

institut für elektronische musik und akustik



Open CUBE – Konzertreihe

LIES (distance/incidence)

Dario Sanfilippo



Dienstag, 14.05.2013, 20 Uhr, IEM CUBE, Inffeldgasse 10/3, 8010 Graz

In Zusammenarbeit mit der Gesellschaft zur Förderung von Elektronischer Musik und Akustik – GesFEMA

LIES (distance/incidence)

LIES (distance/incidence) is a human-machine interaction improvised performance implementing complex dynamical systems based on analog and digital nonlinear feedback networks. The digital network consists of sound processing units where feedback coefficients are below the self-oscillating threshold, and where each unit has a different sensitivity to the intensity and spectral profile of input signals. The analog feedback network, englobing the digital network, consists of microphones and loudspeakers. When enough amplification is provided, self-oscillation occurs and the digital network enters an operating state: the two interdependent and interacting networks act as a single sound generator. No randomness or automated processes are implemented in the system, yet short- and long-term dynamical and unpredictable behaviors will be exhibited, where sound affects itself and autonomously evolves through time. The performer interacts with the system through the microphones by varying the distance from the loudspeakers (the feedback coefficient) and the angle of incidence with which they capture sounds (filtering), thus altering the relation the system has to itself, and exploring the anti/resonances of a 3D environment which is constantly mediating the whole process.

Dario Sanfilippo

Dario Sanfilippo is a freelance composer, performer and sound artist whose research is focused on the study and exploration of complex dynamical feedback systems for non-conventional sound synthesis, improvised human-machine interaction performances, and autonomous sound installations.

His works and researches have been presented in international festivals and contemporary music events such as AudioArt Festival, CurvaMinore Festival, Acoustic Fields Festival, AudioVisiva Festival, Quiet Cue concert series, Live!iXem Festival, as well as Universities like Naples' L'Orientale, Bangor University, Queen Mary University of London; they have been selected for international conferences like International Computer Music Conference 2012, Sound and Music Computing 2011, Digital Music Research Network 2011, Colloquium of Musical Informatics 2010 and 2012, INTER/actions Symposium 2012, and they have been published for record labels such as Creative Sources, Die Schachtel and Idroscalo.

In 2005, his work "Chitarra Acustica Improvvisamente Stravolta" was selected for Live!iXem2005 from a board made up of Phill Niblock, Xavier Querél, Jeremy Bernstein and Domenico Sciajno; in 2007, "Pasto Nudo", a collaboration with singer Costanza Paternò was finalist in the Italian National Art Award; and in 2012, his research paper "Towards a Typology of Feedback Systems", co-written with Andrea Valle, was the Best Paper Award winner at the International Computer Music Conference 2012. An expanded version of such paper is due to be published on Computer Music Journal, and he will soon publish an article on Interference Journal of Audio Culture.

In the course of the years, he has collaborated with artists such as Tim Hodgkinson, Thomas Lehn, Cat Hope, Peter Katin, Andrea Valle, Birgit Ulher, SEC_, Chris Galarreta.

He graduated in Music and New Technologies at the Conservatory of Trapani, and he is nowadays attending the Master's course in Electronic Music at the Conservatory of Naples, in the class of Agostino Di Scipio.

Open CUBE – Kalendarium

29.05.13 19h00 – Open CUBE Concert , Studierende der LV “Sonifikation - Sound of Science” von Katharina Vogt

04.06.13 18h00 – Open CUBE Concert with Marij Van Gorkom: Bass Clarinet and Electronics

18.06.13 20h00 – Open CUBE Concert , Studierende der LV "Komposition Computermusik" von Marko Ciciliani

25.06.13 18h00 – Open CUBE Concert , Studierende der LV “Live-Elektronik” von Peter Plessas

27.06.13 20h00 – Open CUBE Concert , Kulork- Kunst Uni Graz Laptop Orkestra Studierende der LV “Instrumentalmusik und Live-Elektronik” von Visda Goudarzi

Details zur Open CUBE Konzertreihe unter:

<http://iem.kug.ac.at/veranstaltungen/open-cube.html>