



2017-IPR-C-000-8171

**Design and perform of outdoor I-V  
measurements in standard and c-Si  
bifacial PV modules**

**Position for:**

Trainee

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>

**Short description of activity:**

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 development and set-up of the energy rating system of the ESTI lab in order to analyse the daily and annual behaviour of PV modules in real conditions. The work is focused on the design, development and performs of the set-up and experiments for the characterization of standard and c-Si bifacial PV modules.

The objective of the proposed training is to support in the development of the set-up for the energy rating measurement for bifacial PV modules and analysing the data obtained, contribute to technical reports and scientific publications.

**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:

- Knowledge in photovoltaic and solar cells
- Excel, Origin or related software
- Good knowledge of spoken and written English (B2 level).

	<p><b><u>For general eligibility requirements, please read the rules governing the traineeship scheme of the JRC:</u></b></p> <p><a href="https://ec.europa.eu/jrc/en/working-with-us/jobs/temporary-positions/jrc-trainees">https://ec.europa.eu/jrc/en/working-with-us/jobs/temporary-positions/jrc-trainees</a></p>
<b>Institute/Directorate Unit</b>	<p>Directorate C - Energy, Transport and Climate (C02) Energy Efficiency and Renewables Unit</p> <p>Further information:  <a href="http://re.jrc.ec.europa.eu/esti">http://re.jrc.ec.europa.eu/esti</a></p>
<b>Indicative duration</b>	5 months
<b>Preferred starting date</b>	As soon as possible
<b>JRC Site</b>	Ispra
<b>Country</b>	Italy
<b><u>JRC contact details</u></b>	<p><b>For any technical problems with your application, please contact:</b>  <a href="mailto:JRC-ESRA@ec.europa.eu">JRC-ESRA@ec.europa.eu</a></p>