Automated and Connected Driving Challenges
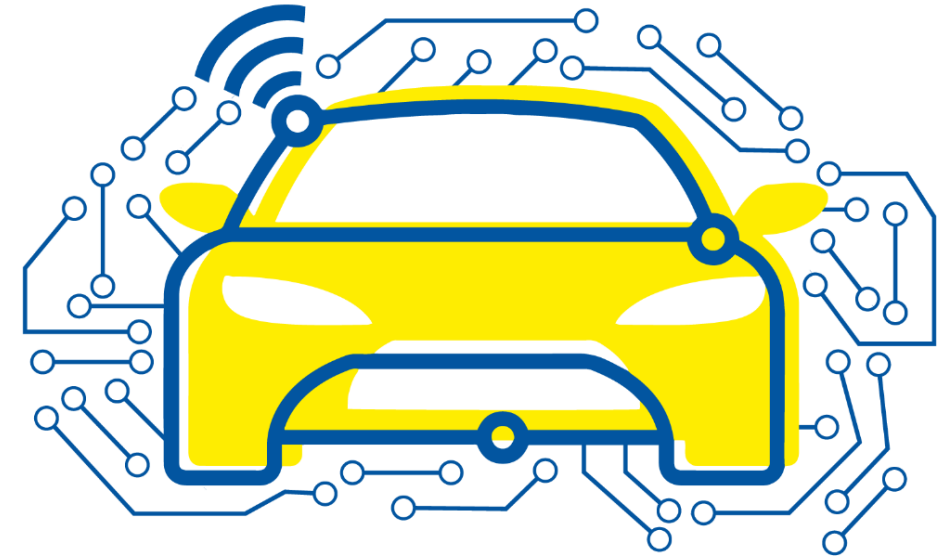
Section 5 – Connected Driving

Introduction

Tasks

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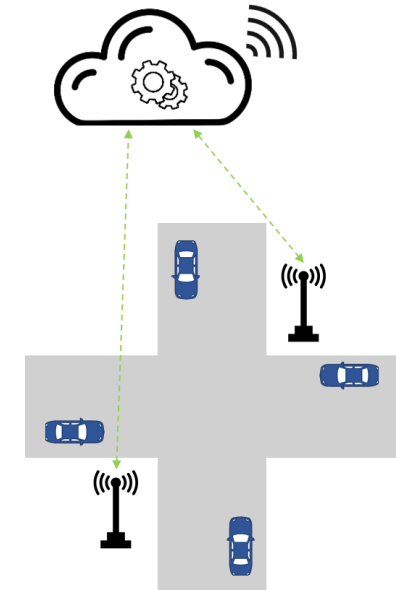
Introduction – Tasks

Tasks covered in Section 5

- **Cloud-based Data Processing**
  - Cloud-based object list fusion and tracking
  - Your computer works as a „Cloud"
  - Use and modify the tracking algorithms from Section 3, so it can be used in a collective cloud server
  - Visualize the fused object list

Collective function

- **Infrastructure to Vehicle Communication**
  - Receive various data from traffic lights
  - Filter the relevant data and visualize the result in RVIZ
  - Use and modify the trajectory planning algorithm from Section 4 so it can react to the state of traffic lights

Supportive function