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Project: Trenure-CleanHyPro

Area leader: Prof. Joan Ramon Morante

Group: Nanoionics and Fuel Cells

Group leader: Prof. Albert Tarancón Rubio

Dead Line: 1st March 2023

Starting date: April 2023

Tenure track position in high temperature solid oxide cells development for an open innovation test bed project.

The Nanoionics and Fuel Cells group is seeking a postdoctoral-level researcher to work in research project. The CleanHyPro project is devoted to the development of Solid Oxide Electrolysis Cells for a open innovation test bed at European level.

Description: We are interested in a PhD with experience in materials science, especially ceramics for Solid Oxide Cells. The role of the postdoc in the project will consist on the internal coordination of the CleanHyPro project where IREC is the coordination of the WorkPackage devoted to the high temperature technologies. In this WP there is participation of research institutes and companies involved on standard and innovative fabrication process for SOEC technologies and new materials and methods development. Deep knowledge in materials science for energy applications is required.

Requirements

We are looking for a methodical, excellent team-player and results-oriented candidate with high communication skills.

Essential:

- The candidate has to fulfill all the requirements of R2 researchers level of the internal IREC evaluation:
 - Title of Doctor
 - Have a number of publications in indexed scientific journals and/or books indexed with ISBN, related to the work of the thesis.
- Master in Energy storage, energy technologies, material sscience.
- PhD degree in Chemistry/ Physics or Chemical Engineering with special focus on energy storage technologies.
- More than 3 years of experience Solid Oxide Electrolysis Cells technology
- Participation on international conference on the field.
- Fluent English is essential

Applicants must submit the following documents by email to irecjobs@irec.cat; atarancon@irec.cat and mtorrell@irec.cat.

Reference:

- Curriculum Vitae, specifying the completed degree and any relevant professional experience.
- Motivation letter.

Offer of job position:

We offer a Tenure Track position for 36 months on the frame of CleanHyPro european project.

Salaries will be paid in accordance with the IREC's salary policy, depending on the candidate's qualification and professional experience.