

# 1 Introduction

## 1.1 Terminology

### 1.1.1 Vehicle Dynamics

The Expression 'Vehicle Dynamics' encompasses the interaction of

- driver,
- vehicle
- load and
- environment

Vehicle dynamics mainly deals with

- the improvement of active safety and driving comfort as well as
- the reduction of road destruction.

In vehicle dynamics

- computer calculations
- test rig measurements and
- field tests

are employed.

The interactions between the single systems and the problems with computer calculations and/or measurements shall be discussed in the following.