Test scenarios for driver assistance systems

Motivation:
Knowledge of relevant influences and necessary test scenarios for the development and safety of driver assistance systems and the development of a method for generating test catalogues.

Problem:
What scenarios and influencing variables are significant for the development / safety of a driver assistance function?
How do tests in simulation and on the road (test tracks) have to be performed?

Objective:
Identification of the sensor and function-specific influences on the 3D parameter space.
Development of tools for the automatic generation of scenarios for simulations and test tracks.

Solution:
Adding traffic situation to the 3D database.
Identification of the sensor and function-specific influences.
Development of a tool for the automated identification of relevant scenarios.