Touch: Immersive Concepts:

Art & Film

Cinema: Proposed Visualized Technology

Human Computer Interaction: Types (examples)
Proposed immersive environment:

Immersive Environments: Current Research
Touch Table
Touch Surface: (Wall)
Multi Touch Hologram: (Screen)

Data Visualization & interaction
Oblong at altitude: Sundance 2009
http://oblong.com/
Resources and Links:

G Speak Spatial Operating Environment

Experience CAD via Multitouch interfaces
http://labs.autodesk.com/technologies/multitouch/
Demo Touchtable (Wired Science)
http://www.pbs.org/kcet/wiredscience/video/231-touchtable.html

Touchtable

Touch Space Augmented Reality Demonstration
http://video.google.com/videoplay?docid=-1922747073003090226&hl=true#
Microsoft’s Sphere display in action
http://blog.seattlepi.com/microsoft/archives/144629.asp

Space Invader on Multi Touch Sphere
Displax Thin Film turns most flat surfaces into touch screens
http://www.google.com/imgres?imgurl=http://www.inewidea.com/wp-content/uploads/2009/04/image0142.jpg&imgrefurl=http://www.inewidea.com/tag/multi-touch&usg=58bP9ScE9EmlthmS5WJwkZ_9kS4=&h=248&w=420&sz=49&hl=en&start=32&um=1&tbnid=GUUJ8bGUMoYQM:&tbnh=74&tbnw=125&prev=/images%3Fq%3Dmulti%2Btouch%2Bbuildings%26start%3D19%26um%3D1%26hl%3Den%26client%3Dsafari%26sa%3DN%26rlw%3D1%26ndsp%3D1%26tbn%3D1&ei=QFG8T4obHTEY-gU2q-XQDg

Teliris InterAct TouchTable and Touch Wall: Immersive collaboration & Telepresence
http://www.google.com/imgres?imgurl=http://www.telepresenceoptions.com/images/teliris_interact_touchtable2.jpg&imgrefurl=http://interactivemultimedia.blogspot.com/2008/11/teliris-interact-touchtable-and.html&usg=Ih8TirV_Ij9f4TmVUKM95gL-4Q=&h=413&w=550&sz=75&hl=en&start=1&um=1&tbnid=1tKCSxQw5SSQRM:&tbnh=100&tbnw=133&prev=/images%3Fq%3Dgroup%2Bvirtual%2Blearning%2Btouch%2Btable%26um%3D1%26hl%3Den%26client%3Dsafari%26sa%3DN%26rlw%3D1&ei=QFG8T4obHTEY-gU2q-XQDg

"Touch to Telepresence"
Touchwall: Microsoft’s Inexpensive Wall-Based Multi-Touch Interface
http://techcrunch.com/2008/05/14/microsoft-touchwall-can-inexpensively-turn-any-flat-surface-into-a-multi-touch-display/

Seeper - In Progress, Interactive MultiTouch Sphere 2009
http://www.youtube.com/watch?v=jR3pjqZ_368
RENCI Vis Group Multi-Touch Blog
http://www.google.com/imgres?imgurl=http://vis.renci.org/multitouch/wp-content/uploads/2008/11/mt_table_1.jpg&imgrefurl=http://vis.renci.org/multitouch/%3Fy%3D164&usg=__qLwQMn5TAA8Cgyq5Pl-nsKc=&h=622&w=846&sz=183&hl=en&start=6&um=1&tbnid=K92vevU2plcX0vM:&tbnh=143&tbnw=145&prev=/images%3Fq%3Dtouch%2Btable%26um%3D1%26hl%3Den%26client%3Dsafari%26sa%3DX%26rls%3Den%26ie%3Dsch-1

Artists Exploring Motion Interfaces
http://userwww.sfsu.edu/~infoarts/links/motion/motartists.htm
Photo- floor interactivity

Virtual Reality: Futuristic Tools for Virtual Worlds
http://weburbanist.com/2010/03/30/virtual-reality-futuristic-tools-for-virtual-worlds/
VR Treadmill brings Outdoors Inside
and
Motion Capture – Advanced Real time Tracking
http://www.ar-tracking.de/Motion-Capture.214.0.html

