

DAAD GSSP 2019

Project 4

City Platooning as a Decision Problem

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There have been various studies on the benefits of platooning in general and within conurbations in particular. Typically, externally given objectives propose platooning whenever possible. As it comes to the actual implementation, the preconditions for forming a platoon are not yet clear. The goal of this project is to identify prerequisites for platooning and design a model deciding on entering a platoon in a given situation. One would start with a deterministic model and extend this model to dynamic decision making in a stochastic simulation environment later on. Finally, the design and prototyping of a method taking platooning decisions is aimed at.

