

## PTV Group Master Thesis Scholarship – 2019

### Scholarship's Facts Sheet:

*Location:* Barcelona. UPC North Campus. B1-Building.

*Department / Research Group / Professor:* Civil and Environmental Engineering Department / BIT-Barcelona Innovative Transport / Under the direction of Prof. F. Soriguera.

*Sponsor:* PTV Group

*Duration:* One semester

*Dedication:* Full-time

*Financial support:* 2.000€ for the whole period

*Other benefits:* Working place and assistance within the BIT research group, PTV software training course, possibility of an internship in the PTV Group.

*Application deadline:* 31 December 2018

### Summary:

PTV Group, a company with more than 40 years of experience developing tools for transportation modelling and simulation, is offering through the BIT research group a scholarship to a master's student in the UPC. The selected candidate will carry out a master thesis about a topic involving research in traffic modelling and simulation. The final outcome of the master thesis will be in the format of a scientific paper (in English). It is expected that the quality of the research work will be enough to disseminate the obtained results in a conference or scientific journal.

### Requirements:

- To be enrolled in a master's program in the UPC-BarcelonaTech. Exchange students at the master's level will also be considered, if they have enrolled the master thesis at the UPC.
- Excellent English communication skills. Catalan, Spanish and German will be appreciated to a lesser extent.
- Full-time dedication during one semester.
- High interest in transportation, mobility and traffic research.
- Some experience or knowledge in transport modelling methodologies (e.g. some courses in the bachelor or master degrees)

### Application submission:

To apply please send the following documents to [enrique.jimenez-merono@upc.edu](mailto:enrique.jimenez-merono@upc.edu) in a single PDF file entitled "PTV19\_Lastname\_Firstname.pdf"

- A detailed CV/resume
- The academic record issued by the university
- A description of your proposed master thesis, including the topic to face, your ideas about approach and methodology, and argumentation of why simulation tools could be useful in this case. (Max. 2 pages).