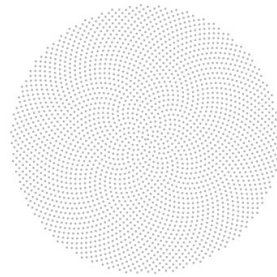




Ambisonics-Xchange Concert



Martin Neukom

Studien 18.1

Studien 18.3

Studien 18.6

Studien 18.9

Studien 18.11

(Bandstücke in Ambisonics 2D, 5. Ordnung)

Jan Schacher

Live-electronic Performance

Montag, 19.5.2008, 20 Uhr, IEM CUBE, Inffeldgasse 10/3, 8010 Graz

In connection with the Ambisonics Xchange meeting for exchanging ideas on distribution, dissemination, streaming and performing Ambisonics art between different implementations of Ambisonics systems, a concert will be prepared including works from Martin Neukom and Jan Schacher.

In Studie 18, Neukom takes a natural and mathematical phenomenon, the golden ratio, as the basis for the patterns in his thirteen studies, all 3.19 minutes in length. The golden ratio, a mathematical constant, is at the centre of many aspects of beauty and regularity in nature, science, art and architecture, as well as being a core component of the minimalism, preciseness and refined aesthetics of Neukom's compositions.

In the 18.x studies, series of sounds are arranged regularly in space and in the parametric sound space. The rules that generate pitches, spectra, time and location of the individual sounds are very simple but are chosen in such a way that structures emerge out of the regular stream. In all the studies, the organization of the pitches is the same: it follows the same principle as the arrangement of the seeds, leaves or thorns of certain plants. The arrangement of sound in space is realized with the Ambisonics surround system. In the different studies, duration, loudness, spectrum, location and movement of the individual sounds and various parameters of the arrangement of the pitches and of the density

are varied.



Martin Neukom was born in 1956. He studied musicology, mathematics and psychology at the University of Zurich, music theory at the Musikhochschule Zürich and choral conducting at the Kantorenschule Zürich. He works as a teacher of music theory and as a composer. He is engaged in sound synthesis and composition with computers. He was commissioned by the HMT (Hochschule Musik und Theater Zürich) to write the book „Signale, Systeme und Klangsynthese - Grundlagen der Computermusik“, which was accepted as his doctoral thesis by the University of Zurich. He is head of the Computer Music department at the Institute for Computer Music and Sound Technology ICST.

Live-electronic Performance

Jasch's live-performance joins real and virtual instruments with new interfaces to fill a three dimensional sonic space.

Musical gestures are transformed temporally, sonically and spatially to create a composition that crosses musical domains and comes together in one sweeping arc.

JAN Schacher

A doublebass-player, composer and digital artist, Jasch is active in electronic and exploratory music, in jazz, contemporary music, performance and installation art with a background in jazz and contemporary music. His main focus is on works combining digital sound and images, abstract graphics, music and live-performances.

Jasch has been invited as artist and lecturer to numerous cultural and academic institutions and has presented installations in galleries and performances in clubs and at festivals such as Résonance Festival (Paris), Sonar Festival (Barcelona), Transmediale Festival (Berlin), the Holland Festival (Amsterdam) and many other venues throughout Europe, North America, Australia and Asia.

In addition to performing, Jasch is also a Researcher at the Institute for Computer Music and Sound Technology of the Zurich University of the Arts.



Open CUBE – Kalendarium

27.05.08 20h00 – Hauke Harder, Three Lines and a Walk, Nicht-Lineares in Arbeiten
von Alvin Lucier und Hauke Harder

Details zur Open CUBE Konzertreihe unter:

http://iem.at/services/events/events_2007/opencube0708