HiWi position
Autonomous Tractor Development

The Chair of Agrimechatronics at Technical University of Munich (TUM)

invites for applications for a HiWi position. M/F/D. Applications from disabled persons with essentially the same qualifications will be given preference. TUM strives to raise the proportion of women in its workforce and explicitly encourages application from qualified women.

About the position

We are looking for a student that helps us developing subsystems for our future-proof autonomous tractor. Tasks will mainly revolve around software systems and programming of applications, possibly including communication systems, machine learning, computer vision, augmented reality and positioning & navigation methods.

The number of working hours can be from 8 to 20 hours per week, arranged on workdays that fit the student's schedule. The Chair of Agrimechatronics operates in Freising/Weihenstephan (Dürnast) and Garching.

About us

The Chair of Agrimechatronics (Prof. Oksanen) studies especially Intelligent Machines for Agriculture. The research themes include topics like tractors and other agricultural vehicles and robots, tractor-implement automation, communication technologies for vehicles, navigation, guidance and planning, positioning systems, model-based control of mechatronic systems, drives and power systems, and robotic implements.

Your qualifications

- Good skills in one or several of the following topics: software development, communication technology, embedded systems, mechatronics, robotics
- Good programming skills in one or several of the following languages: Matlab, Simulink, C/C++, Python
- Practical experience with agricultural machinery and farming is beneficial

Application process

Start: as soon as possible. Send your application in English by email to henri.hornburg@tum.de with title "HiWi application G-Trac" including

- A short email elaborating your background and motivation
- Curriculum vitae (CV) in English and current transcript of records of your studies

More information   https://www.lse.ls.tum.de/en/amx/research/amx-g-trac/