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## New Night Vision for Intelligent Cars - Based on infrared

By: Stefan Anitei, Science Editor

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Humans are not made for traveling during nighttime: around 42% of fatal that at this time there is 60% less traffic.

There's little visual acuity and field of vision at night provided by illumination of [Computer Architecture and Technology](#) at the University of Granada

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increases night driving ability by employing data provided automatically from This is part of the European project named DRIVSCO, in which researchers i its application to the car industry.

The research made at UGR developed a microchip which can be installed cameras to elements linked to driving (bends, pedestrians, cars etc.) and information to the drivers using visual, acoustic or other clues about the

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more complex.

"Dipped headlights only illuminate about 56 m (185 ft) when the breaking c Professor Eduardo Ros Vidal, pointing that the illumination of the car is insuf

His team developed that system based on two infrared cameras located further than the classical headlights illumination. The chip can use data ab rapid detection of specific significant elements and situations.

By now, the artificial vision systems can spot objects, pedestrians, bends scene in real time in a color code: warm colors for increasingly close obje remote objects (bluish and safer), but also real-time movements, pointing related to the car's movement.

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