



EUROPEAN COMMISSION

JOINT RESEARCH CENTRE

2021-PTT-C3-FGIV-017890

**FG IV – Scientific / Technical Project Officer
– Researcher Smart Grid Interoperability Lab**

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 ‘Energy Security, Distribution and Markets’ Unit of Directorate C Energy, Transport & Climate. Our mission is to providing scientific and technical support to energy security, energy digitalisation and market redesign initiatives in the context of the Energy Union actions and the Clean Energy Package provisions. Our staff (about 50) is mainly based in Petten (NL). A bus service connects our offices to the cities of Alkmaar and Amsterdam on a daily basis. Children of employees can attend the [European School in Bergen](#). More information about the benefits of working for the European Commission can be found here: https://epso.europa.eu/help/faq/contract-agents_en

WE PROPOSE:

The Smart Grid Interoperability Lab (SGILAB - Petten, NL) is a testing facility on the interoperability of smart grid systems. Its aim is to test smart grid components following experimental procedures, simulations and emulations and utilising accepted standards. The assessment of interoperability is done with reference to use cases and quantitative assumptions stipulated by industry and standardization bodies. This position offers a number of varied and interesting tasks in a friendly, multi-disciplinary and well-integrated team to a motivated, flexible and reliable colleague. This is a dynamic and very interesting position, providing plenty of room for initiative and responsibility.

Among other activities, the Unit conducts studies related to the interoperability aspects of smart grid systems. The Smart Grid Interoperability Laboratory (SGILAB) in Petten works on the different layers of the smart grid architecture, from protocols and communications, to devices and subsystems. Among many others, it is equipped with real time simulators, energy storage systems and a large ICT infrastructure that will enable the emulation of complex communication scenarios. Working in the SGILAB, the main activity of the jobholder will include the investigation of the role of interoperability in the digitalisation of energy, the study of the impact of standards and other regulatory norms on interoperability, and the preparation and running of interoperability tests.

The selected candidate will be involved in the development of information systems and analysis of business processes affecting the interoperability of digital energy in smart home/energy community and local distribution systems, as well as, research and the application of interoperability testing methodologies. He/she is also encouraged to work in EU research projects.

WE LOOK FOR:

We are looking for a dynamic, creative, motivated, dedicated and proactive person with a strong sense of responsibility and commitment to deliver. The jobholder should be able to understand and produce Information and Communications Technology (ICT) and energy-related requirements associated with smart grid/smart home applications, as well as to analyse the interaction between devices, systems and stakeholders.

The jobholder should be able to work in a laboratory environment. He/she should have completed

relevant university studies of at least three years (attested by a diploma) and at least 3 years of professional experience/PhD in a field relevant to the position such as (but not limited to) electrical, computer, automation and/or power system engineering.

In addition, the following competences will be considered as an advantage:

- Experience with information technologies in the scientific area
- Programming and/or data processing
- Laboratory and/or field experience
- Good record of research activities relevant for the post such as publications in peer-reviewed journals
- Ability to work in a team and in a multi-cultural environment
- Creativity and independent work
- Good communication with experts and non-experts
- Proactive approach for resolving issues and finding solutions in a complex environment

Very good command of English is essential:

- Listening, Reading, Writing C1 level
- Spoken interaction/production B2 level

INDICATIVE CONTRACT'S DURATION:

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

PLACE OF WORK:

Petten (NL)

RULES AND ELIGIBILITY:

To be eligible for the position, the candidate must be on a valid EPSO reserve list for Function Group IV contract staff.

You can be added to an EPSO reserve list if you complete successfully an EPSO selection procedure.

Candidates who are on a valid EPSO reserve list or have applied to an EPSO selection procedure can apply to this specific position through <http://recruitment.jrc.ec.europa.eu/?type=AX>.

You can take the EPSO test after applying to this position.

Information about the selection procedure and indicative salaries can be found at:

https://epso.europa.eu/help/faq/contract-agents_en

How to apply to an EPSO selection procedure?

Apply either to the permanent EPSO call (CAST Permanent) https://epso.europa.eu/documents/2240_en or a specialised call for researchers <https://ec.europa.eu/jrc/en/working-with-us/jobs/vacancies/function-group-IV-researchers>

The CAST Permanent reserve list is used by a wide range of organisations (institutions, bodies, offices and agencies of the European Union), whereas the specialised reserve list for researchers (JRC Call COM/1/2015/GFIV – Research) is mainly used by the JRC.

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.