

PERSONAL INFORMATION



Marta Haro Larrode

Technical translator and industrial engineer

- Bilbao (Spain)
- Nationality: Spanish
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WORK EXPERIENCE

11.2017-Present

Freelance technical translator

- Languages: English → Spanish
German → Spanish
Spanish → English
- Specialisation: Mechanical, Electrical and Electronic engineering. Renewable Energy and European Energy Policy. Electrical Networks and Substations. European Grid Codes. Industrial, Academic and R&D Environments

03.2016-Present

Research Engineer

Department of Intelligent Networks and Energy Storage.

Tecnalia Research and Innovation (national reference in Spain and The Basque Country), *Bilbao, Spain*

- Analysis of interaction stability between HVDC grids and onshore AC grids. Validation of simulation models by using DlgSILENT Power Factory software
- Analysis of European Grid Codes and verification of compliance of renewable energy installations when connecting to the electrical grid
- Drafting of R&D project reports in English. Publication of Papers in Scientific Journals

08.2015-02.2016

Teacher in engineering courses

Academia Técnica Universitaria I+A Zaragoza, *Spain*

- Teaching of intensive courses in Mechanics of rigid solids, Mechanics of deformable solids and Materials Resistance to groups of university undergraduate students

10.2014-07.2015

Junior Engineer for data analysis

Technical University of Denmark (DTU), *Copenhagen, Denmark*

- State of the art of optimization algorithms of Electrical Grids at the European level

Institute for Energy and Transport (JRC-IET), Petten, The Netherlands

Energy Systems Evaluation Unit, Joint Research Centre of The European Commission.

- Technical and economic analysis and definition of composite indicators of renewable energy technologies in the electrical, industrial and residential generation sector in compliance with the corporative model of the European Commission, JRC-EU-TIMES, by using GAMS and R software. Energy Advisor for European policy
- Drafting of R&D Project Reports in English and weekly presentation of results in English

06.2013-12.2013

Junior Electromechanical Engineer

Institute for Solar Energy Research GmbH (ISFH), Germany

Department of Manufacturing and Junction techniques of Photovoltaic Modules

- Development of mechanical bending tests applied to photovoltaic modules according to technical specifications. Drafting of test protocol in English and German
- Weekly presentation of results in German

06.2012-05.2013

Junior Remote Control Engineer

Control Centre of Endesa Electrical Distribution and CIRCE Research Institute, Zaragoza, Spain

- Analysis of incidents in Substations through remote access devices and field visits
- Macro programming in MS Office Excel to optimize the management of incidents

06.2011-10.2011

Junior Engineer

CIRCE Research Institute, Zaragoza, Spain

- Translation of reports, R&D Laboratory handbooks and projects from Spanish to English
- Contact with international suppliers of components in English and Spanish
- Revision of technical specifications of electrical and mechanical components used in several research projects

EDUCATION

03.2016-03.2020(expected)

PhD in Electrical Engineering

University of The Basque Country, Spain

- Research stay programmed for 3 months in SINTEF, Norwegian University of Science and Technology, Norway

09.2011-12.2013

Master in Renewable Energy

CIRCE Research Institute, University of Zaragoza, Spain

- Internship in Institute for Solar Energy Research Hamelin (ISFH) GmbH

09.2006-09.2012

Industrial Engineer

University of Zaragoza, Spain

- Specialisation in Electrical Systems

10.2010-03.2011

Erasmus Programme of the European Union

Aalborg University, Aalborg, Denmark

PERSONAL SKILLS

Skills IT

- Punctuality, seriousness, commitment, teamwork skills
- Trados Studio, Microsoft Office Suite (Word, Excel, Access, Power-point), AutoCAD, Visual Basic, Matlab-Simulink v2015 GAMS, R, DigSILENT PF, Zotero

International Stays

- One year in Denmark (from 08.2010 to 03.2011 in Aalborg and from 04.2015 to 07.2015 in Copenhagen)
- One year in Germany (from.2012 to 06.2013 in Hamelin, Lower Saxony)
- Half a year in The Netherlands (from 10.2014 to 03.2015 in Alkmaar)
- One month in Ireland (from 07.2003 to 08.2003 in Ballina, Co. Mayo)
- One month in United Kingdom (from 07.2005 to 08.2005 in Eastbourne)

Publications and participation in International Conferences

- Bayod-Rújula A.A, Haro M.E., Martínez-Gracia A., «Sizing criteria of hybrid photovoltaic-wind systems with battery storage and self-consumption considering interaction with the grid»- pp 582-591 Elsevier Solar Energy, December 2013
- Käsewieter J., Haase F., Haro M., Köntges M., «Cracks in solar cell metallization leading to power loss under mechanical loads», Elsevier Energy Procedia, Volume 55 (2014), pp 469-477, 4th International Conference on Silicon Photovoltaics
- M. Haro, Í.V.Temez, S. C. Recio, M. S. Mugica, P. E. Lopez, «Integral control of a Multi-Terminal HVDC-VSC transmission system», 2017 Twelfth International Conference on Ecological Vehicles and Renewable Energies, 2017, pp. 1-15
- 3-12-2010 Participation in international conference of students in electrical, mechanical and electronic engineering: «The Spot 2010», in Aalborg University, Denmark
- 17-11-2016 Participation in the 3rd Event of Euskampus Fundazioa on collaborative activity in the field of renewable energy in marine environment by presenting a Poster: «Grid Integration of Marine Energy by means of HVDC Technology»
- 10-04-2017 to 13-04.2017 Participation in the Twelfth International Conference on Ecological Vehicles and Renewable Energies, with the oral presentation: «Integral Control of a Multi-Terminal HVDC-VSC Transmission System», Monte Carlo, Monaco
- 20-11-2017 Participation in the 4th Event of Euskampus Fundazioa on the collaborative activity in the field of renewable energies in marine environment with the Poster: «Validation of the Control Structure of a Multi-Terminal HVDC (MTDC) grid for marine energy integration under adverse onshore AC fault phenomena»

References

- Emilio Larrode (elarrode@unizar.es, +34 976 762 319)
- Helma Ilse Ilg (Ilg-Mehesz@t-online.de, +49 171 9 680 072)