

eNTERFACE 2005 Daily

Friday, August 5th

Computer music

Computers rendering body music



To pursue the topic of yesterday, we have a look now on project #3, which analyses EEG (ElectroEncephaloGram) signals to create new sounds. Rémy, bassist, and Cédric, playing jumble and digeeridoo, worked on the same Master's thesis by interpreting EEG signals and discovering brain mysteries.

With eNTERFACE, they have mixed their hobby and research. After almost three weeks, team #3 produces already some sounds but expects better results in the following days. They can only control a few parameters such as alpha signals when people open/close eyes and another parameter linked to hands motion. Rémy and Jean-Julien, pianist, bassist and accordionist, are convinced that it could become an instrument once it will be more controllable. Cédric plans to study the impact of apparently random signals coming from the brain in EEG signals. He would like to understand if they are only Gaussian noise or useful information to include into the music generation. As future works, he plans also to analyse biological sounds related to breathing or blood flow.

Burak's expectations are even further: he hopes, one day, to translate artists' musical thoughts into real music with no special mental load from the artist.

Body music and Philosophy

Lecturer in "computation arts" in Canada and UK, Andrew has a strong background in arts in general, including music as a guitarist, a bassist and more. He is also at ease with art events and could have been the author of City Sonics, the exhibition which took place at Faculté Polytechnique of Mons until the end of July. He created the link between arts and

computer science in an intentional way. Fond of maths, he mixed science and arts using computers to extract the creativity from m a t h s ! Project #3 where he is involved is very cor-

related to his recent works. Andrew makes plants sing! Human bodies and plants are living beings with internal electrical signals. He actually captured the internal music of plants in the same way as from human bodies by using EEG signals.

Andrew enjoys life peacefully and appreciates listening to nature and to observing things around him. He feels that one's sensitivity to his/her surrounding is of major importance, and

should be emphasized. It is not the only reason why he is vegetarian but if everybody could be vegetarian, he would feel better!

Céline & Matei

Killer II Pro -Back to paranoia-

St. Peter's report is clear. Most of the Killer game participants are now in Heaven (even if some of them ... as wives killing their own husbands are in Hell). Only six survivors are still alive after the massacre. Among them we have the evil genius, Philipe, who killed 5 innocents. But the ancient rule is clear: at the end of the Times, only ONE will survive and get the quaking (cf. Highlander). In order to let this prophecy become true, a second killer game already begun between the professional killers. But as these ones know each other, some of the victims could come back to life and participate to the Final Killer. In this way some potential killers are unknown, so be aware : death could be everywhere!

eNTERFACE forever

Let this sunny day be written in our computers memory as it is already written in our heart ;-) A picture of all eNTERFACE'05 participants was taken yesterday in front of the FPMs buildings. As you can see, even bronze turned into human beings! This is the eNTERFACE power!

