Sound and Music Computing '05

XV CIM - Nov. 24-26 2005, Salerno, Italy

smcos

SMC '05
Sound synthesis, representations and environments

SMC is an international conference supervised jointly by AIMI (Associazione di Informatica Musicale Italiana) and AFIM (Association Française d'Informatique Musicale). It aims at promoting exchanges between European countries around topics related to sound and music computing.

The first edition of the conference, SMC '04, took place in Paris, at IRCAM, in october 2004. It replaced the 11th edition of JIM (Journées d'Informatique Musicale), organized every year by AFIM, since 1994. SMC '05 is the second edition. It will take place at the University of Salerno and will replace the 15th edition of CIM (Colloquio di Informatica Musicale), organized every other year by AIMI, since 1983.

The main topics of this second edition are ideally organized around different concepts of representation of sound, from the very symbolic attempts to establish an efficient notation of electro-acoustic musics, to the mathematics of time-frequency, and their manifold relations with various categories of synthesis and of classifications in terms of sounding objects. One of the main ambitions of the conference is to encourage confrontation and exchange of ideas between different research communities. The role of space is emphasized, intended either as the physical space, in which sound unfolds, or as a humanly-built environment, trough which the sonic information is organized and understood.

Special topics

Sound synthesis
Physical modeling, nonlinear distortion, spectral modeling, time-frequency synthesis, wavefield, non-traditional synthesis methods

Performance and controls
Interfaces (graphical, gestural, visual, tactile, audible,...) and dynamic control,
physically based description and control of sound synthesis and of auditory images
in space, network/distributed applications (composition, sound synthesis, performance),
modeling of complex sonic events and of environmental sonic contexts, techniques of
live electronics

Representations of sound
Symbolic representations and notations of electroacoustic music, sound protocols and
audio formats, manipulation of sound (algorithmic, graphical), acoustic compilers and
languages for signal processing, integrated frameworks for music composition and
synthesis, mathematics of time-frequency representations (wavelets, Gabor grains, ...)

What makes computer music computer music
Round table organized and directed by Martin Supper
November 24th, 10-12

Participants: A. Arteaga, R. Dapelo, O. Finnendahl, M. Harenberg V. Straebel, A. Vidolin, L. Zattra

What Makes Computer Music Computer Music? An observation: if you grill a chicken in a modern, computer-controlled electric oven, the result will be neither more nor less than grilled chicken. It is not "computer chicken." Applying this observation to music-to the use of computers for musical tasks-demands that one ask the question, "what makes computer music computer music?"

Concerts and Installations

Audio/video installation, *University of Salerno, Auditorium, Free Entrance*
Davide Morelli **Orme**

Audio installation, *University of Salerno, Auditorium, Free Entrance*
Benoit & Co. **Graffitis sonores**

Sound installation (women voices) in the toilets for men.
The man goes alone to the toilets, it is a necessary stage which is repeated at different times during the day, each time loosing something. "Sound Graffiti" will replace the texts usually written on the walls or the door and will provide a new context. The customer passes quickly in this space, and will be distracted during a short, fast moment, somehow like the Proust's cake (madeleine) which will rock him into another dream, or another thought, preferably directed towards childhood. In any case, something different than the world that's awaiting him behind the door, his girlfriend for example.

Concert
November 25th, 20:00 *University of Salerno, Auditorium, Free Entrance*

Music by: Alex Arteaga, Boris Baltschun & Serge Baghdassarians, Orm Finnendahl, Michael Harenberg, Boris Hegenbart, Alvin Lucier, Volker Straebel, Martin Supper, NN

Interactive Sessions / Demonstrations

Participants: Fabio Cifariello Ciardi, Antonio De Santis, Georg Essl, Samuel Rousselier, Casey Reas

University of Salerno - Aula Magna - Teatro
Further Information: http://www.smc05.unisa.it