W3C Workshop: AR on the Web

UNIVERSITY OF OVIEDO
FACULTY OF COMPUTER SCIENCE

HCI Group

Augmented Accessibility: towards an Augmented Reality environment accessible to disabled users

Dr. Martin Gonzalez-Rodriguez

The Human Communication and Interaction Research Group (HCI-RG)

Faculty of Computer Science

University of Oviedo

Oviedo, Spain

HUMAN COMMUNICATION AND INTERACTION
Research Group

eMinds
International Journal on
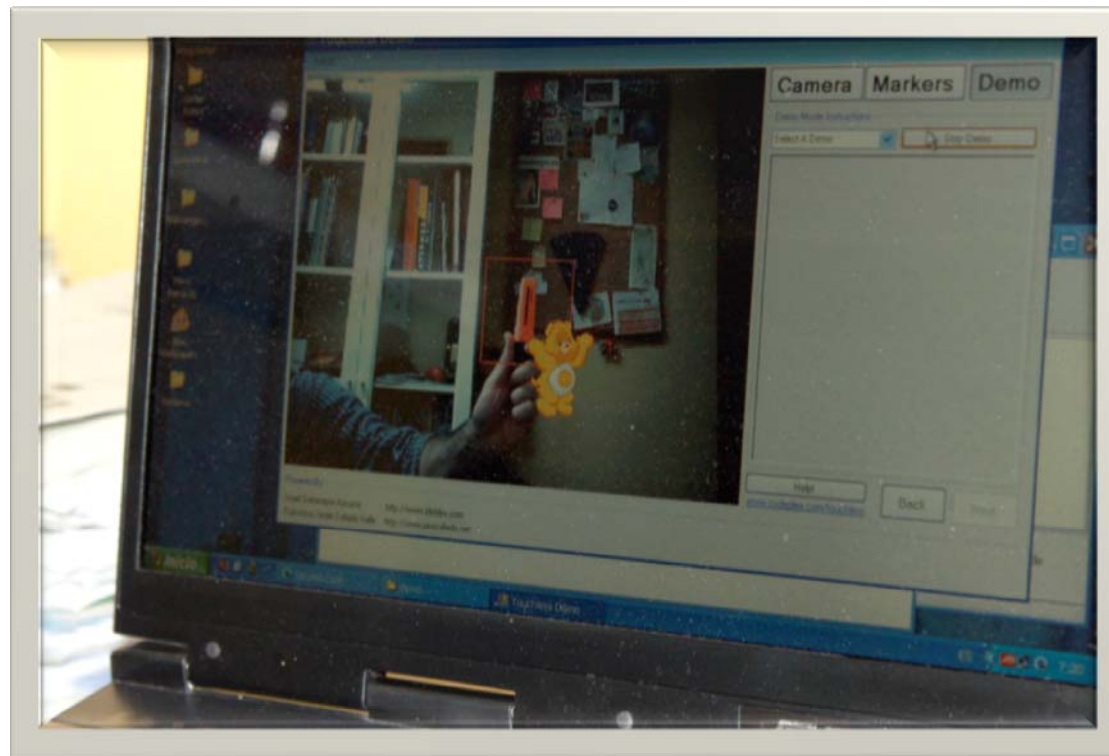Human-Computer Interaction

The **Augmented Accessibility** concept

❖ Natural interaction services for disabled users in **AmI/Urban Computing**.

- Use of mediated reality, adding information to the perception of:
  - » Blind users.
  - » Deaf and hard of hearing users.

- Alternative ways of interaction for users with
  - – Cognitive and mobility-related severe disabilities:
    - » Autism.
    - » Cerebral palsy.

a s p a c e
Asociación de Ayuda a las Personas
con Parálisis Cerebral

GOBIERNO DEL
PRINCIPADO DE ASTURIAS
CONSEJERÍA DE EDUCACIÓN Y CIENCIA

The SHUBAI Project

Our first step: increasing motivation

- ❖ Therapeutic treatment for disabled children
    - Group Training and Collaborative tasks.

The SHUBAI Project

Our first step: increasing motivation

❖ Learning cause-effect relationships

• Young children suffering autism.

Thanks

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martin@uniovi.es

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