



2017-IPR-C-000-8184

**Characterization of C-Si bifacial PV
modules**

<p>Position for:</p> <p>Trainee</p>	<p><u>Short description of activity:</u></p> <p>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.</p> <p>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</p> <p>The JRC's European Solar Test Installation (ESTI) is a European reference lab for performance measurement of innovative photovoltaic technologies.</p> <p>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.</p> <p>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.</p> <p><u>Qualifications:</u></p> <p><u>Essential:</u></p> <p>The candidate must be a recent graduate in the fields of Physics, electrical engineering, science or related fields.</p> <p>Knowledge of one or more of the following areas is a pre-requisite:</p>
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	<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