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**Ref. 33/2023**

**Code:**

**Project: RESPONDENT**

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

**Area leader:**

**Group: Power Systems**

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

**TITLE: Researcher on the PMU application for future distribution networks**

## **JOB DESCRIPTION**

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The Power Systems Group announces a new opening as Research Engineer to work on RESPONDENT research project in the field of PMU application of future distribution networks. These positions are related to the development of the tools for control, monitoring and operation of electrical networks power converters. Such analysis will include design and validation of tools for the electrical networks as lab testing or field application.

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

#### *Essential:*

- Bachelor or Master in electrical engineering or related.
- Knowledge in network operation
- Knowledge in automation and control
- Good use of Python
- Knowledge of Matlab Simulink, DigSilent Power Factory, etc
- Knowledge of Machine Learning

#### *Preferred:*

- PhD on a field related.
- Knowledge in Sensors, data processing and communication.
- Knowledge in GIS, databases, etc
- Knowledge in HIL systems
- Experience in working in/with network operators
- Experience in work in international environment.
- Experience in work in collaborative projects.

#### *Language required:*

Fluent in English. Spanish desirable

#### *Personal Skills:*

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

**What we offer:**

We offer fix-term position, with potential extension. Salaries will be paid in accordance with the IREC's salary policy, depending on the candidate's qualification and professional experience.

**Starting Date:**

The expected starting Date will be the sooner the better, but the candidate is expected to start in **Summer 2023 the latest** (However, other dates could be agreed)

**How to apply:**

Send applications by email directly to Francesc Torregrosa ([irecjobs@irec.cat](mailto:irecjobs@irec.cat)) including CV, academic and professional records and motivation letter