Shaping Energy for a Sustainable Future

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Code:
Project:
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 Advanced Modelling of Batteries within GENIUS project

JOB DESCRIPTION

The Power Systems Group announces the opening of a position as Junior Engineer / Early Stage Researcher to work in the field of advanced physics-based modelling of systems and batteries (including electro-chemical, electrical and thermal models) within the frame of GENIUS project. The tasks to be carried out will include simulation, modelling and experimental testing for data and parameters extraction.

Qualifications and experience required:
Essential:
- Bachelor or Master in Industrial Engineering, Physics, Chemistry or similar.
- Laboratory experience
- Knowledge on characterization techniques and battery testing
- Experience in advanced modelling and simulation software

Preferred:
- Interest on developing a PhD
- Experience with physics and electro-chemistry modelling
- Knowledge on computer programming and data acquisition
- Knowledge on Batteries.
- Knowledge on machine learning, artificial intelligence and digital twins

Language required:
Knowledge of English is mandatory. Catalan and/or Spanish is a plus.

Personal Skills:
- Team Worker
- Initiative in Research and Innovation
- Flexibility
- Results-oriented

FUNDACIÓ INSTITUT DE RECERCA EN ENERGIA DE CATALUNYA
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- Analytical and synthesis capabilities

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

How to apply:
Send applications by the online platform as well as by email directly to HR office (irecjobs@irec.cat) and Group Responsible (jldominguez@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.

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