

master thesis, bachelor thesis, project thesis, internship

Software optimisation of a simulation for autonomous drones

In the AIMS5.0 project, IPH is responsible, among other things, for providing an autonomous drone that can be used to measure an unknown environment using a laser scanner. Until now, the development of path planning algorithms at IPH has largely been carried out in a simulation that only bears a distant resemblance to reality. This has led to a number of problems in the past, which are now to be circumvented with a new simulation tool.



Your tasks

The existing simulation environment is to be partially redesigned, optimised and then examined by you. This offers you the opportunity to make good use of your final thesis/study project or your internship.

The following exciting tasks await you:

- Software design for a simulation environment
- Implementation of the software design in various sub-steps
- Testing and validating the software quality of the simulation environment

Other tasks and topics that are of interest to you can be worked out together.

Your profile

You are studying one of the following subjects:

- Computer science
- Mechanical engineering
- Business informatics
- electrical engineering
- or a similar subject

You are interested in working on new and challenging tasks. You also have knowledge of programming with C++ and/or Python.

It is also desirable that you are interested in a longer-term collaboration after completing the task.

We offer

- appropriate remuneration if applicable
- independent work
- flexible working hours
- Well-equipped workplaces
- Home office by arrangement
- test realisation
- possibly long-term co-operation



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



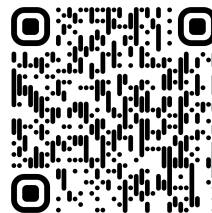
Hendrik Kumpe
M.Sc.

+49 (0)511 279 76-224

IPH - Institut für Integrierte Produktion Hannover gGmbH
Hollerithallee 6
30419 Hannover

www.iph-hannover.de

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