

# **Advanced Driver Assistance Systems, an Approach to enhance Comfort and Safety**

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In September 2001, the European Commission has published a White Paper which ambitious objective is to reduce of about 50% the road fatalities in Europe by 2010. In order to reach the objective set by the European commission, various efforts have been dedicated to the integrated safety that includes accident prevention, risk mitigation, and driver assistance.

Therefore improvement of car occupant safety, comfort and mobility are the main research and development domains for the automotive industry these days. New functions called Advanced Driver Assistance Systems (ADAS) will be installed in vehicles within the next years. These systems are often classified only by safety aspects. The presentation will point out the necessity of an integrated approach, which takes safety and comfort into account. This approach will be discussed for camera based ADAS like Lane Departure Warning and Traffic Sign Recognition.