EUROPEAN COMMISSION
DIRECTORATE-GENERAL HUMAN RESOURCES AND SECURITY
Directorate HR.AMC –Account management Centre
HR.DDG. AMC 8

2021-IPR-B-000-016828 Adoption and impact of Artificial Intelligence

Position for: Trainee	As the science and knowledge service of the Commission, the mission of Joint Research Centre 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/en The Digital Economy Unit of the JRC Directorate Growth and Innovation provides quantitative and qualitative techno-socio-economic research targeting the impacts of Digital Transformation on the economy and society. It aims to provide an independent assessment of key opportunities and challenges for Europe arising from new digital technologies and of the measures that could be taken to shape future outcomes to the benefit of European society. The Unit leads AI Watch, the European Commission knowledge service to monitor the development, uptake and impact of Artificial Intelligence (AI) for Europe, launched in December 2018. **Short description of activity:** The purpose of this traineeship is twofold: 1. To study the adoption and impact of AI in selected economic sectors (such as energy, manufacturing, etc.) and document the effects of adopting AI in terms of organisation of work, outputs, outcomes, opportunities and barriers. 2. To assist in an economic analysis of the robotics industry with particular focus on AI-enhanced robots.

	In both cases, the trainee will contribute to quantitative analyses and case studies to be conducted within the framework of AI Watch. The trainee will therefore contribute to JRC AI Watch reports to be published in 2021-2022, and is also encouraged to present his/her findings in scientific papers and at conferences or workshops. **Background:** AI has become an area of strategic importance with potential to be a key driver of economic development. AI also has a wide range of potential social implications. As part of its Digital Single Market Strategy, the European Commission put forward in April 2018 a European strategy on AI in its Communication "Artificial Intelligence for Europe" COM(2018)237. In December 2018, the European Commission and the Member States published a "Coordinated Plan on Artificial Intelligence", COM(2018)795, on the development of AI in the EU. The Coordinated Plan mentions the role of AI Watch to monitor its implementation. Subsequently, in February 2020, the Commission unveiled its vision for a digital transformation that works for everyone. The Commission presented a White Paper proposing a framework for trustworthy AI based on excellence and trust. AI Watch monitors European Union's industrial, technological and research capacity in AI; AI-related policy initiatives in the Member States; uptake and technical developments of AI; and AI impact. AI Watch has a European focus within the global landscape. In the context of AI Watch, the Commission works in coordination with Member States. AI Watch results and analyses are published on the AI Watch Portal (https://ec.europa.eu/knowledge4policy/ai-watch_en). From AI Watch in-depth analyses, we will be able to understand better European Union's areas of strength and areas where investment is needed. AI Watch provides an independent assessment of the impacts and benefits of AI on growth, jobs, education, and society.

	AI Watch is developed by the Joint Research Centre (JRC) of the European Commission in collaboration with the Directorate-General for Communications Networks, Content and Technology (DG CONNECT). **Qualifications:** **Essential:** The candidate shall have • a Masters/PhD degree, or be enrolled in a PhD degree or the final year of a Masters degree in Computer Science, Business Management, Economics, Engineering, or a related discipline; • good familiarity with AI or the advanced manufacturing sector (including robotics) and organisational change; and • good knowledge of spoken and written English (at least level B2). **For general eligibility requirements, please read the rules governing the traineeship scheme of the JRC:** https://ec.europa.eu/jrc/en/working-with-us/jobs/temporary-positions/jrc-trainees
Unit /Directorate	Directorate B Growth and Innovation Unit B.6 Digital Economy
Duration **Preferred starting date**	5 months Q2/2021
JRC Site **Country**	Ispra Italy
JRC contact details	**For any technical problems with your application, please contact:** HR-AMC8-RECRUITMENT-TOOLS-SUPPORT@ec.europa.eu