Testmanager –
A Tool for Reproducible Test Execution

MOTIVATION
- Just a small deviation of characteristic parameters in execution can lead to different test-cases.
- Tool-Chain for the observance of test parameters and precise test execution, to represent complex interactions of HAD vehicle and two objects, e.g.
  - Approach with Merging on highways
  - Overtaking Scenarios on highways

FEATURES OF TEST-CASE EDITOR AND TESTMANAGER
- Definition and Alignment of complex highway test-cases (up to two object vehicles) in Test-Case Editor
- Survey of characteristic parameters of test-case on proving ground or on public road
  - object velocities, positions, gaps
  - Maneuvers (via Checkpoints)

APPROACH AND TECHNOLOGIES
- Object detection and tracking of characteristic parameters
- High precise 360° LIDAR sensors
- WLAN communication between master and object devices
- Mobile Devices for visualization in object vehicles, Car-PC for Master vehicle
- Hard- and Software for the optional controlling of object vehicle (long. and lat.)

VuT[1] – Vehicle-under-Test e.g., “Ko-HAF HAD Driving System”