

Dr. Enrique García - Quismondo

Enrique García-Quismondo is a Senior Assistant Researcher at IMDEA Energy, with extensive experience in both industrial and research sectors. He previously worked at the Development Center of Exide Technologies - Tudor, a battery company, and at the Research Center of the engineering firm Técnicas Reunidas, developing projects in electrochemical engineering and energy storage systems.

Since 2012, he has been part of the Electrochemical Processes Unit at IMDEA Energy, where he specializes in the development of advanced technologies and their transfer to the industry. His work focuses on electrochemical energy storage systems for renewable energy and sustainable mobility, as well as on energy-efficient water treatment processes and battery testing for predictive diagnostics.

His expertise in electrochemical devices covers the design and assembly of cells, stacks, and systems, as well as their scaling and evaluation. He has worked on energy storage technologies such as lithium-ion and sodium-ion batteries, redox flow batteries (both aqueous and organic), metal-air batteries (zinc and aluminum), on energy conversion technologies such as high temperature electrolysis and on water desalination systems like capacitive deionization. Over the past decade, he has participated in more than 20 research projects, working across Europe, the United States, and Australia. Additionally, he provides scientific advisory services on batteries and electrochemical reactors to various technology-based companies.

In academia, he has co-authored several scientific publications, presented numerous papers at international conferences, and is co-inventor of two patents related to electrodes for water treatment and batteries. He also collaborates in the Master's in Industrial Engineering program at the Rey Juan Carlos University (URJC), participates in energy storage courses organized by the CIEMAT (The Centre for Energy, Environmental and Technological Research), and in executive programs at the School of Industrial Organization (EOI).