

Company Description

CIC energiGUNE is a well-known energy research center based in the Basque Country of Spain. Its mission is to play a leading role on the international stage in the field of energy storage technologies and contribute to the industrial competitiveness of Basque Country. CIC has a world-class research facility, cutting-edge equipments, an experienced management team, and a scientific committee composed of prominent scientists, entrepreneurs, and industrial experts
www.cicenergigune.com

Information

 Deadline: 2020-06-18
 Category: Business
 Province: Araba / Álava

 Country: Basque Country
 City: Vitoria-Gasteiz

Company

CIC energiGUNE

**CIC
 energi
 GUNE**
 MEMBER OF
 BASQUE RESEARCH
 & TECHNOLOGY ALLIANCE

Main functions, requisites & benefits

Main functions

CIC energiGUNE is looking for a Postdoc or Project Engineer to work on Energy Electrochemical Storage devices within the framework of applied fundamental research activities and industrial projects on metal-air batteries. Job Function: Design and electrochemical testing of a metal-air prototype. Selection of electrode materials and integration into electrochemical cells. Optimization of the processing route. Evaluation and definition of the scale up process of the battery materials. Development of a metal-air battery according to market requirements or technical specifications and considering economic technical feasibility. SoA analysis and economic technical reports generation. Develop understanding and insight in electrochemical analyses and relation with material properties; identification and generation of new ideas for IP generation. Knowledge on catalysis (e.g. fuel cells, bifunctional cathode development, oxygen reduction and evolution reactions) will be valuable. Characterization of materials, cell components and their interfaces using various analytical techniques (physicochemical, structural and electrochemical techniques) will be valuable. What We Offer: We are offering a 36-month contract and a collaborative environment in which we can all succeed; and a culture through which we can all share ideas, develop our expertise and advance our careers.

Requisites

Degree or PhD in Chemical or Materials engineering, Chemistry, Materials Science or Engineering related field with experience in: Knowledge on the preparation and/or processing air electrodes and their integration into a full system. Electrochemical characterization (e.g. batteries) by cyclic voltammetry, galvanostatic charge-discharge tests and electrochemical impedance spectroscopy measurements. Characterization of materials and interfaces using structural and physicochemical analysis techniques such as X-ray diffraction (XRD), electron microscopy (SEM), FTIR and Raman spectroscopy will be valuable. A team player who can collaborate with other groups, technical centres, and industries. Good verbal and written communication skills in English.