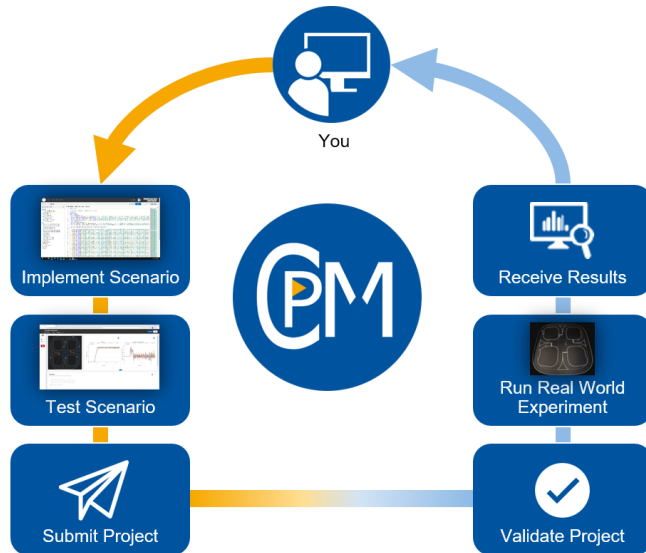


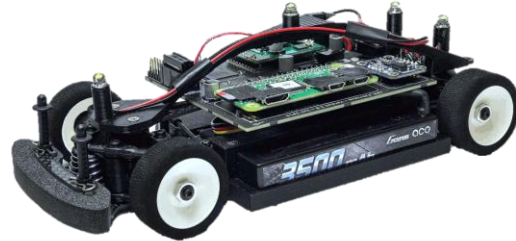
Student Assistant / Thesis

www.CPM-Remote.de

Problem Statement



The Cyber-Physical Mobility Lab (CPM Lab) is an open-source platform for networked and autonomous vehicles. In an area of 4 x 4,5 meters up to 20 of our self-designed vehicles (μ Cars)



can be used for research and education in the context of autonomous driving. However, our lab is based in Aachen, which is one of many reasons why it's not accessible for every researcher across the globe. The CPM Remote project aims to overcome these limitations and provides a remote

access for everyone interested worldwide. Feel free to register at cpm-remote.de and try it yourself.

As we offer a variety of online services (e.g. editor, compiler, simulation environment, real-time connection to the lab), there is a wide range of tasks to do in terms of infrastructure. Further, our applications CPM Academy and CPM Olympics add another scope of work.

Your Tasks

- ▶ Support the development of different subsystems
- ▶ Maintain and improve our applications CPM Olympics and CPM Academy
- ▶ Implementation of different software parts
- ▶ Your own topic suggestions are welcome and will be discussed

Your Profile

- ▶ Knowledge of C++ and/or javascript
- ▶ General understanding of the MEAN Stack is a plus
- ▶ Student of Computer Science, Automation Engineering, Mechanical Engineering, Electrical Engineering or a similar study program

Our Offer

Positions are to be filled as soon as possible and are limited to 3 months. If suitable, an extension is possible/desired. The regular weekly working hours are 7-9 hours.

Contact

Please read our [Instructions for Applications](#).

Armin Mokhtarian, E-mail: mokhtarian@embedded.rwth-aachen.de