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Ref. 18/2022

Code:

Project: FREE4LIB

Area: Energy Efficiency in Systems, Buildings and Communities Area

Area leader:

Group: Power Systems

Group leader: Dr. Jose Luis Domínguez García

TITLE: Junior Engineer/Early Stage Researcher in the field of Electronics and Control of Batteries

JOB DESCRIPTION

The Power Systems Group announces the opening of a position as Junior Engineer / Early Stage Researcher to work on the European funded FREE4LIB project under the Horizon Europe Programme in the field of Control Systems and Electronics. The tasks to be carried out will be focused to design electronics board and implementation of controllers for development of innovative Battery Management Systems (BMS).

Qualifications and experience required:

Essential:

- Bachelor or Master in Industrial Engineering, Industrial Electronics and Automatic Control or Electronics. *Last year students may also be considered*
- Design and implementation of PCB
- Design of controllers and simulations of systems
- Hands-on experience with control system implementation

Preferred:

- Experience in programming.
- Knowledge of communications and automation systems.
- Knowledge of state estimation algorithms
- Knowledge on battery systems

Language required:

Fluent in English. (knowledge of Spanish and/or Catalan is a plus)

Personal Skills:

- Team Worker
- Initiative in Research and Innovation
- Flexibility
- Results-oriented
- Analytical and synthesis capabilities



Shaping Energy for a Sustainable Future

What we offer:

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

Starting Date:

The expected starting Date will be the sooner the better, but the candidate is expected to start in **September 2022 the latest** (However, other dates could be agreed)

How to apply:

Send applications by email directly to HR office (irecjobs@irec.cat) including CV, academic and professional records, and motivation letter.

Please, be aware that the evaluation will be done in a continuous manner, and the position will close as soon as a candidate is selected.

Please indicate "**Ref.18/2022**" in the subject
