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At a Glance

Sunday

Monday

Tuesday

Wednesday

Thursday

Friday

Concert

Sonification Concert

Wednesday, June 13th 6pm
Rozsa Center for Performing Arts

Fluor Sonescence (PDF (http://icad2018.icad.org/wp-content/uploads/2018/06/ICAD2018_paper_37.pdf))

Christopher Jette and Mark Broschinsky

Fluor Sonescence is a work for trombone, electronics and video, where sounds are translated to video and the videos are translated to sounds. The video documentation includes the video and sound components of the work. Please see <https://vimeo.com/255790972/> (<https://vimeo.com/255790972/>) to hear and view Fluor Sonescence.

Temple of No Religion (PDF (http://icad2018.icad.org/wp-content/uploads/2018/06/ICAD2018_paper_35.pdf))

Alessio Rossato

Piece created with material recorded at Villa Smilea of Montale Pistoiese (Tuscany-Italy), where Andrea Dami's metal and sheet metal sculptures were sampled in various recording sessions including short improvisations. The sculptures were played in different ways, from the naked hands to wooden sticks, metal, rubber, with different thickness chains etc... and different types of

microphones were used with "active" recording mode, searching different sound and position in the sculptures. The piece consists of five sections, the composition process is based on the concept of musical sculpture: from section I, four repetitions/ variations have been made in which each one is based on precise focused music. The title is inspired by a building *Iglesia sin Religion* by Colombian architect Simón Vélez, a cathedral-temple built only with bamboo canes, simple material and with Attention to eco- sustainability and that contradicts, at least in this work, the monumentality and functionality of the building itself...

Planthesizer (PDF (http://icad2018.icad.org/wp-content/uploads/2018/06/ICAD2018_paper_43.pdf))

Adrián García Riber

The exponential increase in virtual instruments development and their popularity and establishment as part of the current workflow on audio productions, both in home studios and professional environments, creates a new opportunity in bringing science to the general public and designing audio tools based on physical or mathematical models of undoubted creative and artistic utility. In this context, the publication of the discovery of seven Earth-like planets orbiting around the Trappist-1 star on February 2017, inspired the creation of a model-based virtual instrument. As a result, the Virtual Interactive Synthesizer prototype Planthesizer is presented, whose default configurations display a multimodal Trappist-1, Kepler-444 and a K2-72 planetary systems simulation. With the development of this astronomical data interactive sonification VST plugin, this work also tries to suggest a possible line of interdisciplinary audio tools development.

Atlas Of Uncertainty (PDF (http://icad2018.icad.org/wp-content/uploads/2018/06/ICAD2018_paper_36.pdf))

Massimo Vito Avantaggiato

This paper regards the interaction of electroacoustic music with visual elements, outside real time hypotheses. In particular, this writing tries to suggest how analysis techniques for acousmatic music can help - without the presumption of being general or strictly objective – the creative process for achieving any audiovisual work. In the following article we face the following issues:

- Audiovisual works, repetition and multilevel composition;
- The metaphorical relationships between video and audio;
- Semiotic Units, discretization and sense of form;
- On time management/ temporality;
- The spatial reevaluation of sonic and graphic details;
- The importance of coordination with analysis techniques for acousmatic music.

We identified some guidelines followed in the achievement of our recent work "Atlas of Uncertainty", to exploit the potential of sound at different levels of structuration.

Flow

Christopher Plummer

This piece is part of a series based on the yearly flow of Michigan Rivers. This project started by the research scientist converting the flow data into a series of sine waves. This then left the artistic task of contextualizing and harmonizing this collection of beeps into something engaging, something that effected an audience. Three methods have been used to connect with an audience. The first was to smooth out the sine waves and increase the complexity of their timbre. Second was the creation of a background of harmonic support, for this water sounds were added and processed to hold the melody and create a full sound stage that added depth and richness to the composition. Finally, for ICAD a trombone part was added that maps the counters of the melody and helps highlight the flow trends.

Snowfall (PDF (http://icad2018.icad.org/wp-content/uploads/2018/06/ICAD2018_paper_45.pdf))

Daniel Grayvold

Snowfall is a meditative hybrid musical composition/audio installation that explores the interpretation of winter weather as a depressive event through the sonification of snowfall data recorded in the Keweenaw county of Michigan.

Installations

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