

Curriculum Vitae

Hugo Gabriel Valente Morais

Talents and Skills

- Wide vision of Power Systems challenges and future perspectives;
- Leadership of technical execution of several industrial and research projects;
- Coordination of activities of research and development focused on industrial needs;
- Effective at inspiring, leading and managing teams in ambitious projects;
- Effective Communicator;
- International networking in Science and Industry (emphasis on Power Systems).

Language Skills

	Native
	C1
	C1
	A1

Certification & Membership

	Pedagogic skills certificate
	EDP Trainer
	ANACOM Trainer
	KNX Partner
	IEEE Senior Member
	CIGRE Member
	DGEG Member
	IEC Member

Academic Record:

2012	Ph.D. in Electrical Engineering, Trás-os-Montes e Alto Douro, Portugal, focusing on the operation management strategies of a virtual power player, with the thesis “Virtual Power Players Modeling in Electricity Markets”. Work carried out under the supervision of Prof. Zita Vale;
2010	M.Sc. in Electrical Engineering - Power Systems, Polytechnic Institute of Porto, Portugal (December 2010). Work carried out under the supervision of Prof. Zita Vale;
2005	5 Years, graduated in Electrical Engineering - Power Systems, Polytechnic Institute of Porto, Portugal;
2002	3 Years, graduated in Electrical Engineering - Power Systems, Polytechnic Institute of Porto, Portugal.

Research Record:

2022-2005	Author or co-author of more than 220 publications and communications in subjects related to power systems management and electricity markets. Around 50 papers were published in international peer review journals (SCI indexed) with more than 6400 citations, according to Google scholar citations (h-index - 44 and h10-index - 106)
2022-2016	Guest editor of special issue “Theory and Application of Computational Intelligence in Electric Vehicles and their Integration within Smart Energy Networks” in Energies Journal (IF 2.676) and of special issue “Complex Optimization and Simulation in Power Systems” in Complexity (IF 1.829);
2022-2007	Supervision of 5 Ph.D. students (3 in development), 24 M.Sc. students (one of them was honorable mention in REN award 2012 and other one won the same competition in 2014), 18 bachelor’s students and one “Propicie” (Federal Institute of Santa Catarina International Cooperation Program) student;
2022-2005	Participated in over 25 international R&D projects, 6 of which European and International.
2014	Postdoctoral Fellow at Technical University of Denmark (DTU) in Automation and Control group. In DTU, I participate in SOSPO-SP project which includes new assessment algorithms providing useful information to the power system operators in real-time. The use of Phasor Measurement Units (PMUs) provides accurate and synchronized information every 20ms (in 50Hz systems). SOSPO-SP uses new assessment methods in order to transform the data provided by the PMUs in useful information to the operators;
2014-2005	Ph.D. Fellow at Polytechnic Institute of Porto – School of Engineering (ISEP) in Research Group on Intelligent Engineering and Computing for Advanced Innovation and Development (GECAD). In GECAD I participated in several activities and projects related with smart grids, electricity markets and home intelligent development.