The 6th EyesWeb Week

Monday, July 2

| 09:00 – 12:30 | Welcome:  
|               | - Introduction to the Casa Paganini - InfoMus research centre.  
|               | - Brief introduction of each participant.  
|               | **Introduction to multimodal interactive systems:**  
|               | - Definitions, motivations, perspectives.  
|               | **A multi-layered framework for multimodal systems.**  
|               | **Introducing EyesWeb:**  
|               | - Motivations, requirements, evolution.  
|               | - EyesWeb XML: components and GUI.  
|               | **Development of simple patches**  
|               | - Simple video and audio input, processing, and output.  
| 14:00 – 16:30 | **Inside research at Casa Paganini – InfoMus.**

Tuesday, July 3

| 09:00 – 12:30 | **Capturing physical movement signals:**  
|               | - Capture devices: motion capture systems, RGBD devices, video cameras, and sensor systems.  
|               | - Introduction to motion capture systems.  
|               | - Retrieving data from RGBD devices: Kinect.  
|               | - Retrieving data from video cameras: background subtraction and motion tracking.  
| 14:00 – 16:30 | **Inside the mind using EyesWeb.**

Wednesday, July 4

| 09:00 – 12:30 | **Extracting low-level movement features:**  
|               | - Introduction to low-level features.  
|               | - Features from 3D Kinect trajectories.  
|               | - Features from 2D video analysis.  
| 14:00 – 16:30 | **Inside a motion capture session using EyesWeb.**

Thursday, July 5

| 09:00 – 12:30 | **Extracting mid-level movement features:**  
|               | - Motion and gesture segmentation: problem and approaches.  
|               | - Extracting mid-level features from single motion segments and on sliding windows.  
|               | - Vocabularies of movement qualities; an example: introduction to R. Laban’s Theory of Effort.  
|               | - Analysis in the General Space.  
| 14:00 – 16:30 | **Inside sonification using EyesWeb.**  
|               | - Seminar by Andrea Cera

Friday, July 6

| 09:00 – 12:30 | **Analysing multiple users:**  
|               | - Introduction to analysis of social interaction.  
|               | **Developing interfaces to EyesWeb patches:**  
|               | - Using the EyesWeb Mobile tool for developing graphical user interfaces for EyesWeb patches.  
|               | **Questions and open discussion.**

**On demand:** parallel session on EyesWeb SDK and programming (for participants skilled in C++).