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SOLAR
ENERGY
Materials and Systems

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Research line: Advanced characterization processes in thin film PV technologies
(Processos avançats de caracterització en tecnologies fotovoltaïques de capa fina)

Area: Advanced Materials for Energy

Area leader: Prof. Joan Ramon Morante

Group: Solar Energy Materials and Systems, SEMS

Group leader: Prof. Alejandro Pérez Rodríguez

IREC (“Fundació pública Institut de Recerca en Energia renovable de Catalunya”, www.irec.cat) is a leading research center located in Barcelona where research is carried out to improve the future of society within the field of energy, renewables and energy efficiency.

The Solar Energy Materials and Systems Group (SEMS) is an interdisciplinary research group of 24 people that includes researchers in physics, chemistry and materials, and engineers in electronic, mechanical, and programming, all focused on creating new solutions to improve photovoltaics and their transfer to the society with strong interaction with other European research centers as well as with the industry.

We are looking for a Junior artificial intelligence analyst with the following requirements.

- The candidate must be in possession of MSc in computing, physics, chemistry, engineering or equivalent.
- Knowledge in Numerical Analysis and Machine Learning.
- Experience in Python programming.
- Experience in AI architecture (design, implementation, and training)
- Demonstrated experience in the use of AI for the analysis of spectroscopic data
- Experience in research environments and in the photovoltaic sector will be very well evaluated

We offer:

- Participation in research projects
- Interaction with research environment and industrial environment
- Be part of an interdisciplinary team
- Access to the necessary infrastructure
- Possibility of a career in an academic-industrial transfer environment

How to apply: Send the CV and diplomas (or certificate) to Dr Ignacio Becerril-Romero (ibecerril@irec.cat) and Dr. Victor Izquierdo-Roca (vizquierdo@irec.cat) indicating “Ref. 23/024” in the subject of the e-mail.

Deadline: December 3rd 2023

Starting date: December 2023

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