



EUROPEAN COMMISSION

JOINT RESEARCH CENTRE

2022-IPR-E3-FGIV-019688

FG IV - Project Officer - Scientific Research - Digital Forensics Researcher

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 Cyber and Digital Citizen Security Unit of the Space Security and Migration Directorate, located in Ispra, Italy. The mission of the Unit is to strengthen trust and security of the European Citizen in a sustainable and inclusive ICT-based European society by scientific research on how emerging Information and Communication Technologies will impact the security and privacy of citizens' daily life. The unit works on risk mitigation, cyber security, cybercrime, data protection, privacy and on the associated legal and regulatory frameworks.

WE PROPOSE:

A Contractual Agent position FG IV in Ispra, Italy. The successful candidate will contribute to the research activities of the Cyber and Digital Citizen Security Unit aiming at strengthening the citizen' security and privacy by exploring innovative forensic technologies to support the fight against organised crimes.

He/she will conduct scientific and technical assignments in the project FORECAST (Forensic Research on Cyber, Automotive and Smart home Technologies), under the portfolio DFILE (Digital Forensic Investigation Techniques for Law Enforcement). The position will be focused on vehicle digital forensics, smart home digital forensics and the development of innovative techniques to fight cybercrime.

The successful candidate will carry out of the following tasks:

- Study innovative digital forensic techniques for smart vehicles and smart home environments.
- Design and development of proof-of-concepts and prototypes of forensic tools for Law Enforcement Agencies.
- Development and maintenance of the digital vehicle forensic laboratory infrastructure.
- Preparation of scientific papers and technical reports.

WE LOOK FOR:

The successful candidate shall have a PhD degree - or a minimum of 5 years of full-time work experience after the first University degree giving access to doctoral (PhD) studies in the field of: Information and Communication Technologies, Computer Science, Engineering or equivalent.

The following qualifications also are required:

- Research experience in digital forensic techniques.
- Experience in cybersecurity research on embedded systems, including debugging and reverse engineering.
- Programming skills in the Python and C programming languages for scientific application.
- Ability to work in a multi-national team.
- Good level (B2) of spoken and written English.
- Relevant publications in peer-reviewed conferences and journals.

The following qualifications are an asset:

- Experience with smart and connected vehicles
- Programming skills in assembly (intel, arm, mips).
- Experience developing web applications.
- Practical knowledge in network design and management
- Experience in GNU/Linux and network administration (including firewalls and switches).
- Experience in the application of machine learning techniques in digital forensics.

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.