POSTDOC RESEARCHER FOR INORGANIC SOLID STATE BATTERIES

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 165 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

Information

Deadline: 2023-06-30
Category: Business
Province: Araba / Álava
Country: Spain
City: Vitoria-Gasteiz

Company

CIC energiGUNE

Main functions, requisites & benefits

Main functions

JOB DESCRIPTION: The Ceramic Electrolytes research line at CIC energiGUNE is recruiting a researcher with expertise on inorganic solid-state batteries. The postdoctoral position is offered in the framework of an European collaborative project gathering other research center institutions. 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 group. The general aims of the project are: Structural, physico-chemical and electrochemical characterization of inorganic solid electrolytes. Cell integration into lab-cell proof of concept. Electrochemical and chemical 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. Knowledge in ceramic materials or inorganic eletrolytes is highly recommended. The following additional experience and skills will be highly valued: Expertise on the synthesis and processing of solid-state inorganic electrolytes. Characterization techniques such as XRD, thermal (DSC, TGA), spectroscopy (FTIR, Raman, XPS), microscopy (SEM). A team player who can collaborate with other groups, technical centers, and industries. Good verbal and written communication skills in English.

Benefits

We are offering a 36-month contract within a European collaborative project in the field of inorganic solid-state batteries. 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…). We allow schedule flexibility and we operate under a hybrid remote/in-person work model. 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