



2016-IPR-F-000-7015

ART: Autonomous Road Transport

**Position for:**

Trainee

**Short description of activity:**

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 working 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 should:

- ✓ hold a university degree (as stipulated in the Rules governing the Traineeship Scheme) in the fields of science or engineering;
- ✓ have good knowledge of spoken and written English (level B2).

**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>

<b>Institute/Directorate Unit</b>	Institute for Energy and Transport Sustainable Transport Unit  Further information: <a href="http://iet.jrc.ec.europa.eu/">http://iet.jrc.ec.europa.eu/</a> And <a href="http://iet.jrc.ec.europa.eu/trainees">http://iet.jrc.ec.europa.eu/trainees</a>
<b>Indicative duration</b>	5 months
<b>Preferred starting date</b>	As soon as possible
<b>JRC Site</b>	Ispra
<b>Country</b>	Italy
<b><u>JRC contact details</u></b>	<b>For any technical problems with your application, please contact:</b> <a href="mailto:JRC-ESRA@ec.europa.eu">JRC-ESRA@ec.europa.eu</a>