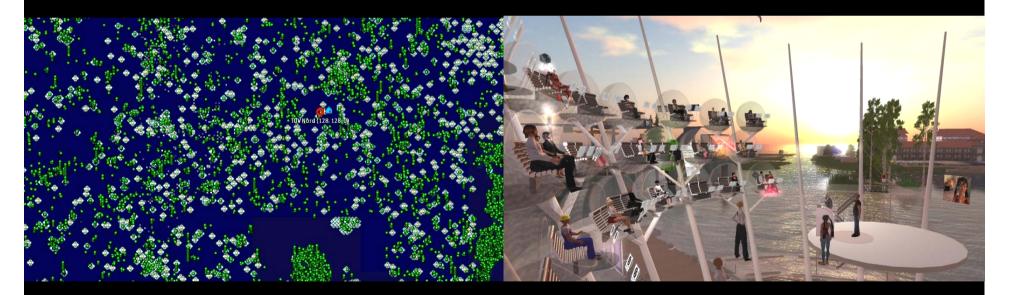
Hanno Tietgens | BÜRO X Media Lab



Avatars in Class: Campus Hamburg in 3D.

VWBPE 2011 | Virtual Worlds Best Practices in Education

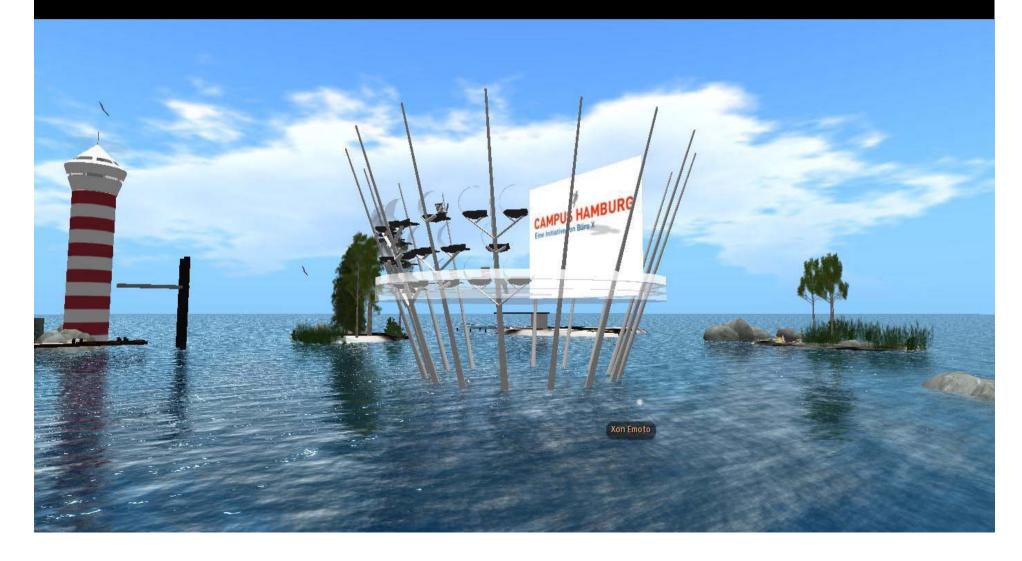


Second Life "North 1" | HAW Hamburg | March 18, 2011 |

Welcome to Campus Hamburg in 3D.



The Campus was created in 2007 by BÜRO X Media Lab with the support of the City of Hamburg (Hamburg@work, GameCity) and the Hamburg Chamber of Commerce.



Going live on November 27, 2007.



The 3D Campus opened its virtual doors after 6 months' planning with international lectures held by Andreas Hebbel-Seeger and Jörg Förster for University of Hamburg.



Local projects, international network.



Since 2007, Campus Hamburg has evolved into a platform for research and development focused on avatar based education in virtual 3D environments.

Hosting virtual meetings, events, and conferences.





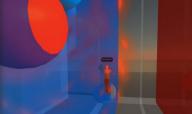


Exploring game based learning scenarios.



Creating immersive experiences not possible in real life.









