

Advanced Driver Assistance Systems

Area: Lane-Keeping and Driver Acceptance

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Duration: 2007 – 2010

Different concepts related to lane-keeping of motor vehicles are developed and evaluated. The main focus of research is the development of a stable and robust algorithms and its driver acceptance. The assistance is communicated to the driver by means a moment superposed on the steering wheel. Additionally the interconnection of the lane-keeping assistance system with other assistance systems, such as Adaptive Cruise Control, is investigated. The resulting system is tested both in a simulator as well as in a real vehicle.

