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Project: Tenure-3D

Area leader: Prof. Joan Ramon Morante

Group: Nanoionics and Fuel Cells

Group leader: Prof. Albert Tarancón Rubio

Researcher Position in 3D Printing of Solid Oxide Cells

The Group Leader of Nanoionics and Fuel Cells is seeking a postdoctoral-level researcher to work in the development of 3D-printed Solid Oxide Cells.

Description: We are interested in a PhD with experience in materials science, especially ceramics for Solid Oxide Cells for power generation and storage applications. The role will consist on the development of 3D printing technology for the fabrication of SOC cells and stacks and their evaluation in the frame of different industrial, national and international projects. The candidate will be integrated in multiple international partnerships including academic and industrial partners. Deep knowledge in Materials Science and Electrochemistry is required.

Requirements: Professional who is highly skilled in planning and organizing. We look for people with capacity to work in a team, high flexibility and initiative and ability to innovate.

The specific candidate's requirements are listed in the following points:

- Education: PhD in Solid Oxide Cells is mandatory (or equivalent four years of dedicated experience in the field of SOCs).
- Scientific outputs: Relevant contributions to the ceramic field are mandatory (peer-reviewed papers and contribution to international congresses in the field).
- Project participation: Participation in international actions on development of SOCs is highly desirable.
- Technology transfer: Participation in competitive projects and industrial contracts lead by companies in the field of SOCs is highly desirable.

Fluent English and Spanish is mandatory.

We offer: Three-year postdoctoral contract with possibility of extension (Tenure Track program). Joining a team of highly qualified and motivated researchers working in the frontiers of knowledge in science and technology.

A salary commensurate with the characteristics of the candidate

Incorporation: The candidates should be available for starting before January 2023

Workplace: Barcelona (IREC facilities)

Applicants should send a detailed CV and a motivation letter to Albert Tarancón, atarancon@irec.cat. Please indicate the reference "Tenure-3D" in your mail.