The DishJockey: Integrating Multimedia into Everyday Activities

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Conclusions

Multimedia can be integrated into everyday activities
Everyday activities can be made more artistic and enjoyable using digital media
Everyday activities differ from artistic performance, but can nevertheless be used as interfaces thanks to rich affordances

Tomorrow's man-computer interfaces might not only take metaphors as a basis for interaction, but also use the original physical objects themselves as a part of that interaction.

Innovative Interfaces

Limited interaction with ordinary computers inhibits innovative use of digital media
To further explore the possibilities with digital media, we have to find new ways of interacting with computers.
This question is, where do we find them?

Digital Media and Reality

Incorporating digital media with reality
Related work: augmented reality, ubiquitous computing, ambient and tangible media
Most work concentrates on how to make computers less obtrusive
This work seeks at exploring concepts and computers to make everyday life more fun and enjoyable

Using Activities as Interfaces

Much has been done on how to use multimedia to enhance artistic performance
However, few studies have looked at how different everyday performances might be made more artistic and enjoyable for the present task.
We probably do not want to alter our ordinary behaviour in order to control computer-based multimedia
We have to use natural affordances of everyday activities
The scenario described here is one such possibility to use affordances of activities

Scope

Innovative Interfaces

- Limited interaction with ordinary computers inhibits innovative use of digital media
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- This question is, where do we find them?

Using a Brush

- Rhythmical movements
- Already used in a musical context (e.g., jazz)
- Can also be used as a “holy” (i.e., drawing a circle in the air for the user to follow)
- A brush can also be used as a “holy” in a musical context (e.g., drawing a circle in the air for the user to follow)

The Affordances of Dishing

Using the brush to recover pieces of music is a lot easier than creating it from scratch
A combination of both creating and recovering music, might be the most interesting option

The Plat Rack - “Play Track”

Several spots or “playbacks” that can be used as a multi-track tape recorder
- When an object is put in the plate rack, the corresponding take of the user performance is played back
- If no object is taken from the plate rack, the take is muted
- If the user is not satisfied with a particular take, he or she can take the corresponding object from the plate rack and brush it again to do a re-take.

Plates, Glasses etc.

Music must often consists of parts (i.e., parts played by different instruments)
Different objects can “sound” different instruments
Using the dishes could also be like part of a part for part exploration of an existing piece of music

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