

Monday May 3

Papers & presentations

Field Report: A pop production in Ambisonics - Jörn Nettingsmeier

This paper describes a pop production in mixed-order Ambisonics, with an ambient sound field recording augmented with spot microphones panned in third order. After a brief introduction to the hard- and software toolchain, a number of miking and blending techniques will be discussed, geared towards the capturing (or faking of) subtle natural ambience and good imaging. I will then describe the expected struggle to make the resulting mix loud enough for commercial use while retaining a natural and pleasant sound stage and as much dynamics as possible.

5 years of using SuperCollider in real-time interactive performances and installations - retrospective analysis of Schwelle, Chronotopia and Semblance - Marije Baalman

Collaborative, interactive performances and installations are a challenging coding environment. SuperCollider is an especially flexible audio programming language suitable to use in this context; and in this paper I will reflect on 5 years of working with this language in three professional projects, involving dance and interactive environments. I will discuss the needs and context of each project, common problems encountered and the solutions as I have implemented them for each project, as well as the resulting tools that have been published online.

Applications of Blocked Signal Processing (BSP) in Pd

- Frank Barknecht

Sample processing in Pure Data generally is block-based, while control or message data are computed one by one. Block computation in Pd can be suspended or blocked to save CPU cycles. Such “blocked signals” can be used as an optimization technique for computation of control data. This paper explores possible applications for this “Blocked Signal Processing” (BSP) technique.

OrchestralLily: A Package for Professional Music Scores (with LilyPond and LaTeX) - Reinhold Kainhofer

LilyPond [Nienhuys and et al., 2010] and LaTeX provide excellent free tools to produce professional music scores ready for print and sale. Here we present the OrchestralLily package for LilyPond, which simplifies the creation of professional music scores with LilyPond and LaTeX even further. All scores are generated on-the-fly without the need to manually specify the structure for each individual score or part. Additionally, a LaTeX package for the prefatory matter is available and a templates system to create all files needed for a full edition is implemented.

Workshops

Chuck - Kassen

A session on the Chuck programming language. How a more intimate familiarity with the workings behind synthesis can increase our options and how a DIY approach to instruments may force us to think more deeply about what we ourselves want, musically (as opposed to what's offered commercially).

Making Waves - Micz Flor, Adam Thomas

A workshop introducing Campcaster, an open source radio management application for use by both small and large radio stations (yes, real radio stations, not internet radio) to schedule radio shows.

Learn the first steps of operating a radio station, including scheduling, live studio broadcast, play-out and even remote automation and networking via the web, all using free software. The workshop will take participants through hardware set-ups, software installations and studio configurations, resulting in the creation of a fully-functioning Linux Audio Conference station.

The workshop will be led by Micz Flor and Adam Thomas, key members of Sourcefabric. Sourcefabric is a new organisation formed by the team behind Campcaster, which has been developing open source solutions for independent media in developing countries for more than 10 years.

Number of places: 8

Requirements: Ideally, but not essentially, participants should bring their own laptop with Linux installed

Links:

* <http://www.sourcefabric.org>

* <http://campcaster.campware.org/>

Campcaster packages are available for Debian and Ubuntu (Lucid and Karmic) at <http://robin.linuxaudio.org/deb/>

Composition Competition - Than van Nispen tot Pannerden

For a description: see elsewhere in this edition

Key Signing II - Robin Gareus