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Ref. 74/2022

Code:

Project:

Area: Energy Efficiency in Systems, Buildings and Communities Area

Area leader:

Group: Power Systems

Group leader: Dr. Jose Luis Domínguez García

R3 Established Researcher in the field of Energy Storage integration, management and control

JOB DESCRIPTION

IREC seeks Interim Established Researcher R-3 to fill the job for the duration of the selection process for its permanent appointment, in accordance with the regulations of the public sector. The Established Researcher to work on different technical research projects in the fields of energy storage, including integration and design of electronics, boards, power electronics and control for microgrids and smart grids. The tasks to be carried out will be focused to the design, development and implementation of energy storage technologies, power electronics including its control and communication boards for laboratory and research projects, as well as advanced control for grid integration of renewable energies. Additionally, experimental activities with micro grids including design and implementation of experimental set ups with IREC's micro grid are expected.

The professional is expected to actively participate in the IREC Energy SmartLab Team.

Qualifications and experience required:

Essential:

- PhD in Electrical Engineer
- Master and Bachelor in Industrial Electronics and Automatic Control, Electronics, Telecommunication, electrical engineering or similar.
- More than 8 years as PostDoc in a research institute.
- Experience in research industrial and competitive projects.
- Demonstrable responsibility on European project tasks as well as industrial contract.
- Responsibility and PI of research collaborative projects
- Proven experience and success of Competitive project proposal preparation and funding attraction
- Experience in power converter repairation.
- Experience in real field work and installations.
- Relevant publications in the field of renewable energy and grid integration.

- Knowledge and experience on energy storage technologies including management (BMS) and integration.

Language required:

Fluent in Spanish, Catalan and English.

Personal Skills:

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

What we offer:

We offer a permanent contract. 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 email directly to HR office (irecjobs@irec.cat) and Dr. Jose Luis Domínguez (jldominguez@irec.cat) including CV, academic and professional records, and motivation letter.

Please indicate **"Ref.74/2022"** in the subject
