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Area: Electric Engineering
Head of the Area:
Group: Power Systems
Head of Group: José Luís Domínguez García

TITLE: Automation and Controls Project Engineer in the field of MicroGrids and SmartGrids

JOB DESCRIPTION

The Power Systems Group announces a new opening as Project Engineer to work on different technical research projects in the fields of microgrids and smart grids. The tasks to be carried out will be focused to the development and implementation of control and communication boards for laboratory and research projects, power distribution grid management algorithms and grid flexibility controls. 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:

- Master and Bachelor in Industrial Electronics and Automatic Control, Electronics, Telecommunication, electrical engineering or similar.
- Experience with communications and automation systems.
- Experience with control boards (e.g. Raspberry pi, or others)
- Experience with industrial/laboratory SCADA systems.
- Experience in research industrial and competitive projects.
- Experience in optimal management of distribution grids.
- Proven experience in related fields and work places.

Preferred:

Knowledge of different programming languages and optimization, experience in modelling, control, design or operation of power converters. Experience in power converter reparation and in communication platform deployment. Experience in real field work and installations.

Language required:

Fluent English.

Personal Skills:

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

Proposed Jury:

Presidència	Titular	José Luís Domíguez
Vocal 1	Titular	Francisco Díaz
Vocal 2	Titular	Cristina Corchero