



2020-IPR-GII7-FGIV-013970

FG IV - Scientific Project Officer - Process Monitoring, Containment and Surveillance Engineer

<p>Position for:</p> <p>FGIV –Scientific Project Officer</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>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/</p> <p>The current vacancy is in the Directorate for Nuclear Safety and Security, Department of Nuclear Security and Safeguards, Nuclear Security unit, located in Ispra, Italy.</p> <p>The job we propose is in a team of 55 scientists and experts who provide support mainly to Euratom (and IAEA) Inspectorate for the implementation of nuclear safeguards in the European members states. The unit operates nuclear laboratories as well as non-nuclear laboratories, all on the Ispra site. Some research activities are desktop research to combat nuclear proliferation and to control strategic trade flows. In order to rapidly transform R&D results into sub-systems that can be further integrated in ready to use devices and equipment, an Engineering pole has been created in the unit. This pole is relying on the R&D teams that provide input for the optimisation of prototypes and the production of small series.</p> <p>The jobholder will contribute to the activities of the Engineering pole of the unit, providing expertise in process monitoring, signal analysis, automation and data processing for the ongoing activities in the unit and mainly in support of the EURATOM and IAEA inspectorates. In particular, the jobholder will propose, design, realise and follow up the development of electronic/hardware parts of control, inspection and monitoring systems or experiments, in close cooperation with all the teams in the unit. S/he will also design, fabricate, follow up and test nuclear seals and security systems based on ultrasonic techniques, and process monitoring. The jobholder is going to contribute to the coordination and guidance of the team in the advanced safeguards laboratory for the continuous improvement of seals and process monitoring. Additionally, s/he will contribute to the dissemination of the results of the team.</p> <p>Qualifications:</p> <p>The selected candidate must have the following essential qualifications:</p> <ul style="list-style-type: none">• Master degree in Engineering (Electronics, Informatics, Automation, Telecommunications, Computer Science) or equivalent;
--	--

	<ul style="list-style-type: none"> • Experience (at least 2 years) in embedded systems programming (one or more of the following: Microcontrollers, FPGA, ARM processors); • Experience (at least 2 years) in sensor networks and secure data transmission; • Experience (at least 2 years) in programming in C/C++/C# and in the use of code versioning tools (SVN/GIT); • Experience (at least 1 year) with state of the art monitoring of complex industrial processes, or equivalent. <p>At least 1 year experience in each of the following fields will be considered as an advantage:</p> <ul style="list-style-type: none"> • Industrial automation (servomotors, computer vision, SCADA, sensor data fusion); • Real Time Positioning systems ; • RFID systems; • Process monitoring, including e.g. liquid or gas flow monitoring, weight monitoring, valves control. <p>We look for an enthusiastic, motivated and passionate engineer (or equivalent), with a strong problem solving attitude, proven communication skills, the ability to work in a team, the capacity to take initiatives and to work autonomously.</p> <p>A good command of English (B2), both oral and written is required.</p>
Directorate Unit	<p>Nuclear Safety and Security Nuclear Security</p> <p>Further information: https://ec.europa.eu/jrc/en/research-topic/nuclear-safeguards</p>
Indicative duration	<p>36 months initial contract with possible renewals up to maximum 6 years</p>
JRC Site Country	<p>Ispra</p> <p>Italy</p>
Rules and eligibility	<p>The candidate must be on a valid EPSO reserve list for Function Group IV contract staff.</p> <p>If you are not in any valid EPSO reserve list for Function Group IV contract staff, you can still apply by following these steps.</p> <p>You express your interest by applying to the CAST Permanent or to the permanent JRC Call for researchers.</p> <p>1. CAST Permanent: open-ended selection procedure to create a pool of candidates from which the institutions, bodies, offices and agencies of the European Union (EU) can recruit contract agents. https://epso.europa.eu/documents/2240_en</p> <p>2. JRC Call COM/1/2015/GFIV – Research: open-ended</p>

selection procedure to create a pool of candidates from which mainly the JRC can recruit contract agents FGIV as researchers. Details available at the link below:

<https://ec.europa.eu/jrc/en/working-with-us/jobs/vacancies/function-group-IV-researchers>

Only then you can apply for this specific position, through <http://recruitment.jrc.ec.europa.eu/?type=AX>

Auxiliary contract staff:

<https://ec.europa.eu/jrc/en/working-with-us/jobs/temporary-positions/contract-staff-members>

Article 3b of the Conditions of Employment of Other Servants of the European Union applies: the actual period of employment within the Commission under this type of contract, including any period under renewal, shall not exceed 6 years.

Please note that in case a high number of applications is received only shortlisted candidates will be contacted.