



2021-IPR-C-000-017548

**Improvement of spectral responsivity
measurement of solar cells and modules**

<p>Position for:</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: https://www.ec.europa.eu/jrc/en</p> <p><u>Short description of activity:</u></p> <p>The JRC's European Solar Test Installation (ESTI) is a European reference laboratory for performance measurement and calibration of photovoltaic cells and modules. The work for this project is focused on the improvement of spectral responsivity characterisation of photovoltaic devices employing ESTI's dedicated measurement stations for determination of spectral responsivity for photovoltaic modules and cells. Specific modifications to the systems hardware or software are to be performed as needed. Measurement and analysis of data as well as contributions to technical reports and scientific publications are expected.</p> <p><u>Qualifications:</u></p> <p><u>Essential:</u></p> <ul style="list-style-type: none">• The candidate must be a recent graduate in the fields of physics, electrical engineering, science or related fields.• Good knowledge of spoken and written English (minimum B2 level) is essential.
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	<p><u>Advantageous:</u> Knowledge of one or more of the following areas is advantageous:</p> <ul style="list-style-type: none"> • Knowledge in photovoltaics devices or systems • Practical experience of making laboratory measurements • Experience of data analysis and modelling • Excel, Matlab, Labview or related software. <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>
Directorate / Unit	Directorate C - Energy, Transport and Climate (C02) Energy Efficiency and Renewables Unit 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>	<p>For any technical problems with your application, please contact: HR-AMC8-RECRUITMENT-TOOLS-SUPPORT@ec.europa.eu</p>