



2021-IPR-GII7-FGIV-018848

FG IV - Project Officer - Nuclear Safeguards expert

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 (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 Nuclear Security Unit of the Directorate for Nuclear Safety and Security provides enabling research, technology and instruments for nuclear safeguards and security to inspection agencies, States and operators. Activities range from nuclear non-destructive analysis and process monitoring to containment & surveillance, verification and detection technologies.

Nuclear safeguards are facing new challenges related to the increasing amounts of materials and new facilities to be safeguarded requiring increased efficiency, but also to the next generation of nuclear systems under development. New systems, new fuel cycles, new challenges: a global approach to nuclear safeguards and more globally to non-proliferation calls for new, integrated expertise. The Nuclear Security unit provides support to Euratom and IAEA inspectorates, and through the European support programme to the IAEA against new proliferation threats.

Further information is available at: <https://ec.europa.eu/jrc/en/research-topic/nuclear-safeguards>

WE PROPOSE:

The present position is for a Safeguards expert with a complete overview on the safeguards processes and experience in international nuclear safeguards and nuclear proliferation resistance. S/he will work with the teams contributing to the development of new safeguards concepts and methods, nuclear proliferation resistance analyses of innovative nuclear technologies, development of innovative nuclear material accounting, as well as containment and surveillance systems in current and future nuclear facilities. With a broader view on proliferation resistance, the expert will identify and analyse synergies between safety, security and safeguards needs, in existing as well as in novel nuclear systems. S/he will work in close cooperation with Euratom and IAEA inspectorates and with all the teams of the unit.

WE LOOK FOR:

Essential:

- PhD or a minimum 5 years of relevant research experience after the first degree giving access to doctoral studies in a technical discipline as nuclear engineering, nuclear physics or radiochemistry (or equivalent)
- At least 3-year experience in the field of nuclear safeguards and non-proliferation, with a good understanding of the nuclear fuel cycle technologies and nuclear process monitoring.

Advantages:

- At least 1-year experience in the field of system analysis, systems thinking applied to complex engineering systems, probabilistic risk assessment.
- Having followed the ESARDA course and obtained credits.
- Knowledge about the State-Level approach
- In depth view on safeguards by design concept.
- Experience with Safety and Security

- Good knowledge of French or Italian.

We look for an enthusiastic, motivated and passionate colleague, with a strong problem-solving attitude, proven communication skills, flexible, the ability to work in a team, the capacity to take initiatives and to work autonomously. A good command of English (B2), both oral and written is required.

INDICATIVE CONTRACT'S DURATION:

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

PLACE OF WORK:

Ispira (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 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.