EUROPEAN COMMISSION
DIRECTORATE-GENERAL
JOINT RESEARCH CENTRE
Directorate R - Resources
Human Resources

2016-IPR-C-000-7784	**Assessing the impact of Autonomous Road Transport (ART)**

Position for:	**Short description of activity:**
Trainee	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. The JRC is located in 5 Member States (Belgium, Germany, Italy, the Netherlands and Spain). Further information is available at: http://www.jrc.ec.europa.eu The Sustainable Transport Unit of the Directorate, comprising more than 50 staff, provides scientific and technical support on clean and efficient fuels and vehicles for sustainable mobility. The JRC has recently launched an exploratory research project to analyse technical and societal issues connected to the introduction of autonomous road transport. The project is composed by two parts: in one part the political implications of introducing autonomous vehicles and of a higher degree of automation in the transportation system is analysed. In the second part, the needs in terms of models and algorithms to achieve an optimized transportation system are investigated. The proposed trainee project consists in focusing on the second part of the project, and in particular in collaborating with the existing team to create an integrated platform of traffic and emission modelling. Part of the duties might involve developing computer code in Python or other relevant language for software integration and drafting of the respective technical reports.

	Qualifications: **Essential:** The candidate must hold a university degree (as stipulated in the Rules governing the Traineeship Scheme) in the fields of science or engineering. The candidate must have good knowledge of spoken and written English. **Advantage:** Knowledge of one or more of the following will be an advantage: computer programming (python), automotive/traffic engineering, data analysis and statistics. **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
Directorate **Unit** **Action**	Directorate C-Energy, Transport and Climate Sustainable Transport Unit Further information: http://iet.jrc.ec.europa.eu/ And http://iet.jrc.ec.europa.eu/trainees
Indicative duration **Preferred starting date**	5 months As soon as possible
JRC Site **Country**	Ispra Italy
JRC contact details	**For any technical problems with your application, please contact:** JRC-ESRA@ec.europa.eu