



## VACANCY NOTICE – 2023-IPR-T2-FGIV-024097

### FGIV - Project Officer – Scientific research - Applied AI 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>	Cybersecurity and Digital Forensic
<b>Place of employment</b>	Ispra (IT)
<b>Indicative basic salary</b>	3943,39 - 5711,77 € (applicable as of 1 <sup>st</sup> of January 2023) 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 carry out research in the field of Artificial Intelligence (AI), cybersecurity and digital forensic within the Cybersecurity, Robustness and Explainability in AI Technologies (CREATE) research project and the Digital Forensic Investigation Techniques for Law Enforcement (DFILE) research project.

We offer:

- a job in a dynamic, multidisciplinary working environment, with online collaboration and occasional travel for conferences/workshops;
- a unique opportunity to directly contribute to the strengthening of the security of the European cyberspace;
- family-friendly working conditions, located in a beautiful area of Italy with good international access;



## **WE PROPOSE**

---

The jobholder will conduct scientific studies and experimental activities in the area of cybersecurity, artificial intelligence, and innovative approaches for digital forensic techniques applied to multimedia in the fight against cyber-dependent crime.

The jobholder will contribute to the Unit's activities in the following domains:

- Design and develop research projects focused on AI risks in the area of cybersecurity and safety of Large Language Model;
- Research on the practical applications of Generative AI (foundation models) in the cybersecurity domain, particularly Large Language Models;
- Design and develop research activities related to A.I based multimedia forensic tools for Law Enforcement;
- Risk assessment and foresight analysis;
- Design and implement laboratory experimental activities for the evaluation of machine learning algorithms, including Large Language Models, for security and safety auditing and validation;
- Draft scientific papers, science for policy reports and technical reports.

## **WE LOOK FOR**

---

We are looking for an Information and Communication Technology researcher with cybersecurity and software analysis related experience.

The successful candidate shall have the following **essential requirements**:

- 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, Software/Network/IT Engineering, machine learning and deep learning techniques, image analytics, and computer vision or equivalent.
- Ability to work in a multilingual and multicultural environment;
- Good level (B2) of spoken and written English;
- Expertise in Artificial Intelligence, specifically in deep learning;
- Good theoretical and practical knowledge in large-scale models, including large language models;
- Solid knowledge and experience in programming with Python and deep learning frameworks;
- Relevant publications in peer-reviewed conferences and journals;

The following qualifications are considered as an **asset**:

- Experience in Multimedia Forensics and Analysis;
- Good experience in running large scale AI models in multi-GPU environments;
- Software engineering skills and DevOps tools;
- Knowledge and experience in the cybersecurity field.



## HOW TO APPLY

---

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 \(europa.eu\)](http://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.*