

Side job, internship, bachelor thesis, master thesis, project thesis

Simulation of the use of automated guided vehicles

The aim of the Orpheus research project is to improve the performance of these control and communication processes, which should lead to more usable vehicles and more robust operation. Solutions for efficient wireless networking using network coding are to be made applicable. Furthermore, a decentralized communication structure is to be used to create a scalable system in which additional participants can be added dynamically without negatively affecting the logistics performance of the system. The potential of decentralized swarm communication is to be demonstrated in ORPHEUS using existing radio standards and network protocols. In addition, a material flow simulation with Anylogic is to be created.



Your tasks

- Literature research on the decentralized control of AGVs
- Development of simulations in Anylogic
- Support in the preparation of research proposals and scientific publication
- Support with industrial projects (factory planning, software selection, AI projects)

Your profile

You are studying one of the following subjects:

- Industrial engineering
- Mechanical engineering
- Mechatronics
- (Business) informatics

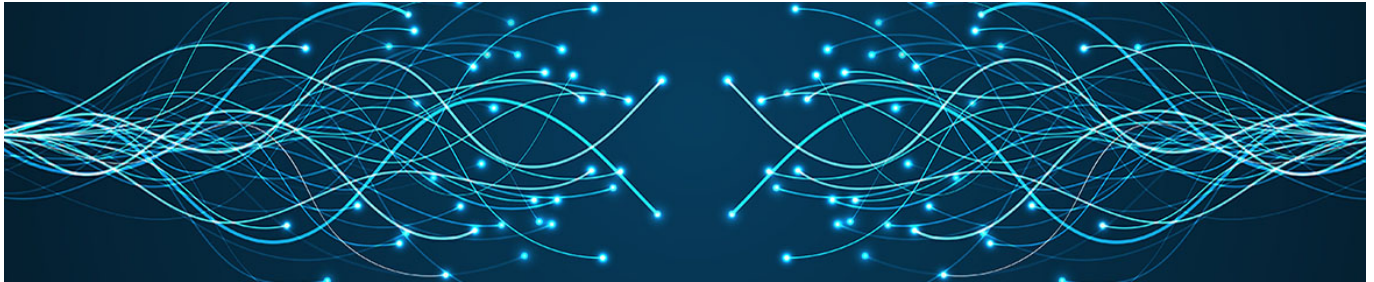
You are interested in driverless transport vehicles, automation and material flow simulation.

You also have knowledge of programming with VBA, Java and Anylogic.

Good written and spoken German and English are essential for the job.

We offer

- appropriate remuneration
- 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.

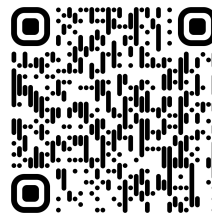
Contact



Manuel Savadogo
M. Sc.

+49 (0)511 279 76-449

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IPH – Institut für Integrierte Produktion Hannover gGmbH
Hollerithallee 6
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www.iph-hannover.de