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NºRef.51/2019

Job Title: "Post-doc researcher for LCA and LCC for energy technologies"

Description:

The Energy Systems Analytics Research Group is seeking for a Junior Project Engineer to work in a technical European research project in the field of Life Cycle Assessment and economic assessment for energy technologies.

Its main tasks will be focused on the LCA analysis of different energy technologies such as battery systems, renewable energies and advanced materials for energy. For this reason, under the supervision of its responsible, the candidate will be asked to prepared specific questionnaires for inventory data collection, to prepare the model for calculations and results reporting in the appropriate format.

This candidate must have high education qualifications and, if possible, some experience in life cycle assessment (LCA), economic assessment (LCC), advanced and proven knowledge in LCA software (GaBi and Ecoinvent database), applied to the energy sector, energy storage systems for electric vehicles, renewable energies and advanced materials for energy . Capability to work in a team, flexible, innovative, with initiative and problem solving skills. High level of analytical and synthesis skills.

The candidate is expected to provide engineering support for the energy economics aspects of IREC projects integrated as part of the Energy Efficiency in Systems and Communities Research Area.

Qualifications and experience required:

Essential:

The call is open to professionals from any nationalities that fulfil the following eligibility criteria:

- Hold a PhD in the areas of Industrial Engineering, Electrical Engineering, Energy Engineering, Civil Engineering or Environmental Sciences related with LCA or LCC techniques. The PhD degree should be no more than two year old.
- LCA experience in the field of renewable energy systems, preferable energy storage systems and fuel cells.
- Knowledge in LCA software (GaBi) and databases.

Preferred:

- Knowledge and experience in projects in the energy sector, especially in renewable energies, advance materials for energy, energy storage systems.
- Knowledge of financial aspects related to energy projects.
- Good communication skills; ability to communicate complex scientific information to individuals from other disciplines.
- Experience in European collaborative projects.
- LCA or LCC related scientific publications.

Language required:

Fluent in Spanish and English

Personal Skills:

- Team Worker
- Initiative in Research and Innovation



Shaping Energy for a Sustainable Future

- Flexibility
- Results-oriented
- Analytical and synthesis capabilities

Technical knowledge:

- Experience in LCA and LCA software and database (GaBi, Ecoinvent, ...)

Required documents:

Applicants must submit the following documents by email to irecjobs@irec.cat, indicated in the object "**NºRef. 51/2019**" job vacancy before the 30 th of January 2020

- Curriculum Vitae, specifying the completed degree and any relevant professional experience.
- Motivation letter.

What we offer:

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