



2017-IPR-C-000-8184

Characterization of C-Si bifacial PV modules

Position for:

Trainee

Short description of activity:

As the science and knowledge service of the Commission, the mission of DG Joint Research Centre is to support EU policies with independent evidence throughout the whole policy cycle.

The JRC is located in 5 Member States (Belgium, Germany, Italy, the Netherlands and Spain). Further information is available at: <http://www.jrc.ec.europa.eu>

The JRC's European Solar Test Installation (ESTI) is a European reference lab for performance measurement of innovative photovoltaic technologies.

The work for this project is focused on the set-up design and electrical characterization of different types of c-Si bifacial photovoltaic modules. I-V characterization will be completed with electroluminescence and IR thermography analysis for a better understanding of this relatively new type of PV modules and contribute to the development of the IEC standards related to bifacial PV modules.

The objective of the proposed training is to support in the electrical characterization of bifacial modules, analysing the data and contribute to conferences and technical reports.

Qualifications:

Essential:

The candidate must be a recent graduate in the fields of Physics, electrical engineering, science or related fields.

Knowledge of one or more of the following areas is a pre-requisite:

	<ul style="list-style-type: none"> • Knowledge in photovoltaic and solar cells • Excel, Origin or related software. • Good knowledge of spoken and written English (B2 level). <p><u>For general eligibility requirements, please read the rules governing the traineeship scheme of the JRC:</u></p> <p>https://ec.europa.eu/jrc/en/working-with-us/jobs/temporary-positions/jrc-trainees</p>
Institute/Directorate Unit	Directorate C - Energy, Transport and Climate (C02) Energy Efficiency and Renewables Unit PV-REF Further information: http://re.jrc.ec.europa.eu/esti
Indicative duration	5 months
Preferred starting date	As soon as possible
JRC Site	Ispra
Country	Italy
<u>JRC contact details</u>	For any technical problems with your application, please contact: JRC-ESRA@ec.europa.eu