



PhD Position on

SILICON SOLAR CELL DEVELOPMENT

INTRODUCTION

In the framework of a Spanish R&D project to develop advanced bifacial solar cells and modules, the research group “Silicio y Nuevos Conceptos de Células Solares” is looking for a candidate willing to follow the PhD.



SCOPE

The work proposed will contribute to the development of high efficiency bifacial solar cells on low-cost silicon substrates. Special focus will be done in the implementation of advanced passivation contacts and in the tailoring of thermal steps for high-defective Si substrates.

REQUIREMENTS

- A degree (“grado”) and a master in Physics, Materials Science, Electronic Engineering, or Telecommunication Engineering. Candidates should have graduated no earlier than 2015
- Good academic record (above 6.82 for a grade in engineering, 7.15 for a grade in sciences)
- Great motivation for scientific work and team work
- Knowledge on semiconductor physics, device physics
- Full proficiency in English (and basic knowledge 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.
- Excellent experimental infrastructure and international atmosphere.
- Attendance to international scientific conferences
- Research stays in partner labs in Europe and USA.

APPLICATIONS

Interested candidates should send his/her Resumé and transcripts of all undergraduate and graduate (if any) coursework to Prof. Carlos del Cañizo Nadal (carlos.canizo@upm.es)

October 11th, 2018