**Publish date**: october 2024

**Deadline for application**: 14th October 2024

**Ref. 24/091**

**Project:** – ETILÈ III

**Area**: Advanced Materials for Energy

**Group**: Energy Storage

**Group leader**: Prof. Joan Ramon Morante

**R1 – Position for the development of catalytic materials for electrochemical CO2 conversion**

**Description**:

The Energy Storage group of IREC announces a 3-month research position for a highly motivated candidate to work on the synthesis of materials for the electrochemical CO2 conversion into ethylene. The candidate will carry out activities related to the synthesis, characterization and evaluation of electrocatalytic materials and preparation of highly selective gas-diffusion electrodes for the electrochemical conversion of CO/CO2 for ethylene and syngas production.

**Qualifications and experience required**:

Essential: To be in possession of a degree in Chemistry, Physics, Materials Science or equivalent. Experience on the synthesis and characterization and evaluation of materials for electrocatalysis. Good verbal and written communication skills in English are also required.

Preferred:

* Previous experience in synthesis and characterization of materials, CO2 electro-conversion to C2+ products, and testing of electrochemical devices.
* Have a number of publications in indexed scientific journals and/or books indexed with ISBN, related to CO2 electroreduction.
* Participation in International Conferences on the Field.
* Master degree in Materials Science/Chemistry/Physics.

Applicants must submit the following documents by email to [irecjobs@irec.cat](mailto:irecjobs@irec.cat); [jrmorante@irec.cat](mailto:jrmorante@irec.cat) and [agarcia@irec.cat](mailto:agarcia@irec.cat), indicating “R1-Research position – ETILÈ III” in the subject.

**Reference**:

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

**Offer of job position**:

We offer a R1 position for 3 months in the framework of ETILÈ III industrial project. Salaries will be paid in accordance with IREC’s salary policy, depending on the candidate’s qualification and professional experience.