Currículum Vítae

CONTACT INFORMATION



RESEARCH INTERESTS

Gómez de la Varga, José Martín

• OASYS Research Group Edificio de Investigación Ada Byron A.2.7 C/ Arquitecto Francisco Peñalosa, 18, 29010, Malaga, Spain +34 951 952 925 🖨 +34 660 116 299 L [™] jmgomezdelavarga@gmail.com

Sex Male | Date of birth 18/05/1993 | Nationality Spanish LinkedIn: https://www.linkedin.com/in/jose-gomez-de-la-varga/

Power system operations and economics, renewable integration, statistical data/time series analysis, machine learning, distribution system state estimation, distributed energy management systems, cyber-security.

WORK EXPERIENCE	
Since Sept 2020	Research assistant
	 R&D&I support contract, within the framework of the National Youth Guarantee system. University of Malaga, (Spain). Applied Mathematics department. OASYS research group. Algorithm developer for optimization of sustainable energy systems in big data environments. Focus on pseudo-measurement generation in distribution system
A	state estimation.
Apr 2019 - Apr 2020	Batterry SL (https://www.batterry.os/)
	 Consulting: energy audits for industrial clients, energy and technological advice on the electricity market, purchase of energy and energy efficiency measures in facilities. Customer energy management and analysis of personalized improvement proposals.
	• Business development: Reception of commercial opportunities in electric vehicle installations and customer management in the business process. Technical and commercial offer preparation for public and private photovoltaic projects. In charge of the adaptation, evaluation and monitoring of the projects eligible for a subsidy through the lines of Sustainable Energy Development and the Moves Plan, for photovoltaic installations and electric vehicle infrastructures.
	• Projects: Elaboration of photovoltaic systems projects, participation in the commissioning and legalization of the installations.
Nov 2017 - Feb 2018	R&D Engineer in EnerOcean S.L.
	Through <i>Ícaro</i> , the student's internship program of the University of Malaga.
	• Designing and modelling of several wind turbine models of the company through the FAST program of the NREL, with the aim of obtaining the efforts on the base of the platform in different wind conditions and wind turbine positions.
Oct 2016 - Jun 2017	Research Grant in the Department of Applied Physics
	Awarded by the Spanish Ministry of Education and Science. Industrial Engineering School of the University of Malaga.
	• Integration of two renewable energy systems that worked separately using an industrial PLC. Tests and analysis of the impact of renewable groups on the consumption of different residences, hotels and buildings.
CONFERENCE ARTICLES	
Apr 2018	Department of Mechanical, thermal and Fluids Engineering. E.T.S.I.I. Universidad de Málaga. Spain, J. A. Aunón, M. Sidrach-de-Cardona, A. Marfil, and J. Gómez de la Varga, "New microcogeneration with solar energy: Stirling, thermal and photovoltaic systems," REPQJ, vol. 1, p 281–285, Apr. 2018, DOI: 10.24084/repqj16.285.

EDUCATION	
2016 - 2018	Master's Degree in Industrial Engineering (8.27/10)
	Industrial Engineering School of the University of Malaga. (<u>https://www.uma.es/escuela-de-ingenierias-industriales/</u>).
	Research Thesis (9.3/10): Analysis and Optimization of the Laboratory of Cogeneration of the University of Málaga (equipped with a Stirling engine, a photovoltaic system and a group of thermal collectors).
2015 - 2016	Universitatea din Petroșani (Romania)
	Half year stay through the Erasmus+ program.
2011 - 2016	Degree in Industrial Technology Engineering (7.41/10)
	Industrial Engineering School of the University of Malaga.
	Research Thesis (9.2/10): Biomechanical characterization of knee tendons by tensile testing and 2D-3D visualization techniques.
2009 - 2011	Technological Bachillerato
	Asunción School from Málaga.
Additional Education	University Extension Course: Introduction to ANSYS-FLUENT on Thermofluidic mechanical Simulations
	Industrial Engineering School of the University of Malaga (3 ECTS credits, 75h). Multiphysics Computational Simulation Course with Ansys Discovery
	ESSS Virtual Institute (18h) Statistics with R from Bogdan Anastasiei
	Online course from Udemy.com
AL COMDETENCES	

PERSONAL COMPETENCES

First language Other	Spanish.
English (Advanced)	C1 level. Certificated by Cambridge and the Official School of Languages of Málaga.
German (Intermediate)	3 rd year (B1 level) of the Official School of Languages of Málaga.
Computer skills	 Expert in engineering software (Python, Matlab, AutoCad and ANSYS-FLUENT) and Microsoft Office ™ (Word, Excel and Access).
	 Intermediate in mathematical and other programming languages (Wolfram Mathemathica, R, C/C++ and industrial PLC) and other engineering software (FAST, SolidWorks, Autodesk Revit/Robot).
Extracurricular	• Superior communication skills in English acquired during my exchanges with the organization Lions Club in different European countries (Cyprus, Austria, Poland and Slovakia), with a total duration of one year and through the Erasmus program in Romania.
	• Experience in tutoring (for 10 years and more than 15 students) in technical subjects of the technological branch (technical drawing, mathematics, physics, chemistry).
	• Volunteering:
	 Climate Reality Leader, by Al Gore's Climate Reality Project. Raising awareness in the field of climate change through different types of leadership events
	 Secretary of the Shokema Sports Club (Shorinji Kempo Malaga), martial arts club with social commitment. Functions: Memberships managements and events coordination.