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Code:

Project: Comunitat.coop

Area: Energy Efficiency in Systems, Buildings and Communities Area

Area leader:

Group: Thermal Energy and Building Performance Group

Group leader: Dr. Jaume Salom Tormo

First Stage Research / Project Engineer - Building Performance ECOS – Energy Efficiency in Systems, Buildings and Communities Group

The applicant will work as a research / project engineer in projects related to energy efficiency in buildings and communities, DER (Distributed Energy Resources) integration and energy management systems in buildings. He/she will report to the lead-Researcher of Building Performance research line in close collaboration with her.

Description

The research will be embedded in the Thermal Energy and Building Performance Group which main research subject is the Integrated and Systemic approach for Zero Energy Communities, Buildings and Industries. The group's special focus is on the Mediterranean and other warm weather regions. The vision is to build an applied research group that contributes to accelerate the reduction of greenhouse gas emissions (GHG) through energy efficiency measures, production of clean energy, and integration of distributed renewable energy sources (RES).

The candidate will participate supporting the lead researcher in the Comunitat.coop project as main activity. The Comunitat.coop project, funded by the Generalitat de Catalunya, aims to develop a digital platform of integrated services, so-called Comunitat.coop, with the functionalities and appropriate scales of intervention, in support of the ESS Support Model in the actions of urban regeneration. From there, the project aims to introduce different services as planning, management and financial aspects linked to the building stock regeneration and decarbonization.

Requirements

We are looking for excellent and highly motivated candidates with at least MSc degree and background related with energy in buildings, PV-RES systems, urban planning and/or Geoinformation. Knowledge of TRNSYS, Python or other dynamic building simulation / computational tools, and GIS-tools is highly valuable. Knowledge of HVAC systems is desirable.

We are looking for a methodical, excellent team-player and results-oriented candidate with good communication and management skills. Good level of English is required.

We offer



Shaping Energy for a Sustainable Future

We offer the chance to become part of an exciting and consolidated team, with international recognition, for developing cross-cutting projects in science and technology, oriented towards excellence. We also offer a research environment comprised of highly qualified and motivated professionals. Salaries will be paid in accordance with the IREC's salary policy, depending on the candidate's qualification and professional experience. Expected category: R1.6 – First Stage Researcher / Project Engineer (R1).

We offer a temporary contract (full-time) until the end of the project.

Workplace. Barcelona (IREC facilities)

Application

Applicants should send a detailed CV and a letter of motivation to irecjobs@irec.cat.

The application deadline is December the 16th 2021.

Please indicate “2021 –Comunitat.coop - Buildings” in the subject



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