

The Amsterdam University of Applied Sciences (AUAS) is offering:

PhD CONTRACT in Simulation and Heuristics for capacity research in the Aviation Sector

The Aviation Academy of the Amsterdam University of applied Sciences is offering an academic research position for an outstanding and motivated graduated MSC (or close to graduation). The candidate should be motivated and interested in pursuing a **PhD degree** in the area of Simulation and Optimization for the Aviation Sector (preferably, but other transport modes can be considered).

The University has close collaboration with the University of Toulouse/ENAC (Ecole National de L'Aviation Civil), the University of Lisbon (under the MIT-Portugal Program) and University of La Rioja. Therefore, the candidate will receive the PhD from one of the mentioned Institutions (**Not from AUAS**), however the working activity will be located in Amsterdam.

The successful applicant will join the simulation research group at the Amsterdam University of Applied Sciences under the supervision of **Dr Miguel Mujica Mota** (www.mmujicamota.com) **under a contract of 1FTE (80/20), which means it will fully contribute to his/her pension.** The starting date is in **summer 2018**.

The PhD Thesis will address problems using simulation-optimization in aviation or transport-related problems in capacity (airspace analysis, airside operations, landside, terminal problems, supply chain and logistics, transport modes among others).

Entry requirements and application procedures:

At a minimum, the successful applicant will have a good honours BSc degree in computer science, operations research, industrial engineering, mathematics, or related subjects. An MSc is required for the registration. Strong analytical and mathematical skills are required, and a good level of English (written and spoken) as well as good programming skills. No other background knowledge is essential.

How to Apply

To be considered for this PhD contract, applicants are required to first contact **Dr Mujica Mota: m.mujica.mota@hva.nl**, (including uploading all supporting documents required: **Motivational letter, Academic History with Grades, and 2 reference letters**) by the deadline of **30 April 2018**.

Please add on your motivational letter the 'Proposed research topic or area of research' if you already have one in mind.

KEY INFORMATION:

- **Topic: Simulation optimisation in Aviation or transport**
- **Expected starting date: Summer 2018**
- **Funding: Dutch Contract 80/20 (80% research. 20% education)**
- **PhD Granted: ENAC, U.Lisbon or U. La Rioja**
- **Location: Amsterdam, The Netherlands**

For more information contact directly Dr. Mujica Mota: m.mujica.mota@hva.nl