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**Project:** INVESTIGO SEPE

**Area:** Advanced Materials for Energy

**Area leader:** Prof. Joan Ramon Morante

**Group:** Solar Energy Materials and Systems, SEMS

**Group leader:** Prof. Alejandro Pérez Rodríguez

The Solar Energy Materials and Systems (SEMS) group announces an INVESTIGO SEPE fellowship:

**Position for automation of characterization and process monitoring systems**

**Position description:** IREC research center seeks to incorporate an engineer or researcher to the SEMS research group to provide support in optical sensors R&D and their adaptation to industrial environments. The candidate will carry out activities focused on the design and prototyping of sensing devices for applications in the field of process monitoring and characterization compatible with industrial environments. The gross salary of the candidate will be 23.8k€/year (position category R1.6).

**Tasks to develop:**

- 3D mechanical design of parts for opto-mechanic hardware.
- Implementation of mechanical parts by 3D printing.
- Manage prototyping services with external providers.
- Implementation of electronics and software for robotics hardware automation (control and data acquisition).

**Requisites:**

- To be between 16 and 29 years old
- To be registered in the Spanish "Oficina de Empleo" (SEPE)
- To be in possession of a degree in Engineering (electronic, teleco, industrial...), Physics, Materials Science, Chemistry, or equivalent before the incorporation date

**The following characteristics will be very well evaluated:**

- Experience in industrial environments.
- Experience in 3D design.
- Experience in software development
- Experience in automation.
- Experience in R&D
- Master degree in related topic.



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**How to apply:**

Send the CV, a motivation letter and bachelor's and master's diploma (or certificate) to Dr. Victor Izquierdo-Roca (vizquierdo@irec.cat) (with copy to Dr. Ignacio Becerril, e-mail ibecerril@irec.cat) indicating INVESTIGO-1 in the subject of the e-mail.

**Deadline:** 17<sup>th</sup> February 2023

**Starting date:** Preferable 31<sup>st</sup> March

**Expected duration of contract:** 24 months.