

2nd EyesWeb Week 2008

InfoMus Lab – Casa Paganini, University of Genoa
Piazza Santa Maria in Passione, 34 - 16123 Genova, Italy
11th – 15th February 2008

www.casapaganini.org

www.infomus.org

www.eyesweb.org

P R O G R A M M E

Monday 11 February 2008

09:00 - 9:30 Registration

09:30 - 10:00 Welcome and introduction to the EyesWeb Week 2008

InfoMus Staff

10:00 – 13:00 Session on “Networked Performance” – the CoMeDiA Culture 2007 EU Project

10:00 – 11:00 Plenary talk: Andrew Gerszo, Ircam, Comedia Coordinator

11:00 – 11:30 break

11:30 – 13 Panel, Chair Andrew Gerszo

Participants: CoMeDiA Partners, Patrizia Conti (Director Music Conservatory of Genoa “N.Paganini”, and Director of “Polo del Mediterraneo per le Arti”, Genova).

13:00 - 14:30 Lunch

14:30 – 15:30 Introduction to EyesWeb XMI (incl. demos)

A.Camurri, P.Coletta, G.Volpe – InfoMus Lab

15:30 – 18:00 Parallel tracks:

(i) EyesWeb Programming, Chair Paolo Coletta, with InfoMus Staff and guest researchers

How to build new blocks and datatypes in EyesWeb XMI

(ii) Research and Artistic EyesWeb applications. Lectures by InfoMus Staff

How to build a patch in EyesWeb XMI; datatypes, I/O, generators, blocks taxonomy

Tuesday 12 February 2008

09:00 - 10:00 Nicola Bernardini

Plenary Lecture.

“Developing Free Software: constraints, rights and freedoms”

10:00 – 10:30 Coffee break

10:30 – 13:00 Parallel tracks:

(i) EyesWeb Programming, Chair Paolo Coletta, with InfoMus Staff and guest researchers

Development of a block in EyesWeb XMI

(ii) Research and Artistic EyesWeb applications. Lectures by InfoMus Staff

Build examples of patches to process videocamera images in real time.

13:00 - 14:30 Lunch

14:30 - 15:30 Presentation of projects by participants

15:30 -18:00 Parallel sessions on experiments (1):

(1) Artistic/Musical, Interaction Design: the project "Musical Meta-Morphologies" by Scuola di Musica e Nuove Tecnologie ("Niccolò Paganini" Music Conservatory). A project on the design of a hands-on for the exploration of some aspects of the tradition of electroacoustic music.

Chair: Roberto Doati, Music Conservatory of Genoa; with Barbara Mazzarino, Alessandro Fausto, InfoMus Lab.

(2) Modeling and analysis of gesture; collaborative interactive systems: expressive interaction: from the tangible acoustic sensitive table to a multiuser full-body tracking of expressive qualities.

Chair: Gualtiero Volpe, with InfoMus Staff and Alexander Jensenius.

(3) Design of a research experimental setup for the tracking of cues (gestural, physiological, audio) **from string music performers.** The experiment is on music emotions, the study of empathy and entrainment.

Chair: Antonio Camurri and Giovanna Varni. With Ben Knapp (SARC, Univ. of Belfast), Esteban Maestre (PFU, Barcelona), Leon Van Noorden (IPEM, University of Gent), and InfoMus Staff. With the participation of *Quartetto di Cremona*, in a informal panel discussion on measuring empathy and emotion from gesture in music performance.

18:00 - 18:30

Finalization of the day, exchange/report among projects.

Wednesday 13 February 2008

09:00 - 10:00

Plenary Lecture. Alexander Jensenius, Oslo University

Motiongrams and research on gesture at Oslo University

10:00 – 10:30 Coffee break

10:30 – 13:00 Parallel tracks:

(i) EyesWeb Programming, Chair Paolo Coletta, with InfoMus Staff and guest researchers
Development of a block for motiongrams (with A.Jensenius)

(ii) Research and Artistic EyesWeb applications. Lectures by InfoMus Staff
Techniques for background subtraction

13:00 - 14:30 Lunch

14:30 – 15:30 Plenary Lecture: Alvis Vidolin, Music Conservatory of Venezia

Experiences with EyesWeb and gesture analysis in music theatre productions

14:30 – 15:30 Plenary Lecture: Leon Van Noorden, IPEM-University of Gent.

Music and Movement

16:30 - 18:00 Parallel sessions on experiments (2):

(1) Artistic/Musical, Interaction Design: the project “Musical Meta-Morphologies”;

(2) Modeling and analysis of gesture in artistic applications.

(3) Design of a research experimental setup.

18:00 - 18:30 Finalization of the day, exchange/report among projects.

Thursday 14 February 2008

09:00 - 10:00 plenary Lecture: Esteban Maestre, MTG - Pompeu Fabra University, Barcelona

Bowed-string instrumental gesture analysis and modelling for sound generation

10:00 – 10:30 Coffee break

10:30 – 13:00 Parallel tracks:

(i) EyesWeb Programming, Chair Paolo Coletta, with InfoMus Staff
Development of a block for real-time audio analysis (with E.Maestre)

(ii) Research and Artistic EyesWeb applications. Lectures by InfoMus Staff
Tracking of blobs, expressive motion analysis

13:00 - 14:30 Lunch

14:30 – 15:30 plenary lecture: Tril Centre,

Applications in independent living with EyesWeb -MOBIUS

15:30 - 17:30 Parallel sessions on experiments (3):

(1) Artistic/Musical, Interaction Design: the project “Musical Meta-Morphologies”;

(2) Modeling and analysis of gesture in artistic applications;

(3) Design of a research experimental setup. With the participation of violinists from the Music Conservatory of Genoa for demos on experiments on multimodal measures on musicians.

18:00 - 18:30 Finalization of the day, exchange/report among projects.

Friday 15 February 2008

09:00 - 10:00 Plenary Lecture: Ben Knapp, SARC – Queens University of Belfast

Studies on music and emotions based on measurements of physiological signals in music performers

10:00 – 10:30 Coffee break

10:30 – 11:30 Plenary lecture: Johan Issartel, Univ Montpellier and SARC-Univ.Belfast

Techniques for measuring synchronisation among dancers

11:30 – 13:00 Parallel tracks:

(i) EyesWeb Programming, Chair Paolo Coletta,

Development of mobile EyesWeb Applications (with Ben Knapp, researchers from Tril Centre and InfoMus staff members)

(ii) Research and Artistic EyesWeb applications. Lectures by InfoMus Staff

Audio analysis and multimodal processing; demos integrating EyesWeb XMI with other systems (e.g. PD, Max/MSP)

13:00 - 14:30 Lunch

14:30 - 17:30 Parallel sessions (4):

(1) Artistic/Musical, Interaction Design: the project “Musical Meta-Morphologies”;

(2) Modeling and analysis of gesture in artistic applications;

(3) Design of a research experimental setup . With the participation of violinists from the Music Conservatory of Genoa for demos on experiments on multimodal measures on musicians.

17:30 - 18:30 Conclusion of the EyesWeb Week 2008, final discussions.