

Company Description

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<https://cicenergigune.com/en/where-are-we> OUR FACILITIES:
<https://cicenergigune.com/en/our-facilities> EES RESEARCH GROUPS:
<https://cicenergigune.com/en/ees-research-groups> EES RESEARCH LINES:
<https://cicenergigune.com/en/ees-research-lines> electrochemical-storage For more details on CIC energiGUNE's Research activities please visit our website at <http://www.cicenergigune.com>

Information

 Deadline: 2023-11-30
  Country: Basque Country
 Category: Business
  City: Vitoria-Gasteiz
 Province: Araba / Álava

Company

CIC energiGUNE



Main functions, requisites & benefits

Main functions

To design and synthesize monomer and polymer materials with ad-hoc properties. Structural and physicochemical characterization: nuclear magnetic resonance spectroscopy (NMR), Fourier transform infrared spectroscopy (FTIR), Raman, gel permeation chromatography (GPC), differential scanning calorimetry (DSC), thermogravimetric analysis (TGA). Polymer electrolytes formulation, cell integration, and characterization. To process and analyze the results obtained from the characterization tests, providing conclusions and ideas to improve the synthesis procedure and electrolyte performance. To participate in communication with companies and proposals preparation when required. Area: Electrochemical Energy Storage (EES) Research Line: Polymer-rich electrolyte batteries

Requisites

PhD in Chemistry / Polymer Chemistry / Organic Chemistry / Materials Science / or a related field is required. Strong background in polymer design and synthesis. Hands-on experience of standard operating procedures for polymer synthesis and characterization. Knowledge on polymer electrolytes and solid-state batteries would be considered positively. Knowledge on electrochemical testing methods would be considered positively. Systemic problem-solving skills. A good team player who can collaborate with other groups, academic and industrial partners. 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 an on-site work model with the possibility to 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, please visit <https://cicenergigune.com/en/work-with-us>