

DAAD GSSP 2019

Project 1

Cooperative Vehicles in Shared Spaces

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The uncertainty in shared spaces poses significant challenges for future automated and autonomous vehicles, necessitating a strong cooperation between vehicles and with other road users. An essential prerequisite of cooperation is communication using wireless and cellular technologies. The goal of this project is to design and evaluate algorithms and protocols that enable cooperative sensing to create a real-time map of a shared space and its users that is the basis for automated and cooperative trajectory planning.

