

Internship

Simulation studies for automated guided vehicles

The research project "MulTraSys" (conception and simulation of a multimodal transport system consisting of AGV and drone for a quasi-continuous milk run in an SME production environment) investigates the combination of AGV and drones to increase logistical performance.

The aim of this research project is the simulative investigation of such a multimodal transportation system in SME production environments. The focus is on the transportation of small and lightweight components, which are common in the plastics processing or semiconductor industry.



Your tasks

As part of your internship, you will have the opportunity to familiarize yourself with the exciting field of automated guided vehicles and the simulation of such systems and to professionalize your knowledge. You will build dynamic models and simulations using the Robot Operating System (ROS) and carry out relevant studies. In detail, you will carry out the following activities:

- Research
- Implementation of existing models
- Extension and programming of models
- Carrying out simulation studies

Your profile

You are studying one of the following subjects:

- Computer science
- Electrical engineering
- Mechatronics
- Mechanical engineering

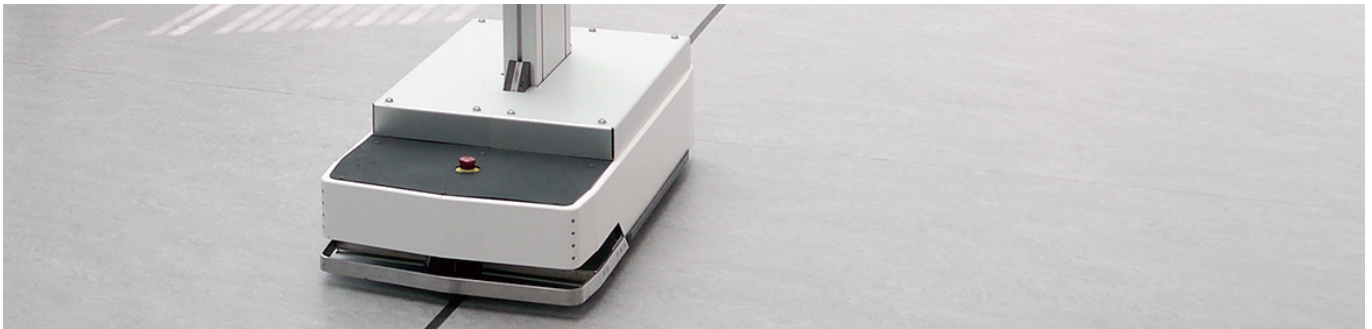
You are interested in developing and implementing challenging and highly practical tasks in the field of automation technology

and robotics.

Ideally, you have knowledge of ROS and are experienced in a programming language (Python or C++). A thesis at the end of the internship is also planned.

We offer

- appropriate compensation
- independent work
- flexible working hours
- well-equipped workplaces
- home office by arrangement
- test implementation
- possibly long-term cooperation



Bitte sende deine aussagekräftige Bewerbung in einer einzigen PDF-Datei an jobs@iph-hannover.de.

Die Bewerbung muss Anschreiben, Lebenslauf sowie Prüfungsleistungen des Studiums / Zeugnisse enthalten.

Contact



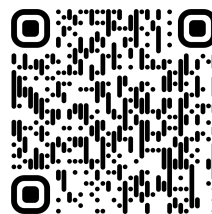
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