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Code: IU16-011655 FEM IOT

Project: IoT Data

Area: Energy Efficiency in Systems, Buildings and Communities Area

Area leader:

Group: Energy Systems Analytics Group

Group leader: Prof. Cristina Corchero Garcia

Energy Systems Analytics Group announces a position as Energy management systems (EMS) engineer in the framework of the Project “IoT Data Valorization” within the Agrupació de Tecnologies Emergents “FEM IOT”.

Energy Management Systems Engineer

The candidate will participate in a consortium form by 10 Catalan research centers working on the IoT Data Valorization for different applications such as energy, security or resiliency.

The tasks to be carried out will be mainly focused to technology development and implementation of energy management systems at laboratory and demonstration field level. These activities require knowledge of design and implementation of optimization algorithms, energy management systems, automation and communication systems. Knowledge of renewables, energy storage, electric mobility and grid integration is advantageous. Knowledge of data management and visualization is advantageous.

This professional must be skilled in industrial applications and research projects with specific focus on energy management systems and, in particular, to experimental deployment of EMS systems. Capacity to work in a team, flexible, innovative, with initiative and problem solving skills. High level of analytical and synthesis skills.

Qualifications and experience required:

- MSc in electrical engineering, industrial engineering or alternatively on mathematics or statistics with energy systems knowledge.
- Knowledge and experience in optimization, mathematical modelling, design and implementation of energy management systems is essential.
- Experience in Python is essential.
- Knowledge on data management, data structures, applied data mining and machine learning would be an advantage.

- Experience in design and operation of microgrids and smart grids components and systems for their applications with renewable energy, energy storage systems, electric mobility and grid integration would be an advantage.

Language required:

Fluent in Spanish and English.

Personal Skills:

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

Salary:

Salaries will be paid in accordance with the IREC's salary policy, depending on the candidate's qualification and professional experience.

Send applications by email (irecjobs@irec.cat) including CV, academic and professional records and motivation letter.

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