

Publish date: March, 8th 2024

Deadline for application: April 2024

Ref. 23/061

Project: SCAPE

Area: EiEP

Group: Power Systems

Group leader: Jose Luis Domínguez-García

PI: Àlber Filbà

‘R1: Junior Project Engineer in the field of power converters for EVs’

Description:

The Power Systems Group announces the opening of a position as Junior Project Engineer 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 development of novel converter topologies and associated modulation and control strategies, including 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

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

Personal skills:

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

Required documents:



Shaping Energy for a Sustainable Future

Applicants must submit the following documents by email to irecjobs@irec.cat; jldominguez@irec.cat and afilba@irec.cat.

Reference:

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

Offer of job position:

We offer a R1 position for 24 months on the frame of SCAPE European.

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