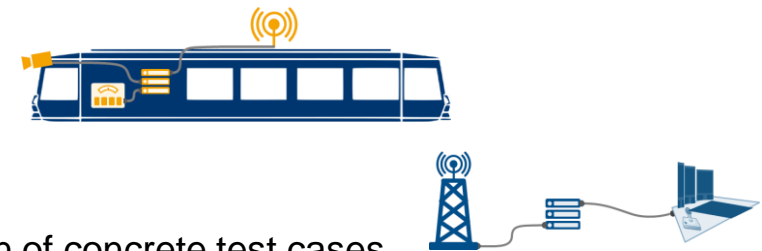


BaTh/MaTh: Development of a test concept and generation of test cases for teleoperated systems in an automated vehicle

Teleoperation means the remote control of a vehicle and is seen as a fundamental key factor to enable automated driving. In the research projects MAAS and UNICAR*agil* teleoperation systems are developed and implemented into the automated vehicles. For this, a test concept including test cases based on a risk analysis needs to be developed to approve safety of the systems.

Tasks:

- Analysis and extension of the risk analysis of the teleoperation system
- Definition of safety requirements based on the risk analysis
- Development of a test concept including possible test environment and the definition of concrete test cases
- Execution of selected test cases in a given test environment
- Evaluation of the method in comparison to existing methods



Requirements:

- Readiness for theoretical approaches and abstract thinking
- Good understanding of the functions of an automated vehicle

Supervisors:

Patrick Pintscher M. Sc. (patrick.pintscher@tu-darmstadt.de)

Björn Klamann M. Sc. (bjoern.klamann@tu-darmstadt.de)

NOTICE: All projects and theses at FZD can be done in English or German, as preferred.
ANMERKUNG: Alle Projekte und Arbeiten bei FZD können wahlweise in Englisch oder Deutsch durchgeführt werden.

