

TOSHIBA
Leading Innovation >>>

> **TOSHIBA EASYGUARD SCHÜTZT IHR NOTEBOOK
BEI STÖßEN ODER VOR FLÜSSIGKEITEN**



innovations report

Forum für Wissenschaft, Industrie und Wirtschaft

Hauptsponsoren: **SIEMENS** **n-tv** **Postbank**

Datenbankrecherche:

Fachgebiet (optional):

GO

[Home](#) [Über uns](#) [Media](#) [English](#)

FACHGEBIETE **SONDERTHEMEN** **FORSCHUNG** **B2B BEREICH** **JOB & KARRIERE** **SERVICE**

[Google-Anzeigen](#) [Chemie Labor](#) [Controlling](#) [Projekt](#) [Chemie ABI](#) [Chemie Salz](#)

Home → Fachgebiete → Informationstechnologie → Nachricht

A researcher from the Universidad de Granada has created a system which makes robots 'see' people and interact with them

13.12.2007

Although there have been great improvements in the field of robotics in the last fifty years, much work remains in order to introduce androids into our daily life.

Anzeige



Rafael Muñoz Salinas, a researcher from the Department of Computer Science and Artificial Intelligence of the University of Granada, is the author of a doctoral thesis which represents a major improvement in the interaction between robots and human beings. His study, entitled 'Soft-Computing and Computer Vision Techniques Applied to Autonomous robot navigation and Human-robot Interaction', has managed to develop a series of perception-motor skills which notably improve the natural interaction between robots and human users.

Stromanbieter Vergleich

Strompreise und Stromkosten senken. 900 Stromanbieter im Vergleich.
www.verivox.de/stromanbieter

SuperOffice CRM Lösungen

Beratung, Installation, Erweiterung > 200 CRM Projekte weltweit
www.3C-Solutions.de

"The aim of our study is to make robots the most accessible tools in our homes and work places", explains Rafael Muñoz, "and for this reason, it is necessary to develop techniques which help to increase the level of autonomy of mobile robots". For this, it is fundamental to minimize human intervention, in order to introduce robots into our lives.

The work performed at the UGR has made it possible to combine the use of vision techniques, as well as flexible computation applied to navigation and perception problems, in order to give robots better movement skills.

"Our second objective is related to the development of perception-motor skills which give mobile robots basic skills of natural interaction", states Rafael Muñoz. "Because,

although robots have to be able to act autonomously, "their purpose is always to serve human beings".

Interaction

The study carried out at the UGR has made it possible for a robot to detect humans and interact with them rather than consider them mere obstacles. "The most important aspect is that this communication has to be natural. The use of screens, keyboards or mice in order to communicate can be a limitation when we try to introduce robots into our daily life. It is better to use communication mechanisms more similar to the ones human beings use, such as visual communication, voice, gestures, etc.", explains the researcher.

The improvements achieved in this field have contributed to the first attempts to use

Anzeige

**EURO
PAGES**

Europages.com

knüpft

Kontakte

in Europa

Aktuell

Solare Kombianlage für Klinikbetrieb
12.12.2007 | Energie und Elektrotechnik

Emissionsfreie Forschungsstation in der Antarktis mit Solarmodulen von Kyocera ausgerüstet
12.12.2007 | Geowissenschaften

TransportmarktBarometer ProgTrans/ZEW - Experten erwarten kaum dauerhafte Kundenverluste für die Schiene aufgrund des Bahnstreik
12.12.2007 | Wirtschaft Finanzen



TOSHIBA
Leading Innovation >>>

mobile robots in a wide range of applications in our daily life, such as personal robots, robot pets, guide robots in museums and personal robot assistants for the disabled or elderly.

University of Granada | Quelle: alphagalileo

Weitere Informationen: prensa.ugr.es/prensa/research/index.php

Corporate Fashion

Uniform Design Konzept & Produktion entwickelt im CI
Ihres Unternehmens
www.gmk-corporatefashion.com

SuperOffice CRM Lösungen

Beratung, Installation, Erweiterung > 200 CRM Projekte
weltweit
www.3C-Solutions.de

Scheidenpilz behandeln

ohne Chemie und Antibiotika mit kolloidalem
NanoSilizium DynamSi
www.bnw-mineral.com/



Jobware
Karriere-Portal für
qualifizierte Fach- und
Führungskräfte
www.jobware.de

Top

Artikel versenden

drucken

