What it is about

Safety is the most important and whilst most challenging part of autonomous driving. However, it is difficult to test and compare the functionality of algorithms since there is currently no standardized database of scenarios. Our goal is to provide benchmarks for motion planning algorithms. Therefore, we defined a .xml-format for describing scenarios.

The above figure displays such a scenario which contains information about the road network, obstacles and their trajectories (blue), and initial state (green) and goal (red) of the ego vehicle.

What is your task

- Maintain the database
- Create critical scenarios from YouTube videos and other sources
- Automated scenario generation from other databases (python skills advantageous)

\[\text{commonroad.in.tum.de}\]