

Publish date January 20th 2021

Ref. 3/2021

Code:

Project: MasterPV

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 group, belonging to the Advanced Materials for Energy area, is announcing an early stage researcher position, in the framework of the MasterPV Project, in the research line of:

ADVANCED CHARACTERISATION OF THIN FILM CHALCOGENIDE SOLAR CELLS ON TRANSPARENT CONTACTS

The candidate will carry out a multidisciplinary scientific activity centred on the advanced characterization of chalcogenide solar cells on transparent back contacts. The candidate will work in the frame of the MasterPV project, and will be at the forefront of the photovoltaic device fabrication/characterization, with a strong interaction with the partners involved in the project for the development of high quality chalcogenide absorbers on optimized transparent back contacts. Previous experience in advanced microscopic (TEM), optical, vibrational and optoelectronic characterization of chalcogenide solar cells will be very well evaluated.

Requisites: the candidates must have Bachelor and Master degree in Physics, Chemistry, Electronic Engineering, Materials Engineering or equivalent, before the incorporation date. Previous demonstrated experience on the advanced TEM, XRD, Raman scattering, optical characterization, and optoelectronic characterization (IV, EQE, CV) of thin film chalcogenide PV devices will be very well evaluated. Availability for incorporation in the position on March 2021 is also required.

Candidacy: send the CV, Bachelor and Master degrees/records to Prof. Alejandro Pérez-Rodríguez (e-mail aperezr@irec.cat) indicating **Ref. 3/2021** in the subject of the e-mail.

Deadline: February 13th 2021

Starting date: 1st March 2021

Contract duration: 5 months

For additional information please contact Prof. Alejandro Pérez-Rodríguez (aperezr@irec.cat)