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Code:

Project: PANDEMIES

Area: Energy Efficiency in Systems, Buildings and Communities Area

Area leader:

Group: Energy Systems Analytics Group

Group leader: Dra. Cristina Corchero García

JOB DESCRIPTION

Junior Project Engineer (R1) in the field of Designing Resilient Communities to Mitigate Pandemic and Climate Change effects

Energy Systems Analytics group announces a position as Junior Researcher (R1) in the field of risk, resilience and adaptation measures to pandemic and climate change for energy system management. The candidate will participate in the COMMIT20 project (funded by AGAUR under the PANDEMIES call) and is expected to analyze energy data for pandemic periods characterization and to assess impact and adaptive measures in Energy Management Systems. Also, further recommendations for resilience measures application, as well as investment prioritization for minimizing the impacts of climate change or other pandemic situations is expected.

Qualifications and experience required:

Essential:

- Master in statistics and operations research with interests and knowledge on energy systems or Master in energy engineering, industrial engineering, energy engineering with interest and knowledge on data science.
- Knowledge and experience with the following software:
 - Python
 - R
 - Modelling of energy systems

Preferred:

- Skills and knowledge on the following fields:
 - Mathematical modelling and optimization.
 - Energy sector and energy management systems
 - Renewable energy sources

Language required:

- Good communications skills in English are mandatory.
- Knowledge of Spanish and/or Catalan will be beneficial.

Personal Skills:

- Team Worker.
- Initiative and interest 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 to Human resources office (irecjobs@irec.cat) including CV, academic and professional records and transcripts and motivation letter.

L'Agència de Gestió d'Ajuts Universitaris i de Recerca (AGAUR) han atorgat una ajuda Pandèmies 2020 per aquest projecte "ComMit-20 - 2020PANDE00116" amb el suport de la Secretaria d'Universitats i Recerca del departament d'Empresa i Coneixement de la Generalitat de Catalunya.

