



INSTITUTO DE ENERGÍA SOLAR UNIVERSIDAD POLITÉCNICA DE MADRID

PhD Position on

POLITÉCNICA
Instituto de Energía Solar

SOCIAL IMPLICATIONS OF PHOTOVOLTAIC RESEARCH

INTRODUCTION

In the framework of a European project GRECO belonging to the SWAFS call (*Science With And For Society*), the research group "Silicio y Nuevos Conceptos de Células Solares" is looking for a candidate willing to follow a PhD with a strong interdisciplinary character covering technology and social science.



SCOPE

The research community is promoting methodologies that aim to increase public awareness and engagement on science goals and results, such as Open Science, Responsible Research and Innovation, Citizen Science... After an important theoretical work to define and reflect on them, the focus is now in putting them into practice and evaluate their performance. The work proposed will analyse the impact of Open Science tools used in the context of research in Photovoltaics (PV), following different activities that go from novel concepts in solar cell development to PV systems. With an interdisciplinary approach where social and technological factors will be addressed, the aim is to gain understanding on how these tools impact the research results, which barriers and challenges face, and to what extent do they fulfil their goal of making science more open and more responsible.



REQUIREMENTS

- A master degree in Engineering, Physics, Chemistry or Materials Science. Candidates should have graduated no earlier than 2015
- Good academic record above 7.8/10 for the degree and 8.2/10 for the master degree.
- Great motivation for scientific work and team work
- Knowledge on photovoltaic energy, material science, or related areas.
- Full proficiency in English at least B2 certification (and B2 of Spanish –or will to get it!– for foreign applicants)

GENERAL CONDITIONS

- One-year fellowship is offered, with equivalent income to that of FPU, FPI or University grants
- In the course of the year, funding for the rest of the PhD (estimated additional duration of 3 years) will be asked for in public and private calls.
- Integration in the Solar Energy Institute, an internationally-recognized research centre on PV.
- Attendance to international scientific conferences and opportunities for research stays in partner labs in Europe and abroad.

APPLICATIONS

Interested candidates should send his/her resume and transcripts of all undergraduate and graduate (if any) coursework to Ana Belén Cristóbal (anabel.cristobal@ies.upm.es).

Reception of CV at 31.7.18

Estimated date of incorporation: September 2018

