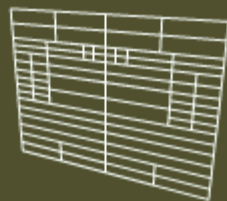


Workhop: Kontekst-sensitivitet og tagging teknologi

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Plan

- Kort introduktion
- Om kontekst-sensitivitet og visuel tagging (Kaj Grønbæk)
- Om BlueTooth baseret kontekst-sensitivitet (Peter Knudsen, BlipSystems)
- Om RFID tagging (Lau Rasmussen, Cordura)
- Erfaringsudveksling og diskussion

The background features a light green grid with a hand-drawn diagram in white. The diagram consists of several interconnected nodes and lines, forming a complex network. A hand is visible on the right side, pointing towards the diagram. The overall aesthetic is clean and modern, with a focus on interaction and design.

Context-awareness

"Definitions" of context (Dey)

- "Context is any information that can be used to characterise the situation of an entity. An entity is a **person**, **place**, or **object** that is considered relevant to the interaction between a user and an application, including the user and applications themselves."
- "A system is context-aware if it uses context to provide relevant information and/or services to the user, where relevancy depends on the user's task."

The background features a light green grid with a hand-drawn diagram in white. The diagram consists of a central circle with several lines radiating from it, and a larger circle to the right. A hand is visible on the right side, pointing towards the diagram. A dark green rectangular box is centered on the page, containing the title text.

Example Applications from Interactive Spaces

Concepts from the iSchool project

- HyCon – Context-aware hypermedia
- eBag – electronic schoolbag with proximity based login



Concepts from iHome

- Support integration of digital and physical media in home situations
- Interaction devices adjust to context



MediaTray:

RFID linking physical objects to digital media

- E.g. souvenirs to digital picture collection
- E.g. concert ticket to playlist



Example from WorkSPACE: Physical Hypermedia for Architects



Example from WorkSPACE: SitePack – mobile support for architects

- Integrating location based, registration, annotation and visualization



The background of the slide features a light green grid pattern. A hand is visible on the right side, with fingers extended as if interacting with the grid. A dark green rectangular box is centered on the slide, containing the title text. The bottom of the slide has a yellow horizontal line.

Context- Awareness Technologies

Examples of context-sensing technologies

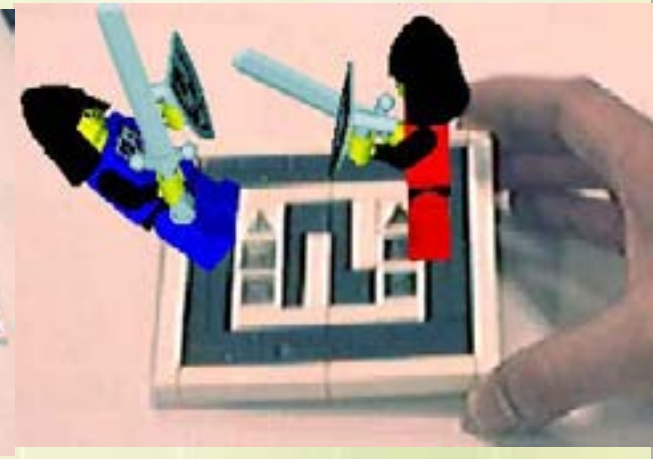
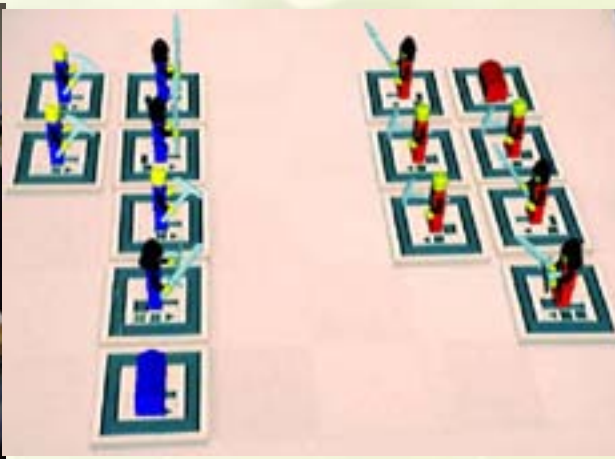
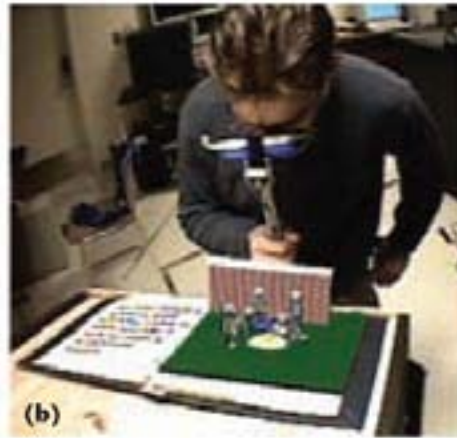
- Global Positioning System (GPS)
 - Location and movement
- Vision based tagging
 - Linking information to visual markers in the environment
 - Superimposing information on the physical world
- Radio-based tagging
 - Radio Frequency IDentifiers (RFID) and antennas in panels and tables
 - BlueTags and BlueTooth sensors



