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Area: Energy Efficiency in Systems, Buildings and Communities
Group: Thermal Energy and Building Performance
Head of Group: Jaume Salom Tormo

Position: Recognised Researcher – Energy in Buildings

Description

The Thermal Energy and Building Performance Group announces a permanent position of Recognised Researcher (R3 – R3.4) in the field of Energy in Buildings. The research will be embedded in the Thermal Energy and Building Performance Group which main research subject is the integrated and systemic approach towards positive energy buildings and communities. The group's vision is to investigate in solutions and strategies that accelerates the reduction of greenhouse gas emissions in the building sector through human-centred design, energy efficiency measures, integration and management of energy systems, particularly distributed renewable sources in the built environment as part of urban communities.

The candidate will be involved in tasks such as managing, supervising and leading projects as well of performing research in projects related to energy in buildings and HVAC systems and integration of renewable energies in buildings, IEQ in Buildings and cost-benefit analysis. Integrated in a multi-disciplinary team, the candidate is expected to lead research activities as part of international projects or projects with industrial partners, including multi-partners project. The candidate should be used to plan resources and ensure deadlines as well of reporting and communication of technical / research results.

Requirements

We are looking for a methodical, excellent team-player and results-oriented candidate with high communication skills.

Essential:

- PhD degree in Energy/Mechanical Engineering and/or Building Physics Science
- 15 years of experience in experience in building performance, thermal renewable systems and generally speaking energy systems in buildings and/or cities, including business models and cost-benefit analysis.
- Experience and knowledge in computational energy systems simulation tools
- Advanced knowledge in TRNSYS
- 10 year experience in EU and international research projects, with active roles in the coordination of WPs
- Proven results in activating / managing funded projects as Principal Researcher. At least 600.000 € -in the last 5 years. both from competitive calls and private companies.
- Knowledge of Energy Policies at EU, Spanish and Catalan level

- Team management
- Fluent English, Catalan and Spanish are essential

Preferred:

- Experience in transferring research results to industry
- Awards due scientific or professional activity
- Experience in consulting services in the field of Energy and Buildings
- Experience in organising training capabilities courses for professionals
- Scientific publications and Public technical reports
- Initiative in Research and Innovation
- Leading in creation of Spin-offs or Technological-based companies
- Experience in testing methods and monitoring of retrofitted buildings
- Professional associations and accreditations

Proposed Jury

Presidència	Titular	Jaume Salom
Vocal 1	Titular	Núria Garrido
Vocal 2	Titular	Manel Sanmartí

More information about the selection process in:

**CALL AND REGULATORY BASES OF THE SELECTION PROCESS BY COMPETITION FOR THE
RECRUITMENT OF LABOR PERSONNEL 2021/ CONVOCATÒRIA I BASES REGULADORES DEL PROCÉS
DE SELECCIÓ PER A LA CONTRACTACIÓ DE PERSONAL LABORAL 2021**