

- **Motivation:**

The conflict between agility, driving comfort and safety can for the most part be solved through active chassis systems. The increasing number as well as the combination of individual systems require efficient methods for the development of the respective control strategies.

- **Problem:**

How can the active chassis control components (e.g. dampers) be used and connected in an optimal way to meet the target criteria driving safety, comfort and driving pleasure as best as possible?

- **Objective:**

Development of algorithms for active chassis elements to improve the agility and driving safety to the maximum, e.g. through individual damper control for each wheel.

- **Solution:**

Efficient control strategies with estimation of additional control variables (e.g. damper velocities) through running simulation models.

Verification in test drives with prototype control units.

