



2022-IPR-E3-FGIV-022168

FG IV - Cybersecurity researcher

POSITION FOR:

Member of the contract staff FGIV – art. 3b of the [Conditions of Employment of Other Servants](#)

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 on the [JRC website](#).

The current vacancy is with the Cyber and Digital Citizens' 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 activities of the Cyber and Digital Citizen Security Unit to support the implementation of the European Cybersecurity Strategy and to strengthen European cybersecurity foresight capabilities.

He/she will conduct scientific studies and experimental activities in the area of cybersecurity, privacy and digital identities.

The research will be focussed on new emerging technologies, smart and mobile digital environments and distributed digital services.

The successful candidate will carry out of the following tasks:

- Design and develop research projects, experimental campaigns and studies in the above-mentioned research domains
- Analyse new emerging technologies to identify cybersecurity weaknesses and standardisation needs
- Conduct state-of-the-art and foresight analysis to provide anticipatory advice to policy makers
- Develop cybersecurity risk assessment processes, and conduct cybersecurity risk assessment analysis of critical infrastructures
- Contribute to the evolution of the Unit research laboratories
- Prepare 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 research/working experience after the first University degree giving access to doctoral (PhD) studies in the field of Information and Communication Technologies, Computer Science, Software/network Engineering or equivalent.

Essential Skills and requirements:

- Ability to work in a multilingual and multicultural environment
- English language, at least C1 level both oral and written
- Ability to learn new technologies and skills rapidly
- Capacity to design and develop scientific projects in autonomy
- Cybersecurity skills

- Knowledge of network protocols
- Relevant publications in peer-reviewed conferences and journals.

The following knowledge or experience are an asset:

- Knowledge of cryptographic protocols and PKI
- Familiarity with IoT and Mobile device ecosystems
- Software engineering skills
- Knowledge of mobile payment technologies
- Knowledge of blockchain technologies
- Knowledge of digital identity and authentication paradigms

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](#)

or

– (iii) be registered [in the Specialised Call for 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 its [vacancy page](#).

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.