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Code:

Project:

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: R.2 Researcher Position in the Energy Storage, Harvesting and Catalysis group

Description:

We are offering a tenure track position in the group of energy storage, harvesting and catalysis group looking for a young doctor to develop its post doc carrier.

Activities will be focused on:

- ✓ (Photo) electrochemical reduction of CO₂.
- ✓ (Photo) electrochemical H₂ production
- ✓ CO₂ capture and reutilization
- ✓ Catalyst synthesis and implementation.
- ✓ Thermocatalysis processes
- ✓ Reactors development and design
- ✓ Bioenergy

Therefore, the candidate will mainly be involved in the following above described activities developing

- i) Organizational aspects of the projects
- ii) Supporting formative tasks with new Ph D and master students
- iii) Development of project activities, measurements and demonstrators Especially, the candidate will take care of the chemical physics characterization and analysis.
- iv) Design and implementation of new experiments and set-up
- v) Involvement in tasks such as managing, writing, partial supervising and/or leading projects as well as in performing research in projects. The candidate should be used to plan resources and ensure deadlines as well of reporting and communication of technical / research results.
- vi) Participating in the field pilot plants required in the laboratory actions.
- vii) Developing and implementing new facilities as well as contributing to the management of the laboratory and group

Requirements:

- Degree in Chemistry, Chemical Engineering, Materials Science or Physics

- Capacity to work in a team, high flexibility, initiative and ability to innovate.
- Proved previous experience in electrochemistry, material synthesis, characterization tools, electrochemistry cells, reactor or pilot plant or system development.
- Proved capability in developing experimental setups. Capacity of the candidate in Matlab and Labview will be appreciated as well as in finite elements and other computer aided design tools knowledge.
- Fluent English, Catalan and Spanish are essential

Proposed Jury:

President	Titular	J.R.Morante
Vocal 1	Titular	S.Murcia
Vocal 2	Titular	Christian Fabrega