



2018-IPR-E3-FGIV-010604

**FG IV - Project Officer - Applied Cybersecurity
Researcher**

<p>Position for:</p> <p>FG IV – Project Officer – Scientific Research</p>	<p>As the science and knowledge service of the Commission, the mission of DG Joint Research Centre is to support EU policies with independent evidence throughout the whole policy cycle.</p> <p>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/</p> <p>The current vacancy is with the Cyber and Digital Citizens' Security Unit of the Directorate for Space, Security and Migration, 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.</p> <p>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 strengthening the research activities falling in the IoT, Industry 4.0 and autonomous vehicle cyber-security and privacy domains.</p> <p>He/she will conduct scientific/technical studies, experimental campaigns and laboratory activities to develop solid research results to support the anticipation, design and implementation of European policies in the autonomous vehicle, IoT, Energy, and Critical Infrastructure Protection policy domains.</p> <p>The successful candidate will carry out the following tasks:</p> <ul style="list-style-type: none">• Vulnerability analysis of autonomous vehicle and industrial systems architectures;• Design and implementation of cybersecurity and privacy by design solutions in the frame of the relevant areas;• Drafting and implementation of technical specifications, security policies and security plans (ISO 27000);• Design and management of experimental testing campaigns (including data-gathering, modelling and analysis) on sectorial relevant communication protocol and cryptographic layers implementations;• Drafting of scientific papers and policy support reports. <p>Qualifications:</p> <p>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 Mathematics, Information and Communication Technologies, Computer Science, Engineering, or equivalent.</p>
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	<p>The following qualifications are also required:</p> <ul style="list-style-type: none"> • Solid knowledge ICT security, including network security, cryptography and public key infrastructures (PKI); • Strong experience in programming for data acquisition and analysis; • Good software development and prototyping skills; • Good knowledge of ICT in the automotive and industrial domains; • Ability to work in a multi-national team; • Good level of spoken and written English (B2). <p>The following qualifications are an asset:</p> <ul style="list-style-type: none"> • Knowledge of international and European standards in the domains of cybersecurity, automotive ICT; • Knowledge of Cooperative - Intelligent Transport Systems (C-ITS); • Knowledge of relevant sectorial communication protocols (e.g. Cambus, Modbus, profibus etc.); • Knowledge of Industrial Control Systems; • Penetration testing skills; • Relevant publications in peer-reviewed conferences and journals.
Directorate Unit	<p>Space, Security and Migration Cyber and Digital Citizens' Security</p> <p>Further information: https://ec.europa.eu/jrc/</p>
Indicative duration	36 months initial contract with possible renewals up to maximum 6 years
JRC Site Country	<p>Ispra</p> <p>Italy</p>
Rules and eligibility	<p>The candidate must be on any valid EPSO reserve list for Function Group IV contract staff.</p> <p>Applicants to the following Calls for expression of interest can also be considered:</p> <ol style="list-style-type: none"> 1. CAST Permanent - EPSO has launched in January 2017 an open-ended selection procedure to create a pool of candidates from which the institutions, bodies, offices and agencies of the European Union (EU) can recruit contract agents. Details available at the link below: https://epso.europa.eu/documents/2240_en 2. Call COM/1/2015/GFIV - Research - The JRC has launched in January 2015 a permanent call for researchers FG IV. Details available at the link below: https://ec.europa.eu/jrc/en/working-with-us/jobs/vacancies/function-group-IV-researchers <p>Auxiliary contract staff: https://ec.europa.eu/jrc/en/working-with-us/jobs/temporary-positions/contract-staff-members</p> <p>Article 3b of the Conditions of Employment of Other Servants of the European Union applies: the actual period of employment within the Commission under this type of contract, including any period under renewal, shall not</p>

exceed 6 years.

Please note that due to the high number of applications received only shortlisted candidates will be contacted.