fortran) Structural and Solid Mechanics (ANSYS, Solidworks) |
| Name and type of organisation providing education and training | Instituto Superior Tecnico, Av. Rovisco Pais, 1, 1049-001 Lisbon, Portugal |
| Level in national or international classification | Bologna's Master Degree: 16 (in a scale from 0 to 20): ISCED 5 Master thesis: 19 (in a scale from 0 to 20) |
| Computer skills and competences | Advanced knowledge of Office™ (Word™, Excel™, Power Point™, Project™ and Visio™) |

Advanced knowledge of Matlab™ programming and Simulink™
Advanced knowledge of EnergyPLAN™
Basic knowledge of OSeMOSYS™
Basic knowledge of C++, Fortran and mySQL™ programming
Basic knowledge of Arena Simulation Software (Rockwell)™
Basic knowledge of Solidworks™
Basic knowledge of ANSYS™
Basic knowledge of Saia PG5™
Basic knowledge of LateX

Annexes Publications

Conference papers

-Silva, Carlos; Pina, André; Pereira, Gonçalo; Moutinho, Alexandra. **Integrated Modeling Framework for Energy Systems Modeling**. 23rd International Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems (ECOS 2010), 14th to 17th June 2010, Lausanne Switzerland.

-Pereira, Gonçalo; Moutinho, Alexandra; Silva, Carlos. **Flexible Design of Sustainable Energy Systems under Uncertainty**. 24th European Conference on Operations Research (EUROXXIV), 11th to 14th of July 2010, Lisbon, Portugal.