Panelists and contributors to our presentation today:



Sue Gregory, Grad. Dip. Ed. | SL: Jass Easterman University of New England, Armidale, Australia

Micha Becker, Dipl.-Ing. | SL: Sanders Beaumont HafenCity University

Frank Boerger | SL: Boerger TUVNORD TÜV NORD Group

Prof. Dr. Andreas Hebbel-Seeger | SL: ahs Planer mhmk Macromedia University

Dr. Torsten Reiners | SL: Tyke McMillan University of Hamburg | Institute of Information Systems

Prof. Dr. Wolfgang Swoboda | SL: Professor Svoboda HAW Hamburg, Department of Media and Information

Hanno Tietgens | SL: Xon Emoto (Keynote + Moderator) Campus Hamburg in 3D | CEO BÜRO X Media Lab

Inhabit all Worlds.

http://slurl.com/secondlife/University%20of%20Hamburg/120/123/25

Dr. Torsten Reiners

reiners@econ.uni-hamburg.de

Education and Research Virtual Worlds 2008 - 2011

THE REPORT OF

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CAMPUS HAMBURG



Inhabit all Worlds: Project overview.

CONTAINER TERMINAL | QUEUE SIMULATIONS | SUPPLY CHAIN SIMULATION | VIRTUAL THEME RELATED LECTURES | PRODUCTION PROCESS SIMULATIONS | CONTEXTUAL LEARNING ENVIRONMENTS | IMMERSIVE EDUCATION TECHNOLOGIES | PLATFORM INTEROPERABILITY (e.g OPEN WONDERLAND | 3D BODY CONTROLS (Wii) | AVATAR TRACKING | HARASSMENT SIMULATION | MOBILE COMPUTING | AUTOMATED ASSESSMENT LAB | CONTENT MANAGEMENT, INTER-EXCHANGEABILITY

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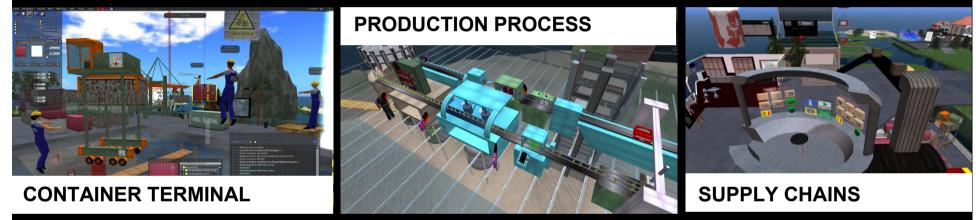
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CAMPUS HAMBURG

Project Name	Realization by	Lit.	Short Description	Graffiti	S.Büttner	[26]	Interactive pin-board in Project Wonderland which is
Container Terminal	T.Reiners, S.Wriedt	[2]	First project demonstrating the processes on a contai	(OpenWonderland)	M.Naumann	1.00	accessible and synchronized from other media devices
	F.Burmester	[35]	terminal with focus on the waterside.		L.Visser		(iPhone), web-sites, and worlds (Second Life).
Queue Simulation	M.Ebeling	[35]	Simulation of a pharmacy queue, where the user can various parameters like kind of queue, customer arrival number of pharmacists.	3D WII-Remote Input*	S.Leder	[26]	Extending the Wii-Remote input by J.C. Lee [19] to the third dimension and transferring the input to multiple worlds at the same time.
Supply Chain Simulation	S.Wriedt	[35]	Interactive teaching scenario for the bull-whip-effect us the container terminal as supplier and the pharmacy customer.	Avatar Tracking/Reporting*	Johannes Siep	-	Reports about movements, position, and actions of avatars on a web-site.
3DDE-Lecture	T.Reiners	[6] [13]	Lecture with international guest speakers and demonstrat of production and logistics locations in Second Life. ' course combined classroom and distance education as b reality and virtuality was projected in both worlds.	Interactive 3D Catalog*	C.Kuhlenkampff M.Wolter B.Altmann A.Wolter, R.Lindow	-	Designing and building an interactive catalog for 3D objects including a web-based repository. Later applications are, e.g., shopping support for stores like IKEA or a portable repository of all objects someone owns.
Bottle Factory	A. Erlenkötter H.Miu, F.Sommer CM.Kühnlenz	[9]	Student project about a production unit for a soda drink demonstrate processes in lectures and to learn ab requirements for designing production equipment.	Harassment Simulator	J.Sponholz E.Born	[28]	Role play inhabits a viral role for virtual worlds. This project demonstrated how a simulator for harassment at the workplace could be realized.
Interactive Classroom	T.Reiners C.Dreher N.Dreher H.Dreher	[6] [30] [13]	The joint project with the Curtin University was ab transferring software development into Second Life, wh the students learn the whole software development cy. The results are shown on the <i>Australis 4 Learning</i> Island	Virtual Navigation	C.Miu	-	Using the IPhone to navigate through building; i.e. projecting information about locations on the camera and/or virtual representation of the building.
	S.Gregory, B.Tynan			Automated Assessment	C.Dreher	[27]	For the interactive classroom and to demonstrate an
Business Departement	T.Reiners, S.Wriedt	-	Providing a space for institutes in the department	Lab*	H.Dreher T.Reiners		automated essay grading software, we set up a lab including
ePUSH	A.Hebbel-Segger C.Kuhlenkampff	[8]	The virtual world part of the project was about creatin seminar room, whereas the main technological developm consisted of a holodeck implementation, where scenar (e.g., arrangement of chairs/desks, objects) can be switcl through a panel.				an advanced classroom, interactive posters, and a drop box for assignments.
				Object Security Framework	T.Reiners S.Wriedt A.Rea	[25]	Introduce a feasible concept of object security. The proposed framework protects property and presents a methodology for exchanging objects across multiple 3DDE.



