

IST research program is launched by an interactive experience of *de pinxi*.

The DGXIII, ACTS program, asked us to create an interactive experience to achieve two goals:

- to explain the aim of over 25 R&D projects part of the ACTS programme ;
- to demonstrate technology integration in the specific area of Multimedia Content Creation and Distribution Chain.

The techniques of 3 ACTS projects are especially involved in the building of this interactive walk-through : MIRAGE for interactive content integration (partner : *de pinxi*), VANGUARD for 3D scanning techniques (partner : KUL), SICMA for the MPEG2 and Multimedia server techniques (partners : Axcent & University of Paderborn).

The ACTS virtual walk-through pulls together 3D scanning and modelling, real-time, interactive virtual reality and video, sound and text. It uses the setting of a home to access ACTS multimedia technologies through various home appliances.

The core elements of Virtual walk-through integrate 3D models and virtual worlds produced from advanced scanning and modelling technology. The project emphasises the user-driven aspect of ACTS research, and illustrates the way multimedia technologies may affect the home in the future.

The Virtual walk-through demonstration content at IST 98 was integrated from over 25 ACTS projects in the fields of multimedia production, management and delivery. Visitors to the stand will be able to view a virtual house interior and also its exterior landscape, enhanced with virtual humans.

Another display will feature the interior of an in-house teleworking office, and 3D animation illustrating networked virtual spaces.

A complete 3D model of an outdoor archaeological site can be seen as a garden and accessed through a window, while a complete 3D model of a historical ship will be accessible via a wall painting.

Credits:

Axcent : Karsten Morisse ;

KUL : Luc Van Gool, Paul Konijn, Reinhard Koch, ...

Silicon Graphics : Jean-Luc Affaticati, Kurt Bergler, Philippe Dal ;

University of Paderborn : Reinhard Lueling, Mr Laska ;

University of Leeds : Kia C Ng.□