



POLITÉCNICA

PhD Position Call for Applications

OPEN POSITION:

PhD student

This PhD position is part of the Collaborative Doctoral Partnership (CDP) between the Universidad Politécnica de Madrid (UPM) and the European Commission's Joint Research Center (JRC) [see https://ec.europa.eu/info/departments/joint-research-centre_en, with more detail].

CDP provides a novel hands-on training for students interested in impactful research at the science-policy interface. The doctoral student will spend time at both the university and one of JRC's sites (JRC Ispra, Italy; JRC Geel, Belgium; JRC Karlsruhe, Germany; JRC Seville, Spain; JRC Petten, The Netherlands), where the research will be carried out in one of its laboratories. The student will spend between one to three years at JRC, depending on the individual PhD program and the agreement with the University. While at JRC, the student will be enrolled in the University and is offered a Grantholder contract

https://ec.europa.eu/jrc/sites/jrcsh/files/jrc_grantholder_rules.pdf

by the JRC for the time spent at the JRC (see additionally Guide for Grantholders (employed at the Ispra site)).

PhD Program: Civil Engineering Systems (UPM)

<http://www1.caminos.upm.es/dosic/sobre-dosic.html>

Job location:

First six months in UPM, Madrid (obligatory attendance to PhD preparatory courses)

One to three years at:

European Commission - Joint Research Centre site in Seville

Edificio Expo

Calle Inca Garcilaso, 3

41092 Seville, Spain

Temporary employment covering the doctoral period of the candidate (3 years)

The doctoral degree programme is conducted in English, during which the student will be jointly supervised by UPM and JRC and will spend up to three years at JRC, Sevilla, Spain.

. After successfully completing the PhD programme conditions, the candidate will be awarded the doctoral degree by UPM

The doctoral position covers a competitive salary for the research work carried out during the stay at JRC (approximately 2000€ per month).

Candidates

We are looking for applicants with a Master degree in Civil Engineering or Industrial Engineering or similar, with high-standard qualifications and proven English proficiency level

You are a citizen of one of the EU Member States or from Associated Countries; or citizen of non-EU countries already in possession of a work permit in Spain.

The selection process will take into consideration the applicants ability to benefit from third-cycle studies. In particular, the following points will be assessed:

- Specific knowledge and skills within the subject area of the PhD position and related research fields
- Scientific analysis and presentation skills as proven by the completion of a thesis or degree project, articles in scientific journals or similar.
- Professional experience

Subjects of work:

The PhD subject will be aligned with the research lines included in the UPM PhD Program on Civil Engineering Systems and the JRC mission of providing the European Commission with science-based quantitative analyses on a number of policies at EU level. These areas of research include topics on the following categories:

- Transport networks, markets and competition (all transport modes)
- Big Data and mobility
- Impacts of Connected and Autonomous Vehicles on the transport system
- Transport Modelling
- Transport and Land Use, accessibility, connectivity
- External costs of transport

The profile of interest includes strong quantitative and programming skills and some previous experience in the fields of transport economics, modelling and engineering.

The outcomes from the PhD are expected to contribute to the tools currently in use by JRC for the assessment of EU-wide transport-related policy impacts.

The details of the research program will depend on the selected application but would in any case focus on rendering the results of the PhD useful at a European scale (including regional and urban levels of analysis).

Application for admission

Applications must be submitted through the following procedure by no later than 24.00 h on June 14, 2019 to: patricia.rico@upm.es

Please, put COLLABORATIVE DOCTORAL PARTNERSHIP in the e mail subject line

Applicants are required to provide the following documents:

- A. University Master's degree and official academic record issued by the university where you studied.
- B. CV, describing the relevant research and professional experience and other qualifications held by the applicant;
- C. Motivation Letter
- D. Recommendation Letter
- D. Copy of passport (non-Spanish applicants only) and, if applicable, of the permit to work in Spain for the expected duration of the contract.
- E. Any publications.