SIMULATION of Logistics and Production



COLLABORATION, COMMUNICATION, SOCIALIZING

Team Meeting in 3D Space

Michael Arthur Schuler







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CAMPUS HAMBURG



Inhabit all Worlds: Future Perspectives.

Shopping in 3D: Mobile 3D CMS

Christian Kuhlenkampff, Ronja Lindow, Andreas Wolter, Matthias Greifenberg, Björn Altmann





YouTube-Demo

Motivation

- App to visualize, administrate, and buy/sell 3D objects
- Communication and storage on dedicated server
- Catalog functionality for (real) shops (e.g., lkea)
- On-device storage of owned objects

The next big thing? Augemented Reality Concepts Mobile Computing | Shopping The AVATAR as interface?

University of New England, Armidale, Australia



"Virtual Classrooms with Jass Easterman" Sue Gregory, Lecturer ICT Education



School of Education, University of New England Part of the Australis4Learning Initiative, associated with the University of Hamburg via Campus Hamburg in 3D in Second Life: http://slurl.com/secondlife/Australis%204%20Learning/134/136/22 University of New England, Armidale, Australia "Virtual Classrooms with Jass Easterman" 2008-2011: Learning in a virtual world



Weekly sessions in-world

University of New England, Armidale, Australia "Virtual Classrooms with Jass Easterman" 2008-2011: Learning in a virtual world



Engagement

Role-Play

More information http://www.virtualclassrooms.info/



HCU in 3d

Potential and Spatial Organization of Higher Education in the Synthetic World of Second Life" Diploma and research thesis (Apr 1, 2010 - Feb 6, 2011) to

 identify and occupy the topics for a university of the built environment and metropolitan development;

develop a spatial organization for the institution

 develop strategical handling with new media technologies in research and education

 draft and establish immersion and applicability in the field of urban planning and architecture

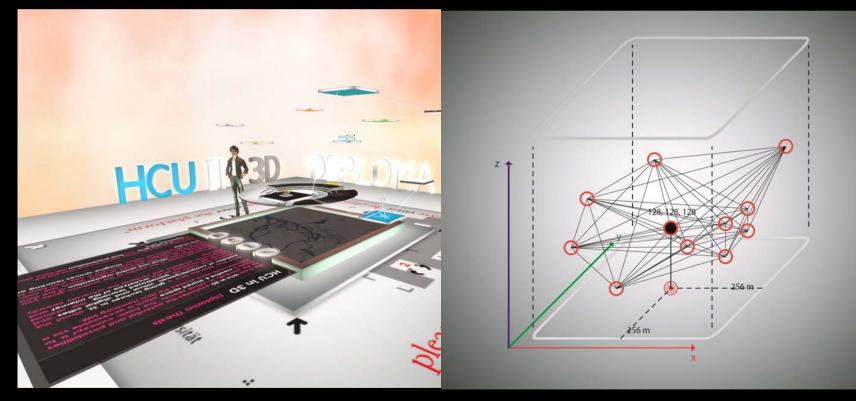




HCU in 3d - approach

CONCEPT DEVELOPMENT

SPATIAL ORGANIZATION





TÜV NORD Group, Hamburg/Hannover



TÜV NORD IN 3D: Driving knowledge in a knowledge-driven enterprise.



TÜV NORD Group, Hamburg/Hannover



TÜV NORD started its 3D internet presence "TUV Nord" in 2007 in Second Life to share knowledge, recruit in-world, explore immersive branding and game based learning.



TÜV NORD Group, Hamburg/Hannover



Corporate trainings in 3D turn a profit, saving \$3,126 (Ø) per participant in travel time and costs, and improving the carbon footprint.





