



\*\*\* department interactive multimedia appliances \*\*\* department interactive multimedia appliances \*\*\* department interactive multimedia appliances \*\*\*

## 3DSim – Rapid Prototyping Ambient Intelligence

-

### Simulation and Visualization of Aml Meeting Environments

**Ali A. Nazari Shirehjini**

**Presenter: Michael Hellenschmidt**

Fraunhofer Institute for Computer Graphics

Fraunhoferstr. 5, 64283 Darmstadt

[ali.nazari@igd.fraunhofer.de](mailto:ali.nazari@igd.fraunhofer.de)

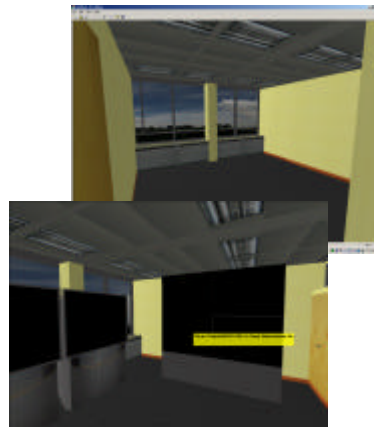
+49 6151 155 208



## 3DSim: The Environment

\*\*\* department interactive multimedia appliances \*\*\* department interactive multimedia appliances \*\*\* department interactive multimedia appliances \*\*\*

- **From Virtual Environment to real world and vice versa**
- 3D-Visualisation of a real environment makes access to devices, sensors and media available
- Visualizes light, animates user activity and renders media (movie, slides, pictures)
- Manipulating the environment by adding and removing devices, sensors, users as well as changing their position/orientation at run-time



© 2005, Fraunhofer IGD



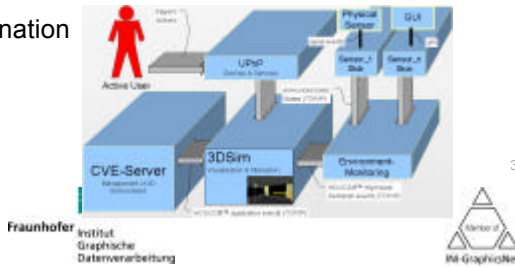
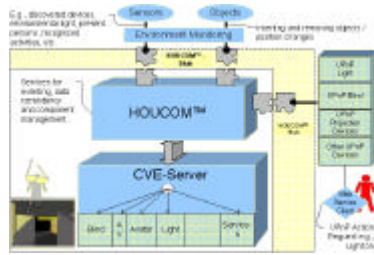


# 3DSim: System Components

\*\*\* department interactive multimedia appliances \*\*\* department interactive multimedia appliances \*\*\* department interactive multimedia appliances \*\*\*

Supporting the development of Ambient Intelligence scenarios:

- Human-Computer-Interaction solutions
- Intention analysis components
- Multimedia Output Coordination



© 2005, Fraunhofer IGD



# „THE END“

\*\*\* department interactive multimedia appliances \*\*\* department interactive multimedia appliances \*\*\* department interactive multimedia appliances \*\*\*

Thanks for your attention.

© 2005, Fraunhofer IGD

