

Publish date January 20th 2022

Ref. 6/2022

Code:

Project:

Area: Energy Efficiency in Systems, Buildings and Communities Area

Area leader:

Group: Energy Systems Analytics Group

Group leader: Dra. Cristina Corchero García

JOB DESCRIPTION – Post Doc on Energy Systems Integration (R2)

Energy Systems Analytics Group announces a position as Post-Doc on Energy Systems Integration having a strong perspective and compromise on circular economy. The candidate will work on technical research projects in the fields of optimal energy management, energy efficiency, smart grids and sustainable vehicles.

This professional must be highly skilled in research projects including experimental simulation and validation. Capacity to work in a team, flexible, innovative, with initiative and problem solving skills. High level of analytical and synthesis skills.

The professional is expected to lead research projects (competitive and industrial) in the field of energy systems integration with special focus on storage systems and renewable generation. Publication of high-level articles required.

Qualifications and experience required:

- PhD in energy systems, electrical power engineering, industrial engineering or similar.
- Skills are required for the following:
 - o Experience in energy systems integration, specifically storage systems, renewable energy and demand response.
 - o Experience in circular economy.
 - o Experience in international research collaborative projects and the execution of third party projects.
 - o JCR Journal publications.
- Skills are preferred for the following:
 - o Battery management and control systems
 - o Battery State-of-health or State-of-functionality
 - o Battery degradation modes and causes

- Electric vehicle and stationary application links
- Experience on leading or participating actively in new competitive projects proposal preparation.
- Experience in research center or university different to the university where he has obtained his PhD.

- Other skills required
 - Self-motivated and open-minded
 - Adapt to relatively new research lines.
 - Good communication skills

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 directly to (irecjobs@irec.cat) including in the subject Post Doc on Energy Systems Integration (R2) Ref. 6/2022, CV, academic and professional records and motivation letter