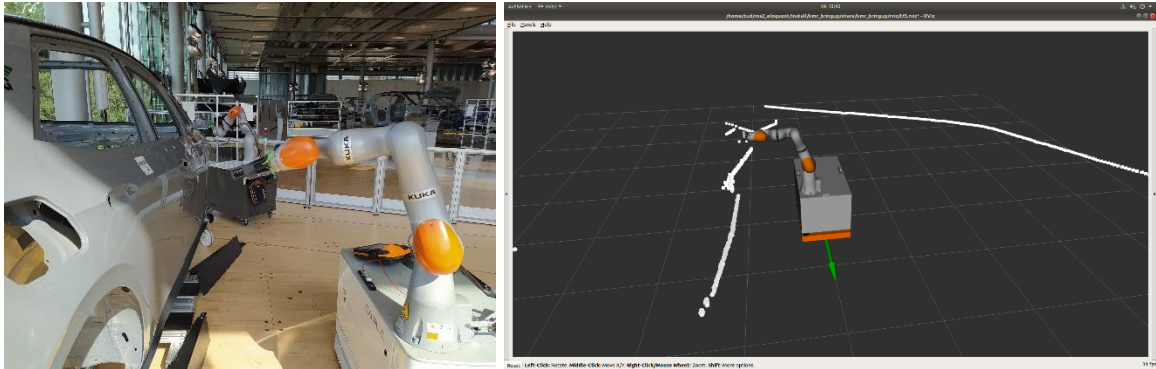


„Object Detection for Mobile Robots“

Topic for Work as a Student Research Assistant



We are actively looking for students to help us with the realization of a mobile robot use case in the Transparent Factory (Gläserne Manufaktur).

This involves the implementation of an object recognition with an RGB-D camera. This can be for example an Intel Realsense camera.

Our goal is to recognize a car body with the help of RGB or depth data, to determine the relative position and to plan the approach of the robot accordingly.

Optimal would be:

- Knowledge in programming languages (C++, Python...)
- OpenCV, ROS, OpenVino

We have worked as student assistants ourselves and have gained a lot of practical experience from this. Therefore, motivation counts more than hard skills for us.

Keywords: robotics, industrial networks, 5G, smart factory

Tools: Programming language (C, C++, python), plotting tools., OpenCV, OpenVino

The language of the project supervision can be English or German.

If interested, please contact: Peter Sossalla (peter.sossalla@tu-dresden.de)