



2019-IPR-C-000-013389

**Characterisation of advanced photovoltaic cells and modules**

<p><b>Position for:</b></p> <p>Trainee</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: <a href="http://www.jrc.ec.europa.eu">http://www.jrc.ec.europa.eu</a></p> <p><b><u>Short description of activity:</u></b></p> <p>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 characterisation of novel devices (e.g. bifacial, OPV) employing ESTI's range of solar simulators and outdoor measurement stations (current-voltage curves, spectral response, performance under varying irradiances and temperatures etc.). Specific modifications to the systems hardware or software are to be performed as needed. Analysis of measured data and contributions to technical reports and scientific publications are also expected.</p> <p><b><u>Qualifications:</u></b></p> <p><b><u>Essential:</u></b></p> <p>The candidate must be a recent graduate in the fields of Physics, electrical engineering, science or related fields.</p> <p>Good knowledge of spoken and written English (minimum B2 level) is essential.</p> <p><b><u>Advantageous:</u></b></p> <p>Knowledge of one or more of the following areas is advantageous:</p> <ul style="list-style-type: none"><li>• Knowledge in photovoltaics devices or systems</li><li>• Practical experience of making laboratory measurements</li><li>• Experience of data analysis and modelling</li><li>• Excel, Matlab, Labview or related software.</li></ul> <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>
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<b>Directorate/ Unit</b>	Directorate C - Energy, Transport and Climate (C02) Energy Efficiency and Renewables Unit  Further information: <a href="http://re.jrc.ec.europa.eu/esti">http://re.jrc.ec.europa.eu/esti</a>
<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>	<b>For any technical problems with your application, please contact:</b> <a href="mailto:HR-AMC8-RECRUITMENT-TOOLS-SUPPORT@ec.europa.eu">HR-AMC8-RECRUITMENT-TOOLS-SUPPORT@ec.europa.eu</a>