
MUSIC, INSTALLATIONS AND DESIGNS FROM THE AUGMENTED INSTRUMENTS LABORATORY

Augmented Instruments Laboratory

Augmented Instruments Laboratory, based out of the Centre for Digital Music at Queen Mary, focuses on developing new instruments and interfaces for musical expression. The concert will feature a programme of performances by the designers themselves plus special guests, and an interval for exploring interactive installations. <http://instrumentslab.org/>

Part one

ROBYN STEWARD - Augmented trumpet

We are very fortunate to be joined by psychedelic space trumpeter Robyn Steward, whose recent performances include Tate Britain, a commission for drake music Scala. Robyn will be performing her one of a kind trumpet with effects using a micro controller called Barry (a Bela). Robyn also runs inclusive xonscience gigs at cafe OTO "robyns rocket". www.hatonauts.com || www.robynsrocket.com

KURIJN BUYS - Saxophone + electronics

Experimental musician and instrument designer Kurijn Buys will be manipulating his (already irregularly performed) sax, using electronics controlled with his toes on a hyper dimensional sensor device.

GIACOMO LEPRI - Clarinet + electronics

An improvised performance featuring the system for clarinet and live electronics Giacomo developed while researching at Amsterdam's STEIM Institute.

Installations

Chowndolo (Giacomo Lepri)

An Interactive Sonic Sculpture combining FM synthesis, magnets and pendulums - will be joined on stage for a multi-player Chowndolo performance. The Chowndolo is an installation inspired by FM Synthesis researcher John Chowning, and is based on a magnetic pendulum: an oscillating stick whose trajectories are altered by magnets placed underneath the device. The unstable patterns produced by the pendulum oscillations are transformed into sound, articulating a music which evolves based on the pendulum motions. The magnets at the bottom of the pendulum can be arranged to compose new shapes. Different configurations will therefore modify the pendulum oscillations and the sonic patterns. <https://vimeo.com/325707625>

Magpick (Fabio Morreale & Andrea Guidi)

A very elegant augmentation of the guitar pick that uses magnet technology to enhance the guitarists gestures and changes the tone of the instrument in real time.

The Granulator (Luis Garin, Robert Jack & Chris Heinrichs)

The Granulator takes any sound that you record and breaks it into tiny grains which are reorganised and played when you slide a finger on the sensors. Sliding a finger on the square sensor changes the grain size and position, while the strip sensor will change the pitch of the sound. To record a new sound, hold down the blue button.

Strummi (Jacob Harrison)

A digital/acoustic plucked string instrument designed by Jacob Harrison and Robert Jack with accessible buttons that change the tuning of the strings in real time.

Part Two

Lia Mice - Double-headed harp guitar + sampler

Lia will perform a short live set featuring her new instrument, the double-headed harp guitar, from her Instrument Sematary series in which she brings dead and broken instruments back to life with new and strange personalities. <http://www.liamice.com>

ANDREA GUIDI - Electronic Set

Andrea will present an Electronic with eurorack modules, Supercollider and a singing bowl. A visual interactive counterpart will be displayed across the performance.

Jack Armitage - Live coding

A live coding performance by Jack Armitage. Jack is a designer, musician and researcher who performs live coding music and visuals as Lil Data (PC Music) and as half of the band Offer (with Adult Jazz vocalist Harry Burgess).

Surprise guest performing with Jack Armitage...

Laurel S Pardue - Svampolin

Laurel's Svampolin is a hybrid acoustic-electronic violin that features an embedded speaker and real-time effects. The Svampolin effects can be programmed in many ways including confining the violin to chromatic tuning, adding bubbly sounds and changing effects depending on the bowing direction.