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Experienced researcher in Energy Systems Analytics (R3)

Energy Systems Analytics Group announces a position for an experienced researcher in the energy systems area with good knowledge in the topics of energy systems integration, electricity markets, electrical grids and mathematical optimization towards sustainable energy systems. The ideal candidate shall demonstrate a significant track record of publications in top scientific journals and of competitive funding projects acquired.

The selected applicant will be asked to conduct research, development and innovation by defining, acquiring and managing one or several competitive and industrial research projects in these topics. The candidate shall be the principal investigator for some research projects.

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

The professional is expected to

- o Define, obtain and manage competitive (H2020 or similar) and industrial (private) research projects in the field of energy systems integration.
- o Lead a team of researchers.
- o Promote the transfer of research results to public and private partners.
- o Publish in JCR indexed journals.
- o Write/review technical reports when required.
- o Make presentations at international workshops and conferences.
- o Participate in international research forums.
- o Actively contribute to the development of scientific and technological cooperation networks at national and international level.

Qualifications and experience required:

- PhD in energy systems, electrical power engineering, industrial engineering, applied mathematics or operations research.
- More than 5 years of post-doc research experience.

Skills are required for the following:

- o Experience in energy systems integration.
- o Machine learning algorithms including application to renewable energy sources and consumption patterns forecasting
- o Electricity markets with focus on distribution system.
- o Experience in international research collaborative projects and the execution of third party projects.

- o Experience in international research projects proposals writing.
- o Track of top JCR Journal publications.
- o Experience in research team management.

Other skills required

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

Language required:

- Fluent in English.
- Spanish or Catalan is an asset.

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 indicate "Experienced researcher in Energy Systems Analytics (R3) N°Ref.28/2020" in the subject (irecjobs@irec.cat).