

Publish date March 3rd 2022

Ref. 23/2022

Code:

Project: SCAPE

Area: Energy Efficiency in Systems, Buildings and Communities Area

Area leader:

Group: Power Systems

Group leader: Dr. Jose Luis Domínguez García

TITLE: Early Stage Researcher/PhD fellowship in the field of power converters for EVs

JOB DESCRIPTION

The Power Systems Group announces the opening of a position as Early Stage Researcher/PhD fellowship to work on the SCAPE project under the HORIZON EUROPE programme, in the field of innovative state-of-the-art power electronics for EVs. The tasks to be carried out will include design, modelling, simulation, and experimental testing of small power converter prototypes.

Qualifications and experience required:

Essential:

- Bachelor or Master in Industrial Engineering, Industrial Electronics and Automatic Control, Electronics Engineering or similar.
- Design or operation of power converters
- Experience in electronics modeling and simulation software
- Hands-on experience with power electronics is a must

Preferred:

- Experience with communications and automation systems.
- Experience with control boards design and programming.
- Experience with HIL systems.
- Knowledge on Matlab, Altium, or similar PCB design software.

Language required:

Knowledge of Spanish/Catalan and English is required.

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**, although 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.23/2022**" in the subject
