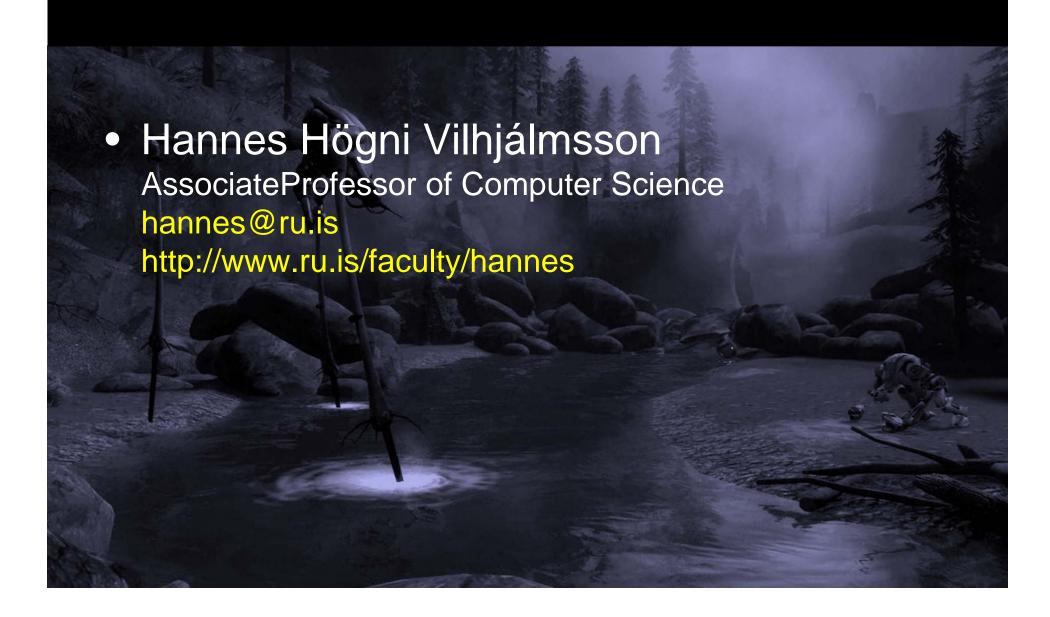
Theory and practice of VIRTUAL ENVIRONMENTS

class web site:

http://cadia.ru.is/wiki/public:t-vien-11-1:main (or find it at cadia.ru.is through external wiki)







Instructor

- 1991-1994 B.Sc. (CS), University of Iceland
- 1994-1995 Raflind
- 1995-2003 M.SC./Ph.D. (MAS), MIT Media Lab
- 2003-2006 Information Sciences Institute, USC
- 2005- Alelo Inc.
- 2006- Reykjavik University
- 2009- MindGames

1997



1999



2003



2004



Topic

 Theory and Practice of Virtual Environments

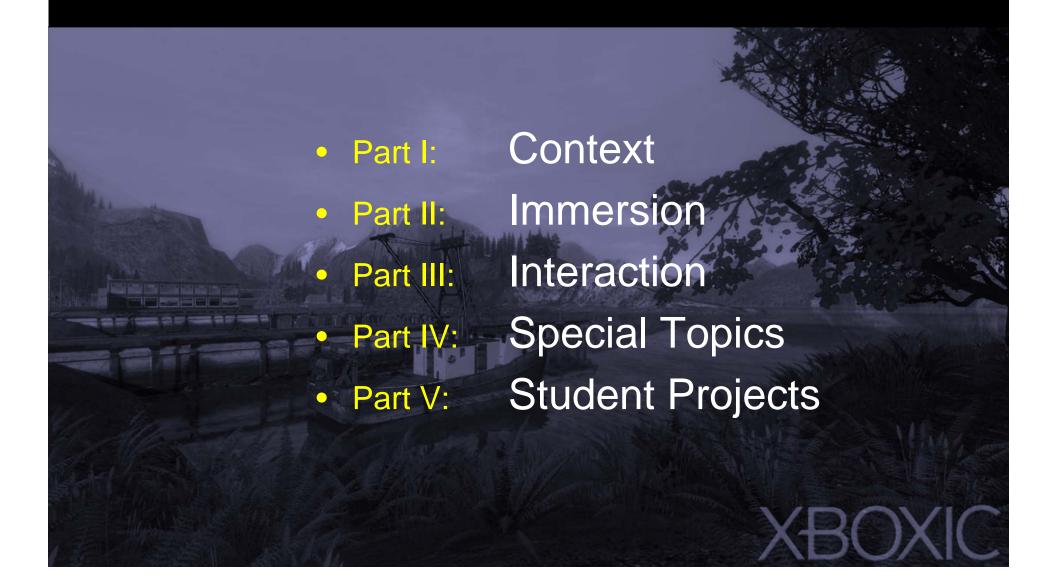
"Simulations that engage the senses and...

