RESEARCHER in SUSTAINABLE SOLAR CONVERSION TECHNOLOGIES

Established in 1906, Leitat is a technological center whose mission is to manage technologies to create and transfer social, environmental, economic, and industrial value to companies and institutions by means of R&D&I. Leitat works with more than 45 countries and develops over 215 projects annually in the fields of circular economy, biotechnology, bioeconomy, health, advanced materials, industrial chemistry, renewable energies, and new production processes. Leitat is strongly committed to over 1500 customers that benefit from our creative and innovative solutions.

Job Description:

We are looking for motivated candidates to incorporate in the R&D area devoted to "Solar Conversion Technologies" in the frame of several ambitious international projects focused on efficient, sustainable, and inclusive energy use. Key objectives of these projects are:
- Design of components and prototypes integrating advanced solar energy conversion technologies (like photovoltaics, thermoelectricity, energy management systems, etc) complying with international standards for buildings and infrastructures
-Definition of the appropriate measurements and validation protocols for the assessment of the performances both of the component/devices and integrated system/infrastructure.
The selected candidate will operate in the framework of a technological platform endowed with a wide spectrum of design, fabrication and characterization facilities and will collaborate with technicians and engineers of the "Advanced Engineering" area.

Main tasks:

Design and characterization of innovative components integrating advanced solar conversion technologies and their integration in different built environments (buildings, transportation, agriculture)
Modelling, simulation, and analysis of the energy performances both at component scale and system scale

Education:

Master in Renewable Energies / Electric or Electronic Engineering / Physics / Materials Chemistry
PhD degree or equivalent 4 years research experience (optional) in solar conversion technologies

Experience:

Experience in manufacturing and characterization of energy conversion systems (photovoltaic, photo-electrochemical, thermal and electrical energy storage)
Experience in design and modelling of energy conversion systems (e.g design and calculation of a the KPIs of a PV installation)
Experience in redaction of technical reports and scientific articles

Competencies and abilities:

Work in multidisciplinary teams
Efficient use of time and resources
Flexibility and positive attitude

Languages:

Fluent English
Good Spanish (optional)

Software:

High command of MS Office (Word, Excel, Teams, Outlook).

Location:

Terrassa

*Please attach your cover letter.

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