



2022-IPR-C2-FGIV-019931

**FGIV - Project Officer – Scientific researcher in
photovoltaic measurement methods**

POSITION FOR:

Member of the contract staff FGIV – art. 3b of the Conditions of Employment of Other Servants

<http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=CONSLEG:1962R0031:20110101:EN:PDF>

WE ARE:

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: <https://ec.europa.eu/jrc/>

The current vacancy is in the *Directorate for Energy, Transport and Climate / Unit Energy Efficiency and Renewables*. The unit's mission is to support the deployment of renewable energy technologies and energy efficiency measures. It provides scientific and technical support to renewable energy, energy efficiency policies and the Covenant of Mayors initiative.

Further information is available on the EU ScienceHub site: <https://ec.europa.eu/jrc/en>

WE PROPOSE:

A position as scientific researcher in photovoltaic measurement methods. The successful candidate will be conducting research activities and providing scientific and technical support to the development of experimental and analytical techniques for the characterisation and estimation of the lifetime energy generation of photovoltaic products in particular new innovative technologies such as tandem PV modules and multi-junction devices.

The successful candidate will be also encouraged to publish the results of her/his research activities in scientific journals.

Main tasks will include:

- Measure and characterise new and innovative Photovoltaic devices concentrating on power and energy yield of the devices;
- Develop new measurement and characterisation techniques for the development of improved international standards;
- Data analysis and methodology development for estimating life time energy generation of photovoltaic devices;
- Contribute to scientific output through peer-reviewed scientific publications.
- Contribute to the policy support of photovoltaics in relation to ECO Design and Energy Label regulations.

WE LOOK FOR:

The ideal candidate should be a person with experience and strong interest in photovoltaic solar energy, in particular tandem and multi-junction devices, with good analytical and quantitative skills, a motivated, flexible and reliable colleague who is able to develop new concepts and new methodologies over a number of varied and complex tasks.

The ideal candidate should have a degree in a relevant subject (Physics, Material Science or Electronic/Electrical Engineering) together with a minimum of 3 years of relevant experience, or a Ph.D.

It would be an advantage of candidate to have proven work experience and knowledge of:

- Proven work experience and knowledge on photovoltaic energy.
- Practical laboratory experience with measurement and characterisation instrumentation.
- Ability to programme laboratory instrumentation and/or develop data analysis tools is an advantage.
- A high level of spoken and written English (B2) is essential.

Good drafting skills, supported by proven track record of published reports and peer reviewed scientific publications are an asset.

S/he should be a team player, able to carry out activities in a multi-disciplinary team, in close cooperation with other team members and have good communication skills with experts and non-experts.

INDICATIVE CONTRACT'S DURATION:

36 months initial contract with possible renewals up to maximum 6 years.

PLACE OF WORK:

Ispra (IT)

ELIGIBILITY CRITERIA:

Candidates for this contract agent post shall:

– (i) have passed a valid EPSO CAST selection procedure;

or

– (ii) be registered in the EPSO Permanent CAST https://epso.europa.eu/documents/2240_en

or

- (iii) be registered in the specialised call for researchers <https://ec.europa.eu/jrc/en/working-with-us/jobs/vacancies/function-group-iv-researchers> (used mainly by the JRC).

With a valid application number to one of the above, you may then apply for this specific vacancy at JRC through: <http://recruitment.jrc.ec.europa.eu/?type=AX>.

RECRUITMENT POLICY:

The JRC

- Cultivates a workplace based on respect for other people and the environment.
- Embraces non-discriminatory practices and equality of opportunity. In case of equal merit, preference will be given to the gender in minority.