EUROPEAN COMMISSION

JOINT RESEARCH CENTRE

2022-IPR-E2-FGIV-020269 **FG IV – Project Officer - GNSS**

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 the Technology Innovation in Security Unit of the JRC**.** The Technology Innovation in Security Unit aims to increase European competitiveness and resilience by research in technologies, standardization and harmonisation to enhance the protection of European networked infrastructures and to prevent hazards in industrial installations.

WE PROPOSE:
The successful candidate should join a team providing scientific/technical support to the European Commission Services in charge of the management of the EU satellite navigation Programmes Galileo/EGNOS and to the European Agency for the Space Programme (EUSPA).

The scientist/engineer should be able to produce high-quality technical/scientific work in a flexible, fast-evolving environment. The tasks will cover the following areas: GNSS timing, GNSS/INS integration, high-accuracy and Precise-Point-Positioning, GNSS receiver design and performance, GNSS user equipment laboratory and field testing.

Working within a team of other scientists to support EU policy making cycle of the European Commission and of the EU Agency for the Space Programme, the candidate will have to carry out technical studies based on modelling, simulation and laboratory-based tests. He/she will support the preparation and follow-up of R&D actions related to the EU GNSS Programmes including test and demonstration campaigns in the JRC Laboratories.

JRC has excellent simulation and laboratory facility for theoretical and practical R&D in this area, including a large anechoic chamber, GNSS signal generators, a wide range of GNSS hardware and software receivers, a satellite tracking station and a vehicular/pedestrian reference navigation platform.

WE LOOK FOR:
Essential Qualifications
- PhD degree - or a minimum of 5 years of full-time research/relevant professional experience after the first University degree giving access to doctoral (PhD) studies, in the field of radio-navigation
- Expert knowledge of one or more topics in the GNSS field such as GNSS timing, GNSS/INS Integration, GNSS high-accuracy, Precise Point Positioning, GNSS receiver design and performance, GNSS user equipment laboratory and field testing
- Software development experience with MATLAB/C/C++ programming
- Fluent in oral and written English (B2), ability to produce professional research reports

Assets
- Experience and/or knowledge about Galileo services, and in particular High Accuracy service, Open Service, Search and Rescue
- Practical experience in laboratory-based tests and measurements
- A good record of relevant publications in reputed journals

(desirable) Dynamic, motivated, adaptable to the JRC's specific role in EU policy support
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.