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Code:

Project: BPP

Area: Advanced Materials for Energy

Area leader: Prof. Joan Ramon Morante

Group: Energy Storage, Harvesting and Catalysis

Group leader: Prof. Joan Ramon Morante

Call for applications: R2 researcher

The Energy Storage group of IREC announces a position as postdoctoral pre-consolidated R2 researcher to give support on an industrial project on CO₂ reduction. The candidate will carry out activities related with the preparation of electrodes and their implementation on electrochemical reactors for CO₂ reduction to value-added products. The candidate will also be involved in the synthesis, deposition and physicochemical characterization of electrocatalysts, and in their functional characterization in full devices.

Requisites: the candidate must have a Doctorate degree in Chemistry, Physics, Material Science or equivalent, and demonstrable previous research experience in materials science, with a strong focus on preparation of catalysts, knowledge on deposition methods (electrodeposition, sputtering, wet-deposition techniques) and characterization tools (XRD, SEM, FTIR, Raman, XPS). Good verbal and written communication skills in English are required. Previous experience in catalytic and electrochemical characterization, as well as on reactor design will be positively evaluated.

Interested candidates should send a detailed CV and motivation letter to irecjobs@irec.cat (with a copy to Prof. Joan Ramon Morante, e-mail: jrmorante@irec.cat), indicating "Research researcher – Energy Storage" in the subject.

Additional information:

- CV and a motivation letter have to be sent to (irecjobs@irec.cat).
- Deadline for applications: 19th July 2021:
- Duration of the contract: 12 months

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

The recruitment process will follow the guidelines of the European Charter of Researchers.