

Company Description

CIC Energigune is a Cooperative Research Centre founded in 2007 with its headquarters in the Basque Country. Created thanks to the investments of the Basque Government and several leading companies in the energy sector, it aspires to become a true international leader in the field of energy and contribute to the industrial competitiveness of Basque companies.

Information

 Deadline: 2019-06-14
 Category: Business
 Province: Araba / Alava

 Country: Basque Country
 City: Vitoria

Company

CIC Energigune



Main functions, requisites & benefits

Main functions

Description of the project:

The proposed project aims at exploring a new idea with high theoretical potential for leading to a drastic change in the field of thermal energy storage (TES), providing an affordable-cost solution for ultracompact storage achievement in a large spectrum of challenging applications. The objective is to investigate the possibility of exploiting peculiar properties of fluids in the vicinity of their critical point (near-critical fluids) for TES, more particularly its divergent heat capacity. This property suggests that the energy storage capacity of the fluid becomes extremely large and increases while approaching the critical point, especially when isobaric transformations are used.

Requisites

Qualification requirements PhD in Physics or related fields Experience is sought in supercritical fluids, whether on theoretical, numerical or experimental aspects. Candidate mandatory requirements to apply to MSCA-IF:

The deadline to apply to the MSCA IF 2019 call is 11th September 2019. At that date, the applicant should fulfill the following requirements: Shall be in possession of a doctoral degree or have at least four years of full-time equivalent research experience. Must not have resided or carried out their main activities in the country of Spain for more than 12 months in the 3 years immediately prior to the abovementioned deadline. Information on how to apply for application to Marie Curie Individual Fellowship can be found at European Commission Participant Portal.

Benefits

The “Thermal Energy Storage” area, at CIC energigUNE, is seeking for a Postdoctoral researcher to apply for an Individual Fellowship (IF) within Marie Skłodowska-Curie actions (MSCA) of the European Union in near-critical fluids for thermal energy storage. The candidate will join a multidisciplinary and collaborative team of young researchers. The position is expected to start during the first half of 2020 and will have a duration of 2 years. The candidate will be hired only if the MSCA Individual Fellowship is granted. Successful candidates will be hosted at CIC energigUNE during the fellowship.

For more details on CIC energigUNE’s research activities please visit our webpage: <http://www.cicenergigune.com>