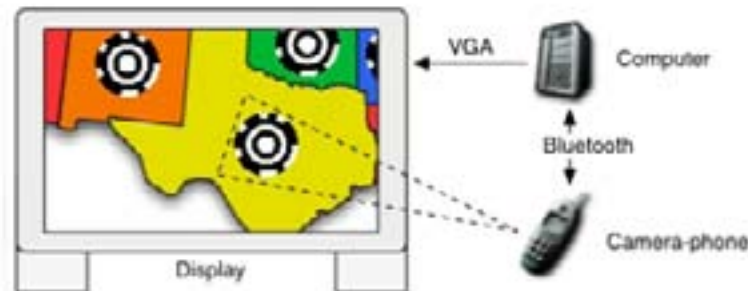
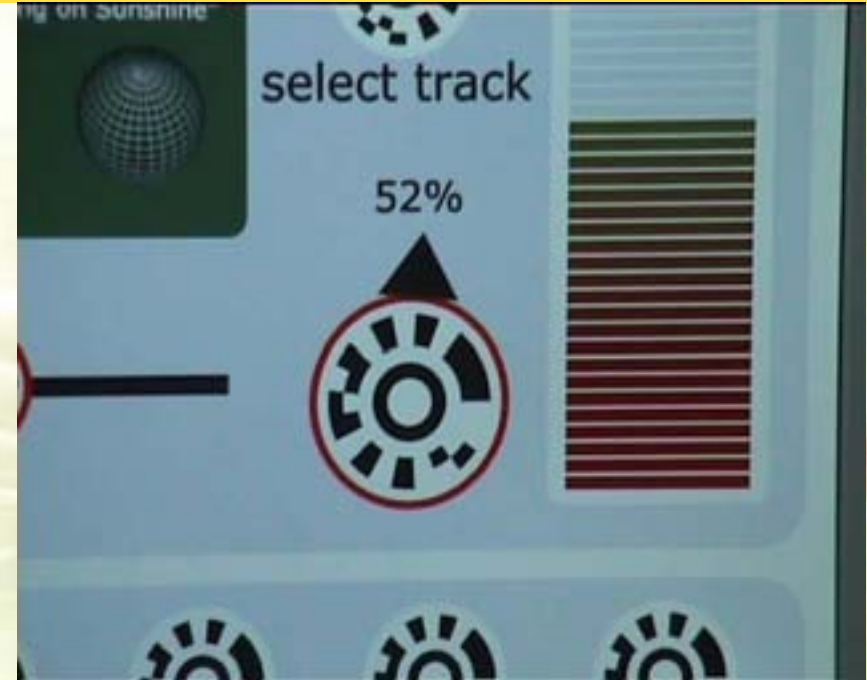
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Visual tagging

ARToolkit – Magic Books and Board Games



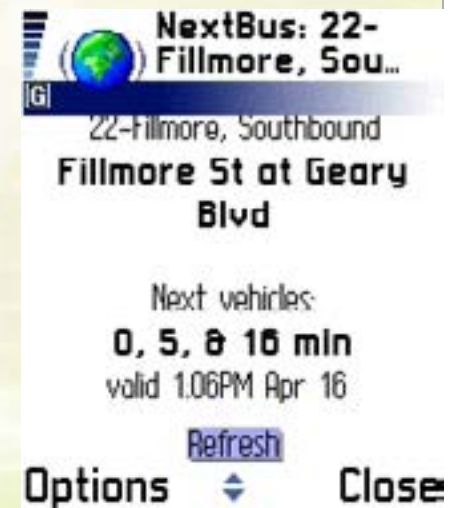
High Energy Magic - SpotCode



SemaCode



Southbound, 22-Fillmore
Fillmore St at Geary Blvd





Radio based tagging...