

Resolution date August 15th 2020

Proposal for the Assignment of R1 Researcher for MasterPV Project (NºRef 31/2020)

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Code: NºRef 31/2020
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:

DEVELOPMENT AND ADVANCED CHARACTERISATION OF THIN FILM CHALCOGENIDE SOLAR CELLS ON TRANSPARENT CONTACTS

The candidate will carry out a multidisciplinary scientific activity centred on the development and 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 the synthesis, fabrication and advanced structural (Raman spectroscopy) 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, and demonstrable previous research experience in thin film chalcogenide technologies, with a strong focus on the fabrication/characterization of solar devices, and knowledge on the use of different processing equipment (sputtering, evaporator, tubular furnaces) and characterization tools (XRF, XRD, SEM, Raman scattering, solar simulator, spectral response). Previous experience in Raman scattering characterization of chalcogenide absorbers will be very well evaluated.

Candidacy: send the CV, Bachelor and Master degrees/records to Dr. Marcel Placidi (mplacidi@irec.cat) (with copy to Prof. Alejandro Pérez-Rodríguez, e-mail aperezr@irec.cat) indicating NºRef 31/2020 in the subject of the e-mail.

Deadline: August 15th 2020
Starting date: 1st September 2020
Contract duration: 11 months

For additional information please contact Dr. Marcel Placidi (mplacidi@irec.cat) or Prof. Alejandro Pérez-Rodríguez (aperezr@irec.cat)