

Cerchi Lavoro?
Trovalo Subito!
Guarda gli annunci





subito.it
 Vendi & Compra di tutto in Italia

PUBBLICITA'



NEW TINGO
 NEW TINGO. 88% SERIOUS.
 Vieni a provare il divertimento, sul serio.

NEWSFOOD.com International

Mercoledì, 3 Ottobre 107, 12:53:34

Home Italia Regioni International Lavoro Speciali Eventi Aziende Organizzazioni Comunicati Pubblicazioni Legislazione

Italiano | English | Español | Français

AVVISO

PUBBLICITA' I DATI DI SETTEMBRE - INVIA I TUOI COMUNICATI STAMPA

NEWSFOOD.com > International > English

Researchers at the University of Granada have developed a microchip that improves night vision

New night-vision system to bring down road fatalities

The new system will extend the field of vision beyond the range normally illuminated by conventional headlights by using information extracted automatically from night visors

CORDIS.EUROPA.eu - Pubblicata il 02/10/2007

 Stampa l'articolo  Segnala l'articolo  Invia un commento  RSS Feed

Researchers at the University of Granada (UGR), Spain, have developed a microchip that improves night vision for drivers.

The system complements the illumination of the car and will alert drivers to obstacles on the road, the scientists explain. The device was invented in the framework of the EU-funded DRIVSCO (Learning to emulate perception action cycles in a driving school scenario) project, in which the UGR participates.

The new system will extend the field of vision beyond the range normally illuminated by conventional headlights by using information extracted automatically from night visors. Information about movement or depth is provided in real time by two infrared cameras installed on the car, so that, for instance, bends in the road, pedestrians and other cars will be more easily detected. The new microchip facilitates the extraction of information from the cameras. In addition, it can be used to set off an alarm - by visual, acoustic or other means - to alert the driver.

The system could, in the future, help to reduce road deaths: Four out of ten fatal car accidents occur at night, although there is about 60% less traffic then than during the day. This is due to reduced visual acuity and field of vision, as illumination is usually insufficient for ideal vision. 'Dipped headlights only illuminate about 56 metres when the breaking distance at 100 km/h is about 80 metres,' says Eduardo Ros Vidal from the UGR, the researcher who carried out the study.

DRIVSCO is a project funded under the Sixth Framework Programme. It investigates real-time vision and its application to the car industry. Researchers are focusing, first and foremost, on night-vision scenarios with infrared illumination as the commercially most relevant application domain, they say. DRIVSCO brings together universities and industry from Spain, Lithuania, Germany, Italy, Denmark and Belgium in a joint effort to design intelligent cars that could make driving easier and safer.

The central idea is that cars should learn to drive autonomously by correlating information about the environment and the actions of the driver. Starting on the basis of a fully operational human-machine interface, such a system should be largely independent after learning, using a variety of predictive mechanisms. 'We envision a system that can learn to drive a car during daylight and apply the learned control strategies in an autonomous way to the system's augmented field of infrared night-vision,' the DRIVSCO researchers say.

For further information, please visit:

<http://www.ugr.es/>

cordis.europa.eu



 Stampa l'articolo  Segnala l'articolo  Invia un commento  RSS Feed

Informazioni e ultimi articoli della sezione

Pubblicato in NEWSFOOD.com nella sezione **International** - English

EDITRICE TARO PRESENTA

LIBRI IN VETRINA



Le etichette dei prodotti alimentari - Edizione 2007

€ 38,00 - **Alfredo Clerici**

Guida per le aziende che vogliono essere in regola con la Normativa Italiana ed Europea".

Modulo d'ordine



La nuova disciplina comunitaria sull'igiene delle produzioni alimentari - III Volume

€ 38,00 - **Alfredo Clerici**

La normativa comunitaria sull'igiene degli alimenti

Modulo pacchetto Igiene

PUBBLICITA'

A 5 minuti dal tuo nuovo lavoro

Parola chiave

Seleziona una regione

TROVA

InfoJobs.it
 Leader europeo del recruiting online

Ultime

1. Efficienza della filiera degli ortofrutticoli nello scenario globale
2. Nokia aggiunge nuovi partner per i contenuti del Nokia Video Center
3. Veneto: gemellaggio Longarone-Urussanga
4. Montezemolo: "Bene la Finanziaria, ma è troppo timida sui tagli alla spesa pubblica"
5. Ogm e semplificazione: iniziativa della Cia Calabria
6. Legge sugli appalti, ecco le disposizioni della Regione Toscana
7. Torna 'La Toscana dei consumatori', dall'8 al 13 ottobre
8. Agricoltura, Zaia: «prodotti veneti da campioni del mondo»
9. Un concreto sostegno finanziario alle imprese agricole per investimenti e per affrontare la sfida del mercato
10. Sicurezza stradale: approvato il testo definitivo

[Archivio completo](#)