Interactive Wall - Multi Touch
http://www.youtube.com/watch?v=SYylJ0SrLQ&feature=fvw
I-Viewer (IV)
http://www.exhibitengineering.com/products.htm

Northern Hemisphere
http://www.multitouch360.com/
iotracker Infrared Optical Motion Tracker for Augmented and Virtual Reality
http://www.youtube.com/watch?v=zBqFHMpvFIM

Autodesk Design on Jeff Han’s Perceptive Pixel Multi-Touch
http://www.youtube.com/watch?v=O7ENumwMlhs&feature=related
Exploring Mudbox (Autodesk Labs version) with Multi-touch
http://www.youtube.com/watch?v=wh1Qv6OvI1A

Virtual-Reality Multimedia Cocoon Being Designed by NAU
Interactive architecture
http://designcorner.blinkr.net/Interactive_Architecture/?page=2
Declan Shaw – Waiting and the Reconstruction of Imagination

It’s Here. iTracer Puts 3D CAD… On the iPhone
Multi Touch Music Wall
http://www.youtube.com/watch?v=gmmdGonQW4

Minority Report gets real: Multi-touch hologram

Obscura Digital VisionAire 3D Multi-touch hologram
Design a Multi-Touch Table and Apply to Interior Furniture Allocation

From Book Series: Lecture Notes in Computer Science (LNCS)
http://www.springerlink.com/content/4h97170251842644/

Design a Multi-Touch Table and Apply to Interior Furniture Allocation

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Abstract. This is a study based on the integration of FTR, multi-touch technology with Industrial Design to produce a multi-touch table. An multi-touch system interface is also developed through this study. Furniture allocation is applied as the context to provide users practical operating experience on the multi-touch interface. The process includes FTR structure related testing, hardware technology and specifications, and the exterior design. The system interface includes image recognition system and multi-touch application, and is developed in FLASH. This study not only uses the easy-to-use characteristics of the multi-touch technology but also integrates PGUI to link the 2D scene with the user interface. This provides a real-time 3D simulation image that the user can view the result of the furniture allocation while controlling the user interface. Observation and interviews are made on the users to evaluate the advantages and related problems of the multi-touch technology for future study and development.

Keywords: Multi-Touch, Interior Design

Illuminate Multi-Touch Table Display Screen and Multi-Touch Surface Computer Technology
http://www.gesturetek.com/illuminate/productsolutions_illuminatetable.php

MAT 200C Survey of Media Technology and Engineering – Gustavo A. Rincon - Spring 2010
100” Multi touch screen prototype with Second Life by Junhee, Yeo
http://vimeo.com/4232828

Cobalt: Open Source P2P Virtual Worlds Browser And Construction Toolkit
Day 8: Interactive 3D Heart. Dell Latitude XT2 Tablet Multi-Touch Reviews by 22Miles.com
http://www.youtube.com/watch?v=bvPw03n8Wxq

CES 2009: Intel 3D Touch-screen Display
http://www.youtube.com/watch?v=73CGOjkwKdQ&feature=fvw
Holographic GIS using 3D Touch Table

Illuminate Displays and Multi-Touch Surface Computing Solutions for Interactive Screens, Walls and Windows
http://www.gesturetek.com/illuminate/productsolutions_illuminatedisplay.php
ring°wall - building the wall
The world’s largest multi-touch multi-user interactive LED wall, planned and implemented by SENSORY-MINDS.
http://vimeo.com/6854876
and http://www.vimeo.com/6648869

3D Multi-Touch User-Interface Demo
Prototype Application using Perceptive Pixel hardware, demonstrates approaches to simplify 3D object navigation using multi-touch technologies.
http://vimeo.com/4986602
Touch Table Gis working together

http://www.defensereview.com/touchtable/Northrop%20Grumman%20Touch%20Table_1.jpg

5 Steps to Avatar: Reinventing Moviemaking