



EUROPEAN COMMISSION

JOINT RESEARCH CENTRE

2022-IPR-E3-FGIV-019808

**FG IV - Project Officer - Scientific Research –
Biometrics Face Recognition 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 Contract Agent position FG IV in our laboratories in Ispra, Italy. The successful candidate will contribute to the research activities of the Cyber and Digital Citizens' Security Unit by exploring innovative face recognition technologies. This is a unique opportunity to conduct scientific and technical studies related to biometrics supporting EU border security, the fight against organised crime, and cybersecurity. This work will enhance EU law enforcement investigation capabilities and support the EU Security Union Strategy.

The successful candidate will carry out the following tasks:

- Study and develop face recognition techniques implemented within the EU large-scale IT systems in the areas of freedom, security and justice, or used for forensic investigations.
- Design and develop proof-of-concepts and prototypes of face detection and recognition tools, quality metrics and comparison algorithms, and reliability and likelihood ratio methods.
- Contribute to and support the scientific organisation of workshops with community, industry and academic stakeholders.
- Produce related 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 or working experience after the first University degree giving access to doctoral (PhD) studies in the field of biometric and face recognition, machine learning and deep learning techniques, image analytics, and computer vision, or equivalent.

Essential Skills:

- 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 in a short period of time

Solid knowledge and experience are required in:

- Face recognition techniques
- Machine learning and deep learning techniques
- Relevant publications in peer-reviewed scientific conferences and journals

The following knowledge or experience are an asset:

- Solid experience in forensic biometrics applied to face recognition
- Solid experience with statistical data analysis
- Solid experience in pattern recognition, classification, transfer and reinforcement learning
- Experience in development of AI methods applied to biometric face recognition
- Solid knowledge of at least one of the following programming languages: C/C++/C#, Python, MATLAB

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.