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**Ref. 8/2021**

**Code:**

**Project:**

**Area: Energy Efficiency in Systems, Buildings and Communities Area**

**Area leader:**

**Group: Power Systems**

**Group leader: Dr. Jose Luis Domínguez García**

**TITLE: R1 - Junior Engineer/Early Stage Researcher in the field of Electronics**

## **JOB DESCRIPTION**

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Power Systems group announces a position as Junior Researcher/Engineer (R1) for the IREC Smart Grid laboratory. The candidate will work on technical research projects in the fields of electronics, smart grids and renewable energy integration at the Power Systems Group of IREC. The tasks to be carried out will include both simulation and experimental activity within the IREC's Energy SmartLab.

These activities require knowledge and high interests on electronics, renewables, energy storage, electric mobility and grid integration. The position requires a candidate with high interest and capacity to work on laboratory experimental facilities. The professional is expected to actively participate in current and new research projects (competitive and industrial) within the group.

### **Qualifications and experience required:**

#### *Essential:*

- Bachelor or Master in Industrial Electronics and Automatic Control, Electronics, Telecommunications engineering, or field related. *Last year students may also be considered*
- Knowledge on electronic boards design (analog and digital circuits).
- Knowledge on control systems.
- Hands-on experience with power electronics is a must (e.g. probes, oscilloscopes, current clamp, or others).

#### *Preferred:*

- Experience in programming.
- Experience on PCB design.
- Experience with communications and automation systems.
- Knowledge regarding industrial electronic systems.
- Knowledge on automation standards.

#### *Language required:*

Fluent in English. (knowledge of Spanish and/or Catalan is a plus)

*Personal Skills:*

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

**What we offer:**

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 IREC webpage as well as you can send email directly to HR office ([irecjobs@irec.cat](mailto:irecjobs@irec.cat)) and Group responsible José Luis Domínguez-García ([jldominguez@irec.cat](mailto:jldominguez@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.