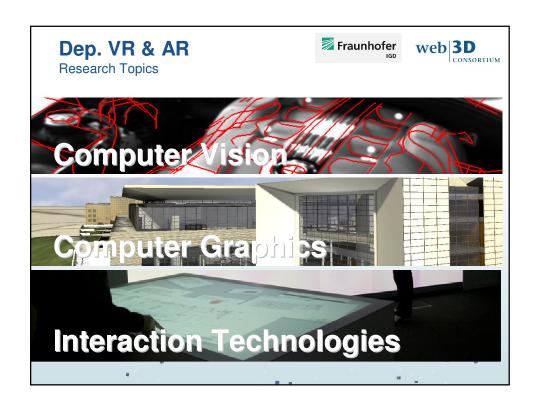
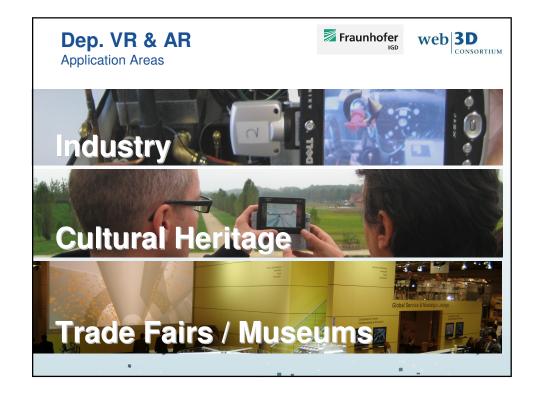


Fraunhofer IGD Mission: Technologies and Applications of Visualization, Interaction and Communication in the field of ICT Director: Prof. Dr. techn. Dieter W. Fellner 4 Locations: Darmstadt, Rostock (Germany), Singapore and Graz (Austria) 180 Researchers (FTE) 14,7 Mio. € Turnover Department Virtual and Augmented Reality





IGD and X3D

2005: InstantReality - AR Application





instantreality links today's standards to tomorrow's technologies

- VR/AR-framework which utilizes X3D as application-interface
- Vision-layer for tracking
- New Nodes for Data-Streams (e.g. tracker, video), Backdrop-Backgrounds, Flexible Camera setup, Occlusion-handling
- Input for X3D-AR Interest-group.





YOUR PRESENTATION TITLE // YOUR NAME (EDIT IN MASTER!)

IGD and X3D

2009: x3dom.org - AR Application





x3dom Instant 3D the HTML way!

- HTML5/X3D Integration model
- Allows to embed declarative 3D data directly into the HTML-DOM
- Runtime independent supports native, plugin and WebGL
- Browser has no video-API but Flash
 - => X3DOM/Flash Hybrid for AR www.x3dom.org



YOUR PRESENTATION TITLE // YOUR NAME (EDIT IN MASTER!)

IGD and X3D

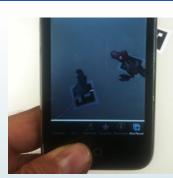






x3dom Instant 3D the HTML way!

- AR browser for mobile apps
- Uses WebKit-layer as application-interface
 - HTML5 and JS for script
 - x3dom used for 3D-data and AR-setup
 - Supports marker- and postertracker right now. More soon ...





YOUR PRESENTATION TITLE // YOUR NAME (EDIT IN MASTER!)





THANKS

Demos are shown at the Web3D booth #814

Questions?

More information:

www.instantreality.org

www.x3dom.org

YOUR PRESENTATION TITLE // YOUR NAME (EDIT IN MASTER!)

