



Curriculum Vitae

Personal information

First name(s) / Surname(s) **Mário Helder / Rodrigues Gomes**
Address(es) Lote 4, Encosta Água das Maias, 2300-545, Tomar, Portugal
Mobile: 351965630517
E-mail mgomes@ipt.pt
Nationality Portuguese
Date of birth 9-4-1972
Gender Male
Civil state Married (with 2 children)

Work experience

Dates Since October 1997
Occupation or position held University Professor
Main activities and responsibilities Investigation and Teaching disciplines of Electrical Engineering, mainly about Power Systems and renewables sources
Name and address of employer Instituto Politécnico de Tomar, Estrada da Serra, Quinta do Contador, 2300-313 Tomar
Type of business or sector Education

Education and training

Dates 2004-2007
Title of qualification awarded PhD in Electrical and Computer Engineering
Principal subjects/occupational skills covered Thesis Title: Novos Mecanismos de Mercado de Energia Eléctrica e de Serviços Auxiliares em Sistemas Eléctricos”, Scientific research focusing several aspects related with technical and economical electricity markets, aiming to improve both power systems operation and market competition, as well his transparency.
Name and type of organisation providing education and training Faculdade de Engenharia da Universidade do Porto
Public University
Dates 1997-2000
Title of qualification awarded MSc in Electrical and Computer Engineering
Principal subjects/occupational skills covered Electrical Power Systems: Generation, Transmission and distribution
Renewables; Electricity Markets
Name and type of organisation providing education and training Faculdade de Engenharia da Universidade do Porto
Public University
Dates 1992-1997
Title of qualification awarded Licentiate in Electrical and Computer Engineering
Principal subjects/occupational skills covered Power systems, High/Medium/Low Voltage Electrical Installations.
Name and type of organisation providing education and training Faculdade de Engenharia da Universidade do Porto
Public University

Personal skills and competences

Mother tongue(s)

Portuguese

Other language(s)

Self-assessment

European level (*)

English

French

Spanish

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user
C1	Proficient user	C1	Proficient user	B1	Independent user	B1	Independent user	B1	Independent user
C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user

(*) Common European Framework of Reference for Languages

Technical skills and competences

Power systems and electrical installations conception/analysis, Electrical machines operation, control/command and protection electrical devices, Renewable Energy, MicroGeneration solutions, MicroGrids conception, energy storage systems, etc.

Scientific publications

Author of several publications on international conferences and journals. Some of theirs are:

- [1] Mário Helder Gomes, J. Tomé Saraiva, Active/reactive bid based dispatch models to be used in electricity markets, ELSEVIER, Electric Power Systems Research (EPSR), vol.78, N.º 1, pp.106-121, January 2008.
- [2] M. H. Gomes, J. T. Saraiva, An Active Reactive Bid-Based Market Model Using Fuzzy Sets, IJEIS – International Journal on Engineering Intelligent Systems, Vol.15, N.º 1, pp.3-13, 2008.
- [3] Mário Helder Gomes, João Tomé Saraiva, “A market based active/reactive dispatch including transformer taps and reactor and capacitor banks using Simulated Annealing”, ELSEVIER, Electric Power Systems Research (EPSR), Vol.79, N.º 6, pp.106-121, Junho, 2009.
- [4] Tomé Saraiva, Mário Helder Gomes, Provision of Some Ancillary Services by MicroGrid Agents, 7th ICEEM - 7th International Conference on the European Energy Market, Madrid, Spain, July 2010.
- [5] Mário Helder Gomes, João Tomé Saraiva, Allocation of reactive power support, active loss balancing and demand interruption ancillary services in MicroGrids, ELSEVIER, Electric Power Systems Research (EPSR), Volume 80, Issue 10, Pages 1267-1276, October 2010.
- [6] Miguel Castilla, Mário Gomes, Pedro E. Mercado, Carlos Moreira, Juan Negroni, Jorge Sosa, Antonio Zambroni, The Growing State of Distributed Generation and Microgrids in the Ibero-American Region: A View from the RIGMEI Network, 2014 IEEE PES Transmission & Distribution Conference and Exposition (T&D-LA 2014), Medellin, Colombia, September 2014 .

Computer skills and competences

Programming Languages: Assembler; Borland C/C++; MatLab ...
Applications and O.S.: MS-DOS and Windows; Microsoft Office; AutoCAD, MatLab ...

National awards

Winner of *Prémio REN 2001* with the work/thesis developed on the scope of MSc.

Driving licence

Category B, number P-778576_1

Additional information

I like football, basketball, rugby, automotive sports ...
I like travelling, cinema, ...
I am very sociable and workable