

Company Description

POSITION DESCRIPTION: CIC energiGUNE is looking for a postdoctoral researcher to work on the development of polymer-based electrolyte for metal-air batteries. Area: Electrochemical energy storage (EES) Research line: Metal-air batteries

Information

 Deadline: 2023-12-01
  Country: Basque Country
 Category: Business
  City: Vitoria-Gasteiz
 Province: Araba / Álava

Company

CIC energiGUNE



Main functions, requisites & benefits

Main functions

Synthesis and characterization of polymer electrolytes for metal-air batteries. Polymer electrolyte formulation, processing at lab-scale, and characterization. Characterization of solid electrolyte-electrode interface (electrochemically and chemically) and proof of concept study of polymer-based metal-air solid batteries at the lab level. Design and electrochemical testing of metal-air batteries. Selection of electrode materials and integration into electrochemical cells with the polymer electrolytes.

Requisites

PhD in Chemistry / Polymer Chemistry / Organic Chemistry / Materials Science / Electrochemistry or a related field is required. Wide experience in synthesis of organic materials and more particularly of polymer synthesis (i.e. polymer electrolytes). Expertise in metal-air batteries would be considered positively. Experience in analytical analysis techniques such as NMR, DSC, TGA, and electrochemical workstation. Knowledge on energy storage technologies would be considered positively. A team player who can collaborate with colleagues in other groups, technical centers, and industries. Good verbal and written communication skills in English.

Benefits

We are offering a 3-year contract and advantageous professional development opportunities with the possibility of renewal based upon satisfactory job performance, continuing availability of funds, and ongoing operational needs. Flexible working hours and with on-site work model with the option to eventually telework. Full access to cutting-edge laboratory facilities and characterization platforms. The incorporation to a top research center in Europe that makes high quality research and impactful contributions to the energy and sustainability fields. Professional and personal development: opportunity to attend seminars, international conferences, trainings, etc. Integrated, enthusiastic, international and multidisciplinary environment. A welcome program that offers help with finding accommodation and addresses other aspects to help you integrate into the local environment (such as free language courses, assistance with the administrative procedures, help with schools for children...). For more information: <https://cicenergigune.com/en/work-with-us>