



EUROPEAN COMMISSION  
DIRECTORATE-GENERAL  
JOINT RESEARCH CENTRE  
Directorate B - Resources  
Recruitment and Training

2015-IPR-F-000-6054

**CO2 emissions from road vehicles –  
Modelling CO2 emissions from hybrid  
vehicles**

**Position for:**

Trainee

**Short description of activity:**

The JRC is currently supporting major initiatives of the European Commission in the field of CO2 emissions reduction from light and heavy duty vehicles. Novel methodologies are being developed for accurately quantifying emissions of various on road vehicles using experimental measurements and computer simulation methods.

The proposed trainee project consists in joining ongoing research programs on road transport generated CO2 emissions. In particular the trainee will assist in extending CO2MPAS (the model developed by the STU to evaluate CO2 emissions from light duty vehicles) to hybrid vehicle technologies. Part of the duties might involve developing computer code in Matlab and/or Python or other relevant language for results analysis and input data formulation 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.

The candidate should have good knowledge of spoken and written English (level B2).

Advantage.

Knowledge of one or more of the following will be an advantage:

automotive engineering, computer programming (python), 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>