Blended Learning in Virtual Worlds Prof. Dr. Andreas Hebbel-Seeger / ahs Planer

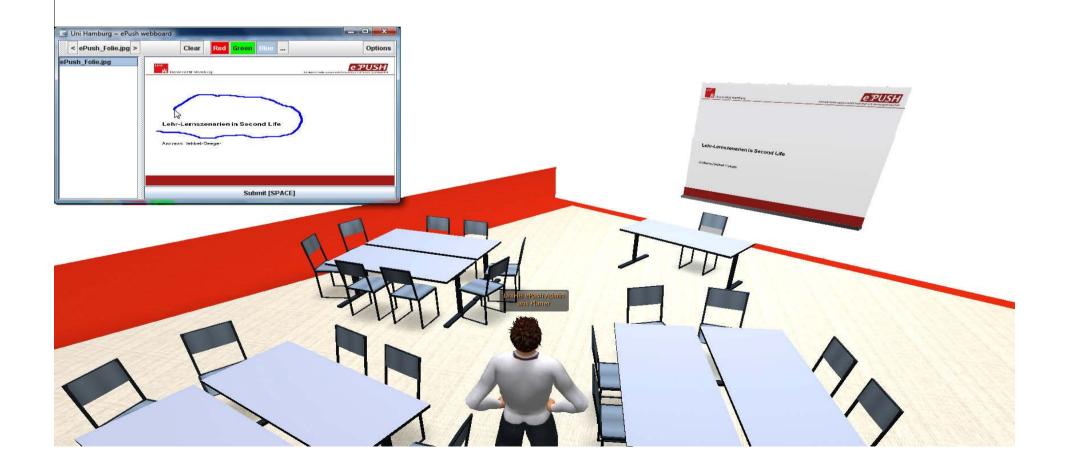
Macromedia University of Applied Sciences Gertrudenstraße 3 D-20095 Hamburg

eMail: andreas.hebbel-seeger@mhmk.de





2007 University of Hamburg, institute of sport science: Crossworld and crossmedia lectures | 2007-2008 faculty of education: Exploration, extension and evaluation of learning scenarios with the use of a holodeck





2008-2009: Augsburg University, institute for media and education technology | Project based exploration of use cases and opportunities of VR





Since 2009: Macromedia University of Applied Sciences media and communication | Crossworld lectures, LMSbonding (Sloodle), Visualization of ideas and processes relating to sport and events

http://slurl.com/secondlife/Campus%20Hamburg/68/204/23



HAW Hamburg | Design, Media and Information $\equiv c_{\text{AMPUS HAMBURG}}$



DMI goes Second Life

Hochschule für Angewandte Wissenschaften Hamburg Fakultät Design, Medien und Information, Department Information

Dipl.-Des. Christian Küttler Prof. Dr. Wolfgang H. Swoboda, M.A.

Projektpartner: Baltic Sea Virtual Campus Consortium (BSVC)

Platform: 3D Sim "Campus Finkenau" in Second Life http://slurl.com/secondlife/campus%20Finkenau/119/106/23/

20 students each term, since SS 2008



DMI: Didactic approach and objectives



// Working with media, creating and organizing events
// Developing communication skills and media literacy
// In focus: Student life and politics of higher education

HAW Hamburg | Design, Media and Information = CAMPUS HAMBURG DMI: Projects



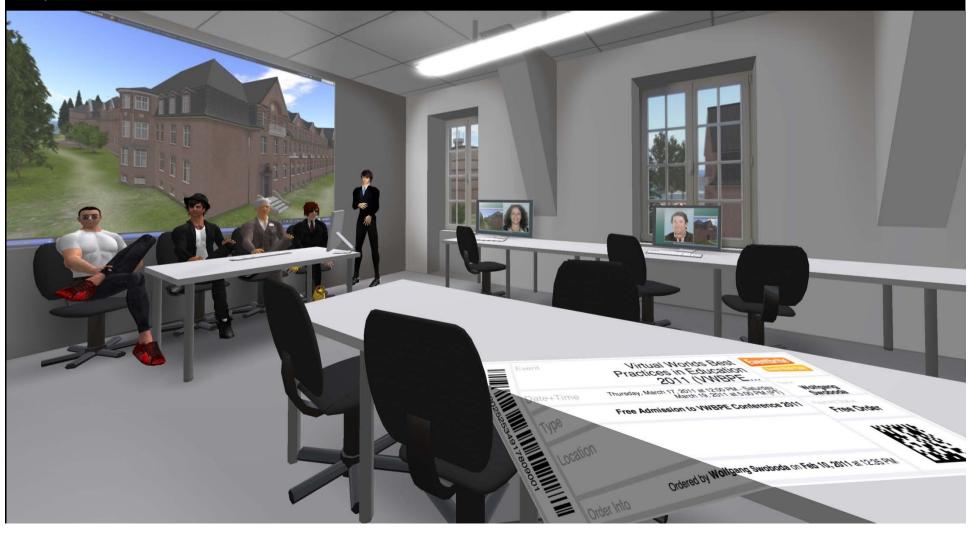
Campus Finkenau in Three-Dimensionality // Faculty Design, Media & Information Bachelor's Programme Media & Information // Information & Media Literacy Communication Competence // Future in Information Science & Management

