Overview

Serious Gaming Research

Centre for Learning Sciences and Technologies

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21 August 2012, Mini-seminar Virtual Worlds in Education, Informatica - CELSTEC
CELSTEC programma's

- Learning and Cognition programme
- Learning Networks programme
- Serious Gaming programme
- Mobile Learning programme

PhD Programme

Master of Science
Serious Games Programme
(Wim Westera)

1. Research tools & methods
2. Development cases
3. Education
Serious Games Programme

On going research, cases and education:

• EMERGO toolkit & methodology (‘all’)
• Collaborative Scripting Games (Hans)
• StreetLearn/ARLearn (Google StreetView) (Roland, Stefaan)
• Language Technologies, chatbot: Luctor (Peter – Bachelor stage)
• Wiki games (Peter)
• Sensors: Game-based Communication Skills (Kiavash – PhD)
• Game Learning Patterns (Sebastian – PhD)
• Case: Thermenmuseum (Unity) (Wen, Wim)
• Case: CHERMUG (research methods) (Peter)
• GALA (Network of Excellence) (Wim, Rob)
• Topic (Wim, Rob, Roland, Peter)
• Master course (Rob)
2. Development Tools & Methods

**EMERGO** (www.emergo.cc)

EMERGO is a method and toolkit for the development and delivery of multimedia cases that enable the acquisition of complex skills.

**Collaboration Scripts toolset** (prototype)

Collaboration scripts are an *instructional method* that structures the collaboration process by guiding the interacting partners through a sequence of interaction *phases* with designated *activities* and *roles*.

**StreetLearn/ARLearn** (toolkit)

ARLearn combines real time notification and mixed reality games across Mobile Augmented Reality and Virtual Reality. Three prototypical use cases: a field trip system, an augmented Google StreetView client called StreetLearn, and a real time crisis intervention game.
EMERGO
Skills Labs: Water Management (2010)

In Skills Labs student investigate environmental problems and conflicts between stakeholders and propose strategies toward sustainable solutions.
Collaboration Scripts toolset (prototype)
StreetLearn (ARLearn)

Architecture of the gallery

A visitor in the gallery is proud of her knowledge about the debate over the architecture of this building. She says, that a famous architect state: "Hier wil ik geen discussie over hebben, dit is mijn keus en ik denk meer goed". But she forgot who it was. Can you help?

From which architect was the quote?

A. ○ F.J. Dupont
B. ○ A. Bodon
C. ○ J.F. Staal
3D Thermen Museum Demonstrator
Luctor

Emergo chatengine simulator

**CONNECT**

Ah, pur, jij komt hier stage lopen. Welkom bij de poli seksuologie. Mijn naam is Luctor en ik werk hier als psycholoog/sexuoloog. Ik ben jouw begeleider voor de komende periode. Neem plaats... Ben je klaar voor een korte uitleg over stags bij onze poli?

**Tekst invoer:**
References/Links

EMERGO: www.emergo.cc


GALA (Network of Excellence) [http://www.galanoe.eu](http://www.galanoe.eu)