



2022-IPR-E2-FGIV-020549

FG IV - Project Officer – Secure Satellite Communications Systems**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 current vacancy is in Technology Innovation in Security Unit of Space, Security and Migration Directorate of the JRC.

The Unit provides highly relevant scientific and policy support to the European Commission services in charge of the management of the EU Space Programme and Digital Decade. It has excellent simulation and laboratory facilities for theoretical and experimental R&D related to Galileo, wireless communications, radio spectrum and 5G networks.

WE PROPOSE:

The successful candidate will join a team providing scientific/technical support to the European Commission Services in charge of the management of the EU Space Programme, which integrates the components Galileo, EGNOS, Copernicus, GovSatCom and SSA.

The scientist/engineer will produce high-quality technical/scientific analysis in a challenging, fast-evolving policy context. He/she will be an experienced engineer with a strong background in the field of satellite communications, e.g. signal analysis, software-defined architecture, satcom user terminals, multiple access protocols, signal encryption, laboratory testing and certification of terminals. The scope of the work will cover the following areas: analysis of secure space-based communications systems, governmental networks, security analysis, user terminal interoperability assessment, laboratory testing, and integration with terrestrial mobile networks.

Working within a team of scientists and engineers to support EU policy making cycle of the European Commission and of the EU Space Programme Agency, the candidate will carry out technical studies based on modelling, simulation and laboratory-based tests. He/she will participate in the preparation and follow-up of R&D actions related to the EU Space Programme through technical/scientific evaluation, as well as testing and demonstration campaigns of research prototypes in the JRC Laboratories.

WE LOOK FOR:

Required:

- Minimum of 5 years of full-time research/relevant professional experience after the first University degree giving access to doctoral (PhD) studies, or a PhD degree, in the field of aerospace, electrical engineering, or equivalent;
- Expert knowledge in satellite communications engineering; vulnerability assessment of satcom systems;
- Experience with design, performance assessment and/or testing of satcom user terminals;
- Ability to produce professional technical reports and journal/conference papers
- To hold, have held or be able to obtain a security clearance at the level of EU SECRET;
- Software development experience with MATLAB/C/C++ programming
- A very good knowledge of written and spoken English (C1).

Asset:

- Good knowledge of the EU Space Programme;
- Proficiency in the analysis of space missions and satellite systems;
- Practical experience in laboratory-based tests and measurements;
- Experience in handling classified material;
- A good record of relevant publications in reputed journals;
- Dynamic, motivated, adaptable to the JRC's specific role in EU policy support;
- Ability to work in a team and take responsibility;
- Disseminate results in policy-level forums.

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 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.