

# The driver assistance systems and improved of the traffic safety between past, present and future

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## **Abstract:**

One of the solutions being considered by the industry to increase traffic safety is the development of driving assistance systems. The basis for automated driving of future is the driver assistance systems. In the future we are sure that you have one assistance systems on board of your vehicle. The objective of these technologies is to assist the driver in his task, by diffusing information and/or alarm messages, or even by taking control of the car. Indeed, an adaptive assistance system must be able:

- To understand the situation in which the driver finds himself,
- To analyze his behavior,
- To judge the adequacy of his behavior in the urgent situation,

For this, our project is focused on the analysis of behavior of drivers cars by interpret their behavior in Emergency situation using a driving simulator in specific circumstances according environment.

**Keywords:** driving assistance, Human-machine interaction, traffic safety, emergency situation.