



EUROPEAN COMMISSION

JOINT RESEARCH CENTRE

2022-PTT-C3-FGIII-020588

**FG III - Smart Electricity Grid Interoperability
Laboratory Technician**

POSITION FOR:

Member of the contract staff FG III – 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 (JRC) 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 C3 Energy Security, Distribution and Markets Unit of Directorate C - Energy, Transport & Climate of the JRC. The Unit comprises of about 50 staff members based in the JRC Petten (NL), Ispra (IT) and Seville (ES) sites.

The Energy Security, Distribution and Markets Unit informs and supports the energy policy -making processes, particularly in the electricity and gas fields. Our Unit's activities are framed in the context of the EU's climate-neutrality policies, particularly the Green Deal and Digitalisation initiatives. Such policies call for a profound rethinking and transformation of our energy systems and markets, subjected to growing decarbonisation, decentralisation, electrification and digitalisation forces and trends.

More information on our Unit's power-related activities is accessible here: <https://ses.jrc.ec.europa.eu/>.

WE PROPOSE:

Our Unit conducts tests in its Smart Grid Interoperability Lab (based in Petten and Ispra) relating to the interoperability among digital energy actors, components and applications exchanging data and information in the smart grid ecosystem. The assessment is carried out with reference to use cases and quantitative assumptions stipulated by industry and standardisation bodies.

In this context, our Unit is looking for a new colleague to act as Laboratory Technician in the Petten site, proficient in: 1) ICT systems and 2) electrical installations. The Laboratory Technician is tasked to:

- Set-up, operate and maintain the laboratory equipment required for carrying out interoperability testing experiments, ensuring compliance with safety and quality standards.
- Participate in the design and execution of experimental activities in the framework of R&D activities.
- Apply interoperability testing methodologies, collaborating with their development.
- Contribute to the further development of the in-house energy management system.

This position offers varied tasks and access to advanced simulation tools and cutting-edge research infrastructure, in a friendly and multi-disciplinary team. It also offers opportunities for continuous professional development, training and participation in scientific and policy-relevant conferences/fora.

WE LOOK FOR:

In order to be successful in this role you should:

- Have experience/interest in working in a laboratory environment and study the interactions among energy devices, systems and stakeholders.
- Have experience with information technologies, programming and/or data processing.
- Knowledge of laboratory quality, safety and environmental systems.
- Have general IT knowledge.
- Be able to work in a team and in a multi-cultural environment.
- Be able to communicate and interact with different stakeholders.
- Have a secondary education in the field of electrical or physical engineering or another related relevant discipline.
- Have an English level at least equivalent to B2.

In order to excel amongst the candidates you should:

- Have experience in testing and operating electric hardware and software configurations, including micro grids, electric sources and loads, energy storage systems and real-time simulators.
- Have a good working knowhow of the principles and practical aspects of electricity systems with focus on distribution and home installations.
- Have a good working knowhow of ICT networks (LAN/WAN protocols and services; DHCP, DNS, HTTP, HTTPS, SNMP, Active Directory).
- Have a good working knowhow of Internet technologies (including Internet of Things), network security, and VPN solutions.
- Be able to support ICT and electricity systems planning, design, testing and project development, including both hardware and software.

INDICATIVE CONTRACT'S DURATION:

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

PLACE OF WORK:

Petten (NL)

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

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 Joint Research Centre

- 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.