

Student Assistant in Robotics and Cooperative Autonomous Vehicles

The Cooperative Autonomous Systems research group focuses on connected and autonomous vehicles and vulnerable road users. We research the latest technologies and methods to improve road safety. In this work we are also interested in connected robots that can communicate with autonomous vehicles and interact with vulnerable road users.

You can support us as a student assistant and learn about the latest technologies and get an insight into research. Your tasks are:

- Assembling hardware components (Arduino, robot e.g. turtlebot3/ARI, R-Pi etc.)
- Supporting the implementation of user studies (Human-Robot Interaction, Virtual/Augmented Reality)
- Extending software components (e.g. Python, C, ROS(2) and Unity)
- Testing of applications (e.g. deployment of multiple mobile robots)
- Contributing your own ideas or assisting with brainstorming.

You should be motivated and have an interest in new technologies as well as the automotive industry. Previous knowledge of any programming language as well as basic hardware knowledge is an advantage. In return we offer you:

- Flexible working hours
- Industry and research related activities
- Contribution to publications
- Working with the latest technologies
- Coffee and great colleagues

Have we sparked your interest in Vision Zero?

Then send an email to Manuel Bied (manuel.bied@kit.edu) to find out more.