HAW Hamburg | Design, Media and Information \equiv



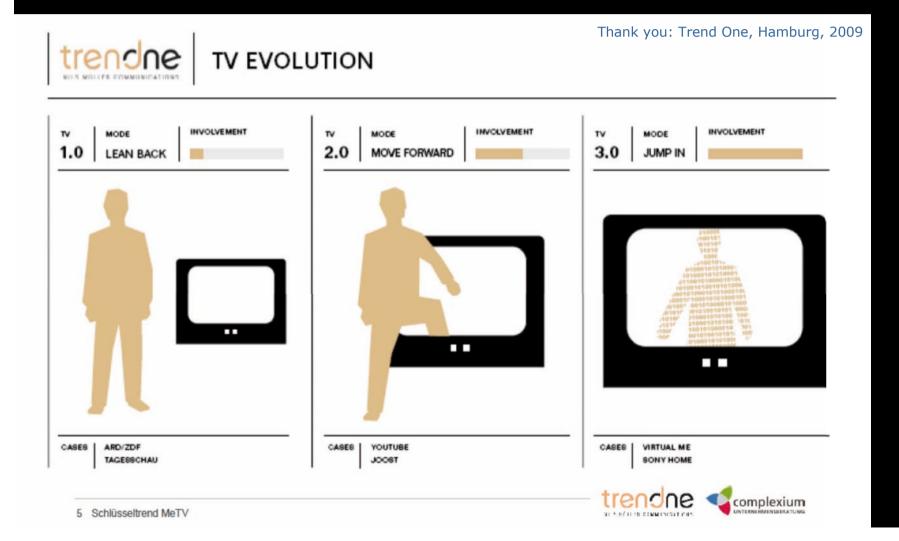
DMI: Our hosts in real life, plus creators of the video live stream by ELBE-Studios.

http://www.elbe-studios.de





So, where are we? And where do we go from here?





Technology is evolving in quantum leaps.



Leia & Obi Wan Lucasfilm 1977 Chambers & de Beer Cisco Systems 2007 Milo & Claire Microsoft 2010



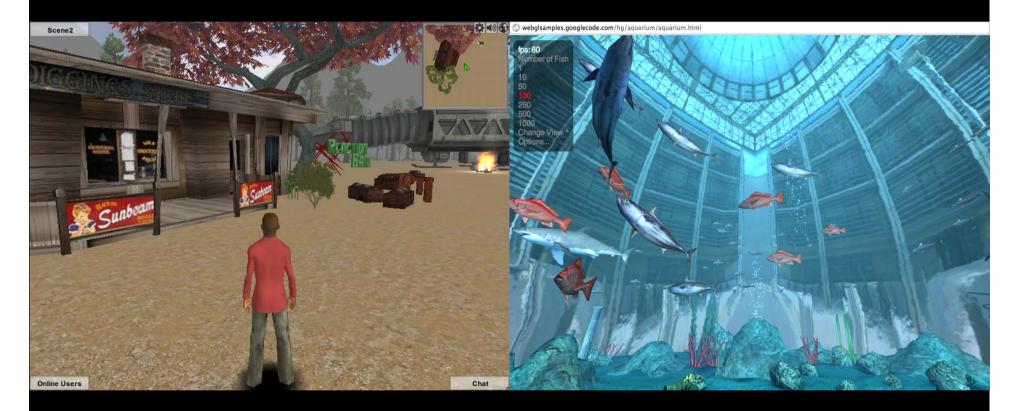
1,2 billion avatars have been registered so far, some of them quite mobile.



iPhone 2011 (Blue Mars Mobile), iPhone 2012 (?)



Think OpenSim, think WebGL, think Unity – the social web is coming alive in 3D.





Avatars have come a long way. How far can they go in collaboration, creation and immersive education?

Please join the discussion of our panelists.

Thank you very much for engaging and participating. Questions welcome:



Hanno Tietgens | Xon Emoto

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