...create an experience of presence within an artificial world"

Learning Outcomes

- Know the what, why and hows of VEs
- Critical thinking and design considerations
- Understand how to measure effectiveness
- Use principles of good interaction in VEs
- Know types and techniques for characters
- Build VEs using a range of technologies
 (for a full list see wiki page)





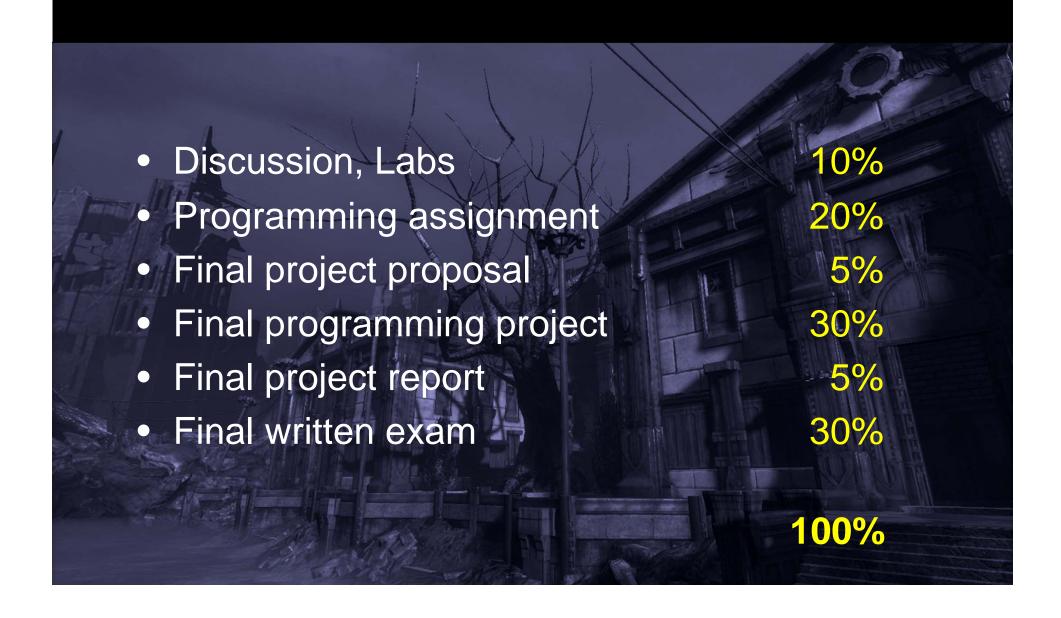
Classes

- Theoretical talks / Discussions
 - Wednesdays and Mondays
- Technical talks / Demonstrations
 - Tuesdays and Thursdays (morning)
- Student labs
 - Tuesdays and Thursdays (afternoon)

Discussion Prep

- You do research before the class
- During the class, you share your findings with other students in small working groups and get ready to present a conclusion to the full class
- Sometimes in the form of questions you work on in class and sometimes open discussions

