Bachelor Thesis

Build a dashcam for road-legal use in testing vehicles

Your Task
- Build a dashcam using Basler cameras and a Raspberry Pi single-board computer. The platform should be installed non-intrusively in any modern car.
- Provide the images captured from the camera to an existing ROS 2 network using the Data Distribution Service (DDS).
- Evaluate the solution with an existing recording device and other sensors running on the same network.

Your Profile
- Knowledge of C/C++ or similar programming languages.
- Demonstrate reliability, motivation, and the ability to bring in your ideas.
- Preferred but not mandatory: Experience with sensor data and embedded hardware.

Our Offer
- Interdisciplinary team of engineers and computer scientists.
- Regular weekly meetings with the supervisors. More or less supervision is possible if needed.
- Key for students' room and access to snacks and drinks (cost price).

Contact

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Thinking the Future
Zukunft denken

Apply Now!