Institut für Verteilte Systeme
Institute of Distributed Systems

ulm university universität ulm

Defense strategies against attacks on platooning

Bachelor's Thesis

12 CP

Platooning is an application of Cooperative Intelligent Transport Systems (C-ITS). These consist of vehicles exchanging messages over VANETs in order to coordinate their actions. This dependability on the messages broadcasted wirelessly makes the vehicles susceptible to certain attacks.

In this Bachelor thesis possible attacks on platooning should be gathered and defense strategies against these attacks proposed. With the help of a simulation framework (OMNET++, SUMO, VEINS) one attack and defense mechanisms should be implemented and evaluated.

Suitable for all students who are interested Misbehavior Detection and Vehicle Communication.

Michael Wolf | michael.wolf@uni-ulm.de| O27-3210

If your are interested or you need additional details, feel free to contact me or drop by for a non-binding chat.