POSTDOC RESEARCHER FOR WATER ELECTROLYZERS

Company Description

DESCRIPTION OF THE INSTITUTION: CIC energiGUNE is a research center specialized in energy, electrochemical storage (batteries and supercapacitors), thermal energy solutions and hydrogen, a member of the Basque Research and Technology Alliance - BRTA, and, a strategic initiative of the Basque Government. CIC energiGUNE was created in 2011 to generate excellent knowledge and at the same time useful for the Basque business network, being a reference in knowledge transfer. CIC energiGUNE has a dynamic research team of more than 100 researchers and is extremely well equipped with a wide range of up-to-date facilities that are fully available for all its researchers. Also, the European Commission has recently (2019) awarded CIC energiGUNE with the ´HR Excellence in Research´ which reflects its commitment to achieving fair and transparent recruitment and appraisal procedures and certifies the existence of a stimulating and favorable work environment for researchers in the institution. For more details on CIC energiGUNE's research activities please visit our website at http://www.cicenergigune.com HOW TO APPLY: All applicants are invited to submit their applications including a cover letter, a detailed curriculum vitae and a recommendation letter at this website: https://cicenergigune.com/en/em opportunities/87155292 The selection process ends once the

Information

Deadline: 2022-07-31
Category: Academia
Province: Araba / Álava
Country: Basque Country
City: Vitoria-Gasteiz

Company

CIC energiGUNE

Main functions, requisites & benefits

Main functions

The Hydrogen electrocatalysis group at CIC energiGUNE is recruiting a researcher with expertise on water electrolyzers. The postdoctoral position is offered in the framework of the creation of the new hydrogen group. The candidate will be part of a multidisciplinary environment at CIC energiGUNE and will work in close collaboration with postdocs and PhD students in the research centre. The general aims of the project are: Synthesis and physico-chemical characterization of nanocatalyst. Preparation and characterization of inks and MEA. Electrochemical characterization of solid electrolyte-electrode interfaces Dissemination of the results in project meetings, publications, participating in conferences, etc

Requisites

PhD in Materials Science, Chemistry, Phsyics or related field Applications with Doctor of Engineering with specialization in electrochemistry are also welcome Knowledge in electrocatalysis and/or water electrolyzers is highly recommended Good verbal and written communication skills in English are essential The following additional experience and skills will be highly valued: Expertise on the synthesis and processing of nanocatalyst and inks Characterization techniques such as XRD, Gas cromatography, spectroscopy (XAS, Raman, XPS) and microscopy (TEM/SEM) Expertise in MEA preparations and single cell assembly Expertise in redox-flow and/or decouple electrolyzers A team player who can collaborate with other groups, technical centers, and industries

Benefits

We are offering a 36-month contract in the field of hydrogen electrolyzers. Access to a complete set of existing laboratory infrastructure and equipment to ensure a fruitful stay and the fullfilment of the objectives in due time. Candidates will join an integrated, enthusiastic, and multidisciplinary institute making high quality research and impactful contributions to the energy and sustainability fields. CIC energiGUNE will also help smooth the transition for you and your family, providing a welcome program that offers help with accommodation and addresses other aspects to help you integrate into the local environment (such as free language courses, help with schools for children...). CIC energiGUNE is located close to the city of Vitoria-Gasteiz (Spain), in the heart of the Basque Country. The Basque Country is the region with the highest R&D investment in Spain, with more than 20.000 researchers. The basque research ecosystem comprises a solid and collaborating community composed of universities, technology and cooperative research centers. For more information: https://cicenergigune.com/en/work-with-us