
Student assistant / research assistant (f/m/d) in Paderborn

Application deadline: rolling, until position is filled

Earliest start date: 01.03.2021

We are looking for a talented student assistant (SHK) or research assistant (WHB, with bachelor's degree) of Computer Science, Computer Engineering, or related studies. The position is in collaboration with the Networked Systems Modeling group headed by Prof. Christoph Sommer and funded by the BMBF project AirMobiSim.

The project takes place in cooperation of the SICP (Software Innovation Campus Paderborn) with an industrial partner. The goal of the project is to model drones executing missions in software and to develop a corresponding simulator. Through this simulator, any scenarios can subsequently be evaluated cost-effectively in software and real operations can be better planned.

For this research, we are looking for an assistant to conduct experiments on drones, collect data and later evaluate them for software models. In particular,

- Modeling drone movements and energy consumption based on real data
- Evaluation, assessment of own results
- Support with publication projects

This is a temporary position of 9.5 hours per week. However, we are interested in a longer-term cooperation.

We expect:

- (Advanced) Bachelor's / beginning Master's degree in computer science, computer engineering or related fields
- Very good programming skills in Python
- Programming skills in C++ are an advantage
- Knowledge in R, LaTeX, simulations are an advantage
- Good written and oral communication skills in English

We offer:

- Varied, exciting tasks
- Flexible working hours
- Thesis opportunities
- Collaboration in a current research project in cooperation with industry

Please send application documents as a single PDF file of no more than 10 MB via an e-mail with subject **AirMobiSim02** to Tobias Hardes <Tobias.Hardes@uni-paderborn.de>.