Evaluation

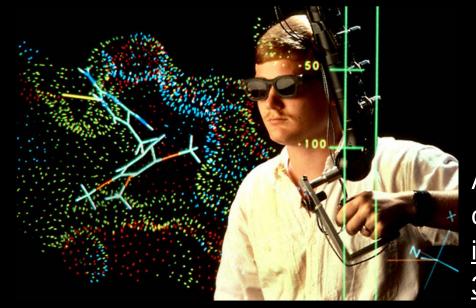


Availability



VIRTUAL ENVIRONMENTS

a glimpse

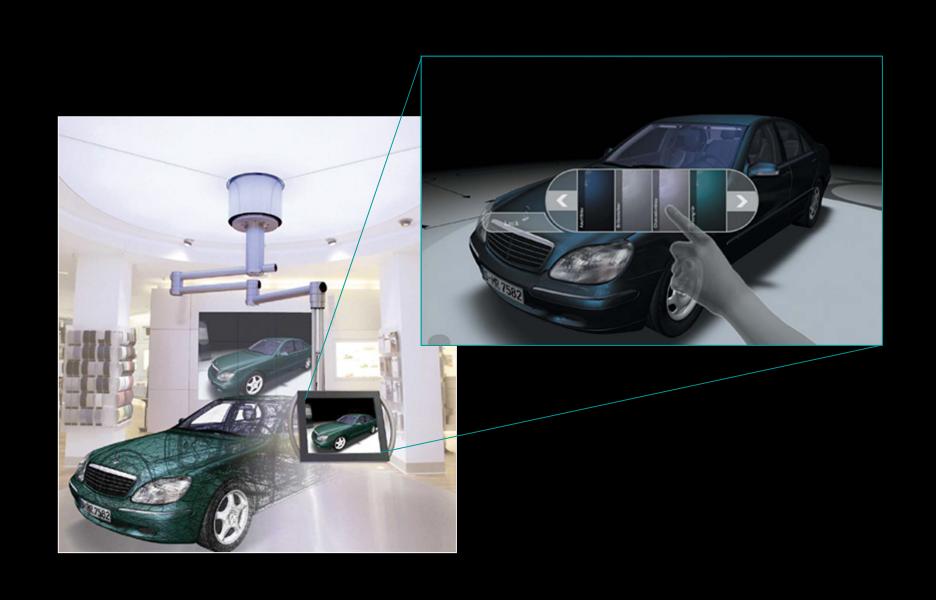


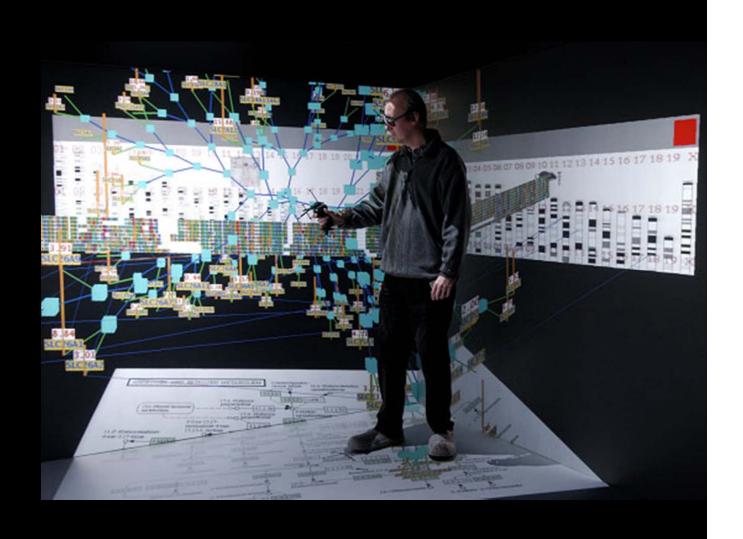
VIRTUAL ENVIRONMENT VIRTUAL REALITY

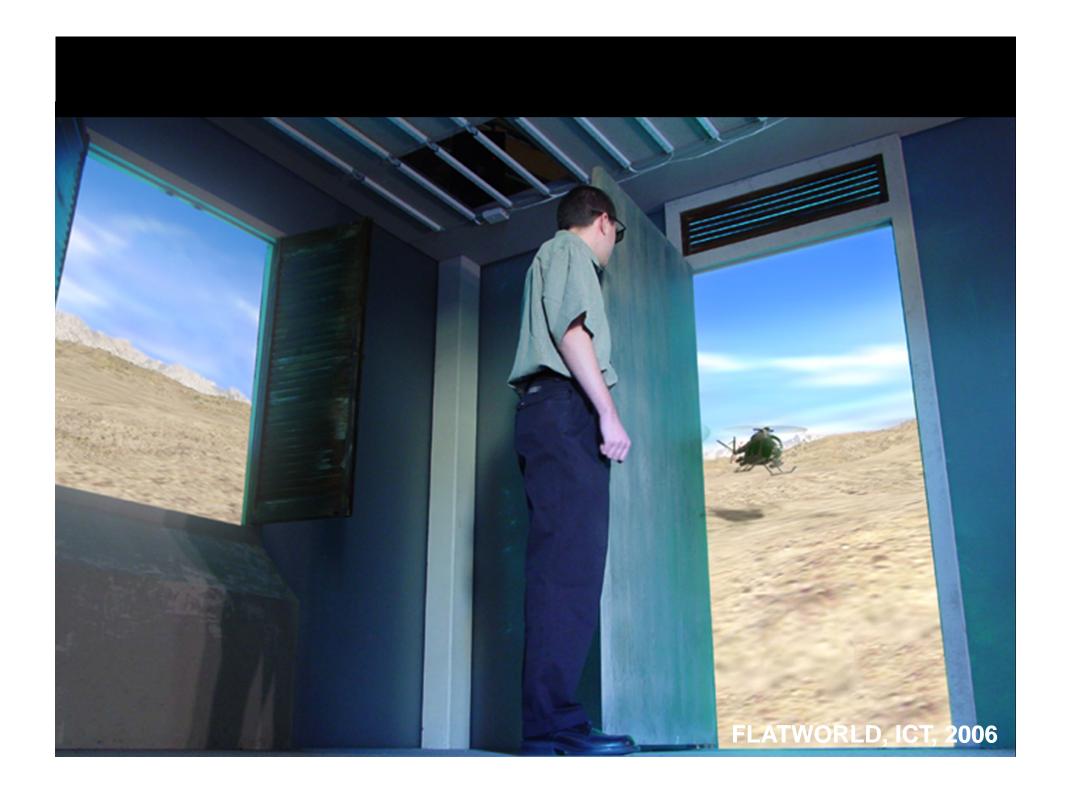
A VE / VR system is a humancomputer <u>interface</u> that provides <u>interactive immersive multisensory</u> 3-D <u>synthetic</u> environments.

Rory Stuart, 1993





















Assassin's Creed, UBISOFT, 2006



Mirror's Edge, DICE, 2008

