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**Area:** Advanced Materials for Energy Applications

**Head of the Area:** Prof. Joan Ramon Morante

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

**Head of Group:** Prof. Alejandro Pérez-Rodríguez

**Position: Laboratory Technician**

The group of Solar Energy Materials and Systems (SEMS) from the area of Advanced Materials for Energy announces a **Laboratory Technician** position (TL3-4.5.2 level) available for a highly motivated candidate to work in the Coordination and Management of the equipment and tools available at the SEMS group Laboratory, supporting the research lines active in the group in the development of thin film chalcogenide photovoltaic technologies.

**Activities:** The candidate will carry out a multidisciplinary activity with the final aim of coordinating the management of the equipment and research tools available at the SEMS group, including the following activities: i) Coordination of the reserves of the equipment and schedule of the use of the equipment at the laboratory; ii) Coordination with the research / projects programs currently active in the SEMS group; iii) Coordination with the Occupational Risk Prevention Committee and implementation of new proposals for the improvement of safety in the laboratory; iv) Management of the activities in the laboratory; v) Preparation of budget proposals for equipment, consumables and professional services, with the monitoring and control of the execution of these services; vi) Coordination of the assembly of new equipment of added value in the laboratory; vii) Development and coordination of formative tasks for the users and control of the regime of utilisation of the equipment; and viii) Update and development of experimental setups and update of the measurement procedures and working protocols.

Tasks involved in the position include specifically the coordination and management of the Electrochemical Workshop and equipment in the SEMS Laboratory, including DC, DC-pulsed and RF sputtering as well as thermal and e-beam evaporation systems, conventional and rapid thermal annealing furnaces, ALD and Chemical Bath Deposition (CBD) and SILAR processes.

**Requirements:** Candidate must have a PhD degree in Chemistry, Physics, Material/Electronics Engineering or equivalent, with demonstrated experience in chemical and electrochemical processes for thin film photovoltaic inorganic technologies and fundamental characterization of materials (XRD, SEM, Raman, AFM, XRF, etc). Previous demonstrated experience as Laboratory Technician and in research activities related to Thin Film Chalcogenides Photovoltaic technologies will be very well evaluated.

**Proposed Jury:**

Presidència	Titular	Prof. Alejandro Pérez-Rodríguez
Vocal 1	Titular	Dr. Jordi Jacas
Vocal 2	Titular	Dr. Edgardo Saucedo (UPC)

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**