



## VACANCY NOTICE – 2023-IPR-T2-FGIV-022510

### Project Officer - Digital Forensics Researcher

<b>Type of contract</b>	Member of the European Commission's contract staff, Function Group IV (article 3b of the <a href="#">Conditions of Employment of Other Servants</a> )
<b>Duration of contract</b>	36 months (renewable up to maximum 6 years)
<b>Area</b>	<i>Digital Forensics for internal security</i>
<b>Place of employment</b>	Ispra (IT)
<b>Indicative basic salary</b>	3877,47 - 5616,29 € per month For more detailed information, please consult: <a href="#">Working Conditions</a> .

#### WE ARE

The [Joint Research Centre \(JRC\)](#) provides independent, evidence-based knowledge and science, supporting EU policies to positively impact society.

The current vacancy is with the Cybersecurity and Digital Technologies Unit of the Digital Transformation and Data Directorate, located in Ispra, Italy. The Unit works on risk mitigation, cybersecurity, cybercrime, digital forensics, and innovative digital technology solutions for security, privacy and safety, and on the associated legal and regulatory frameworks, to strengthen the trust of the European citizen in a secure and fair digital European society.

The successful candidate will contribute to the Digital Forensic Investigation Techniques for Law Enforcement project, which addresses all key elements (i.e., identification, localisation and crime characterisation functionalities) required to strengthen the efficiency of criminal investigations and prosecutions in the digital era.

The project provides support to several European Commission policy initiatives and the implementation of the European Security Union policy.

#### We offer:

- a job in a dynamic, multidisciplinary working environment, with online collaboration and occasional travel for conferences/workshops.
- a unique opportunity to work behind the scenes contributing to the fight against crime and terrorism at European level.
- family-friendly working conditions, located in a beautiful area of Italy with good international access.



## **WE PROPOSE**

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The jobholder will contribute to research activities focused on vehicle digital forensics, smart home digital forensics and the development of innovative techniques to fight cybercrime, carrying out the following tasks:

- Studying innovative digital forensic techniques for smart vehicles and smart home environments.
- Designing and developing proof-of-concepts and prototypes of forensic tools for Law Enforcement Agencies.
- Developing and maintaining the digital vehicle forensic laboratory infrastructure.
- Preparing scientific papers and technical reports.

## **WE LOOK FOR**

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We are looking for a Digital Forensics Researcher. 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.

## **HOW TO APPLY**

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If you are **already on a valid CAST FG IV reserve list**, or you **have already applied to one of the calls below**, you can directly submit your application at <http://recruitment.jrc.ec.europa.eu/?type=AX>.

If not, before applying to this position, **you must register** for one of the two following:

- the [Call for Expressions of Interest | EU Careers \(europa.eu\)](#) (CAST Permanent FG IV), which is used by a wide range of organisations (institutions, bodies, offices and agencies of the European Union), or
- the [specialised call for researchers](#) (JRC Call COM/1/2015/GFIV – Research), which is mainly used by the JRC.



Note that each of the calls above has **different minimum eligibility requirements and different selection tests.**

*The JRC cultivates a workplace based on respect for other people and the environment, and embraces non-discriminatory practices and equality of opportunity. In case of equal merit, preference will be given to the gender in minority.*