

Intelligent devices alert drivers of dangerous situations in order to avoid accidents

LOCATION: Almería

LENGTH: 1'18"

SUMMARY: The investigation group of Automatic, Robotics and Mechatronics from the University of Almería has developed intelligent sensors that alert drivers of dangerous driving situations. These systems give real time warnings to avoid possible accidents.

VTR:

Imagine driving and your car alerts you in real time of a dangerous situation, thus avoiding a potential accident. Well, this is what an investigation group of Automatic, Robotics, and Mechatronics from the University of Almería is working on.

JOSÉ LUIS BLANCO
Investigator for the University of Almería

"We have developed a series of sensors and software that, using the data from them, can determine the type of grip, if it's safe, whilst driving the vehicle."

These sensors are useful for self-sufficient cars as driven by people.

JOSÉ LUIS TORRES
Investigator for the University of Almería

"These types of sensors can avoid, for example, a risky situation in which the driver or the automatic driving system take a sudden turn, so it can be corrected. The anomalous speed is detected and the trajectory can be rectified."

The tests performed have been very satisfactory.

JOSÉ LUIS BLANCO
Investigator for the University of Almería

"We have carried out simulations in different situations such as double overtake, curves and straight lines; and, in practice, we have worked on manoeuvres that simulate overtaking."

JOSÉ LUIS TORRES
Investigator for the University of Almería

"It is important because it allows for detections and corrections of the dangerous situation in real time."

The team will continue to work in order for the results to be even more satisfactory and the safety that the sensors contribute is maximized.

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