Performance Title

1. General information

Site: Vicenza

Context: Microelectronics Mess

Involved partners: DEI

Involved artists: none

2. Aim

It was an opportunity to show to the general public the main results achieved during the project MEGA. It has to be intended as a dissemination event.

3. Concept

Showing the state of the art of the DEI studies on multimedia research:

- Analysis MIDI audio (sonologic parameters);
- Analysis Video;
- Synthesis MIDI Audio;
- Multimodal Mapping.

4. Relation with MEGA

All the results of WP4 and WP6 achieved by the DEI were showed. In particular a demo showed also some mapping possibilities (WP7), in which the movement of the audience was used to control the expressive rendering of a musical performance.

This event has to be considered as a dissemination activity (WP9).

5. Technical description

5.1. Hardware and software set-up

A PC provided with a web cam and a sound card were used to show to the public the demos.

5.2. Description of the employed patches

5.2.1. Patch "gesture"

What it does: this patch analyses the gesture captured by the web cam of an actor (usually one of the public) to drive the expressive synthesiser.

How it works: some simple analysis of the movement were carried out (quantity of movement, speed) using the Motion Analysis library. In this way a simple Control Space was defined in order to drive the expressive synthesiser (**ExpressiveSeq** module).

5.2.2. Patch "spot of light"

What it does: this patch analyses the gesture captured by the web cam of an actor (usually one of the public) to drive the expressive synthesiser. In this case the stability of the system was improved by using a spot of light instead of the silhouette of an "actor".

How it works: some simple analysis of the movement were carried out (quantity of movement, speed) using the Motion Analysis library. In this way a simple Control Space was defined in order to drive the expressive synthesiser (**ExpressiveSeq** module).

6. Performance evaluation

The performances took place during the entire duration of the mess and reported a general consensus form the public, and also from the others expositors.