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Area: Electric Engineering

Head of the Area:

Group: Power Systems

Head of Group: José Luís Domínguez García

TITLE: Researcher in the field of Power Electronics design and control

JOB DESCRIPTION

The Power Systems Group announces the opening of a permanent position as Established Researcher to work on different technical research projects in the fields of 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 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 4 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.
- 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 English.

Personal Skills:

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

Proposed Jury:

Presidència	Titular	José Luís Domínguez
Vocal 1	Titular	Oriol Gomis-Bellmunt
Vocal 2	Titular	Cristina Corchero