



EUROPEAN COMMISSION  
DIRECTORATE-GENERAL  
JOINT RESEARCH CENTRE  
Directorate B - Resources  
Recruitment and Training

2016-IPR-F-000-7203

**Electrical performance measurement of advanced photovoltaic solar energy devices**

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| <p><b>Position for:</b></p> <p>Trainee</p> | <p><b><u>Short description of activity:</u></b></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>With 7 Scientific Institutes, 3 Corporate Directorates and the DG/DDG Office, 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>The JRC's European Solar Test Installation (ESTI) is a European reference lab for performance measurement of innovative photovoltaic technologies. The project involves investigations to improve power and energy yield measurement techniques with ESTI's unique large area solar simulators. The project will involve consideration of characterisation of uniformity of solar simulator irradiance and spectral content, analysis of results and recommendations on best practices.</p> <p><b><u>Qualifications:</u></b><br/><u>Essential.</u></p> <p>The candidate should:</p> <ul style="list-style-type: none"><li>✓ be a recent graduate or an undergraduate (please verify also general eligibility requirements) in the last 1-2 years of university education in the fields of science or engineering;</li><li>✓ have a good knowledge of English (level B2).</li></ul> <p>For undergraduates, please note that person should be studying at the university and preparing thesis.</p> <p><u>Advantage.</u></p> <ul style="list-style-type: none"><li>✓ good knowledge of one or more of the following areas is a pre-requisite: principles of photovoltaic solar energy,</li></ul> |
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|                                   | <p>precision electrical measurements, programming skills and statistics.</p> <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>Institute for Energy and Transport<br/>Renewable Energy Unit<br/>579 PVREF</p> <p>Further information: JRC Science Hub<br/><a href="https://ec.europa.eu/jrc/en/research-facility/european-solar-test-installation">https://ec.europa.eu/jrc/en/research-facility/european-solar-test-installation</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><br/><a href="mailto:JRC-ESRA@ec.europa.eu">JRC-ESRA@ec.europa.eu</a></p>  |