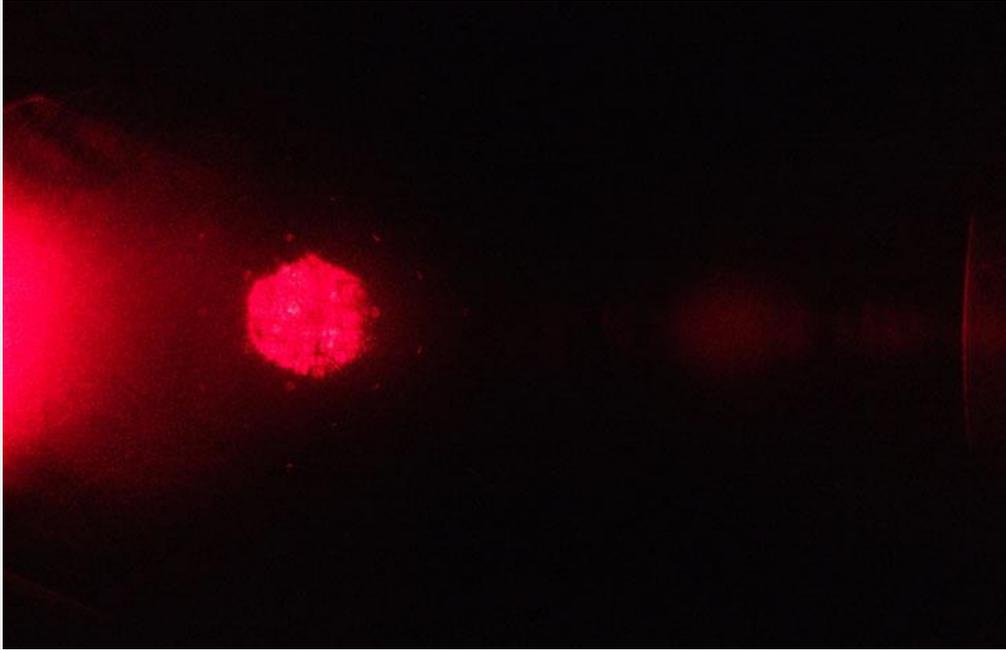


Workshop/Tutorial

Title Transmission+Interference: DUST



Instructor David Strang(University of Plymouth, UK)

Program Schedule

Date/Time: June 22(Sat.)/10:00-18:00

Venue: Lecture room 2, ACC Archive&Research(B4)

- Introduction to project | building, playing, hacking | Final Review / mini-Performance

Target Audience

Media Artists interested in experimental sound and working physically with non-standard materials alongside physical computing. (Students, Artists, ISEA participants)

Number of participants(max) 12 people

Prerequisite for participants

Knowledge of Arduino, experience of working with sound is useful but open to beginners.

If possible, bring laptop with arduino installed - also Pd or Max/MSP. Any objects / materials that might interfere well with light.

Abstract

This 'transmission+interference' workshop is a full day event where participants will explore the transmission, interference and playful aspects of sound through various uses of light and objects. Participants will investigate devices that transmit sound within light and explore the various ways to interfere with signals that generate new sound. It is this point of 'in-between' that is essential to understand in order to develop new sounds and the focus of this workshop will be based on the fine material of dust - the dirt and noise of everyday spaces.

Through methods of diffraction (light) and transduction (sound) the materiality of air, dust and object are investigated through resonance and vibration to reveal the creative potential held within. As currents of air shift and circulate, assemblages of dust are formed across territories and surfaces that shape both sound and light resulting in a performative output. The aim is to move away from areas of dust as annoyance and instead actively engage with it as sonic material. The work draws upon current theory around vital / vibrant materialism (Bennett, Barad, Coole) and object-oriented ontology (Harman, Morton, Bryant).

Participants will also get to explore previously built / hacked / appropriated devices with which to develop new sound and light instruments with the aim of a group performance involving all of the participants of the workshop. This can / may include the use of motors, mirrors, laser pointers, elastic bands etc...

The workshop will include soldering and the use of various bits of electronics (integrated circuits and Arduino) and is open to beginners and skilled users. In addition to these skills we will encourage discourse around the ideas of live performance, improvisation and experimental music.

Short Biography of the Organizers

David Strang is an artist and researcher working with sound, noise and interactive elements. His work explores the creative potential within the movement of noise in and around systems of sound and light by making / hacking bespoke devices and tools for performance, workshop, installation and intervention. Through processes of interaction and making, his practice investigates the links between objects, material consciousness and the body. David runs various experimental workshops exploring sonic arts, hacking, sensors, making and objects / materials in an open collaborative framework. These workshops are aimed at the sharing of knowledge (Doing It With Others) throughout the group to create an artwork/performance. Recent work includes site-specific installation, performance, field-recording, re-appropriating media objects, hacking and noise.

He has collaborated and exhibited with artists and scientists as well as exhibiting solo work in the UK, Europe, Iceland, Russia, Canada, Hong Kong, USA and China.

David currently lives and works in the UK and is a Lecturer in Digital Art & Technology at University of Plymouth.

<http://www.david.strang.co.uk>