



BRUSSELS ELECTRONIC MARATHON 2018

MUSIC & TECHNOLOGY CORNER

13.10.2018

MIM

MUSICAL INSTRUMENT MUSEUM

MUSIC & TECHNOLOGY CORNER 2018

Ohme and Wired Electronics are proud to present the second edition of the Music & Technology Corner, a day of artistic, scientific and technological discoveries at the heart of electronic culture. The idea of this pole is to shine the light on the technological and scientific dimensions behind the production of electronic music.

This year edition of the Music & Technology Corner puts together artists, practitioners and academics for an all-day gathering that transcends the borders between creative practice, scientific understanding and technical expertise with a focus on the exploration of interactivity in the production of electronic music.

The programme presents a selection of projects that explore, in different ways, the present and possibly the future of man-machine interactions in a creative context. Today we are witnessing the huge impact that technology innovations have on artistic practices, and we cannot ignore the fact that the reverse process is coming up, building a wave of creatives and artists that take a leap into the scientific and technological domains to expand the horizon of their own practices.

Technical development and creative application influence each other like never before. This is the reason why they deserve a targeted attention in the context of the Brussels Electronic Marathon, the biggest Brussels-based festival of electronic cultures. This spontaneous collaboration between Ohme and Wired Electronics, combines two Brussels-based actors respectively specialised in the curation of events at the nexus of Arts & Sciences, and in the technologies of production of electronic music.



EXPLORING INTERACTIVITY

Talks, workshops and live performances to explore the most interesting interactive projects in technology applied to musical creativity.

@MIM

At the Musical Instrument
Museum of Brussels



| TIMETABLE

CONCERT HALL

14:00

Paola De Narvaez

14:30

Nicolas D'Alessandro

15:30

Valery Vermeulen
Mikromedas

17:00

NSDOS

18:30

Damien Petitot

19:30

Exoterrism

21:00

Xavier Gazon

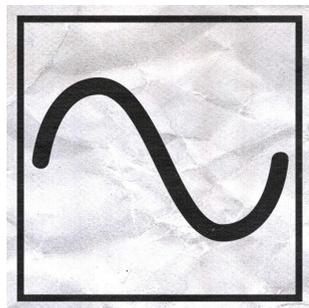
ATELIER -1

14:00

Sine - session #1

16:00

Sine - session #2



PLATEAU +2

14:00 - 18:00

Holonic.Systems
Workshop

PLATEAU +7

14:00 - 18:00

Wired Electronics
Modular Workshop

BAR +9

20:30 - 21:00

Holonic.Systems
Performance

ARTISTS & SCIENTISTS

Presentation of all the artists/scientists who are going to give a talk, organise a workshop or perform live.



NSDOS

#TALK

#PERFORMANCE

Xavier Gazon is an electronic music composer and an artist/maker specializing in digital and analog sound interfaces. It is from recycled or diverted objects that Xavier invents his instruments out of the ordinary. Children's toys or pieces of printers abandoned in the street are the basis of his creations and his imagination. He is one of the pioneers of circuit bending in Europe, whose purpose is to transform the electronic circuit of a sound toy into a musical instrument or a generator of random sounds. The two main axes of his artistic approach are the creation by controlled accidents, theorized by John Cage and Zen, as well as the reconciliation of themes that a priori oppose: man / machine, science / art, emotions / electronics ...



After studying dance, Kirikoo Des (aka NSDOS) felt the need to create his own sound in order to explore movement. This is how he started creating his own mediums: futurist instruments made of old audio converters (carte son), Gameboy emulators, pieces of metal dismantled and weld together giving form to surreal machines. His alternative vision and the way he reinterprets technological tools have made him one of the most important techno hackers of his generation. In his conference, NSDOS will invite the audience to understand his universe, which will then be illustrated by a performance, bridging science, technologies and nature.

XAVIER GAZON

#PERFORMANCE



VALERY VERMEULEN

#TALK

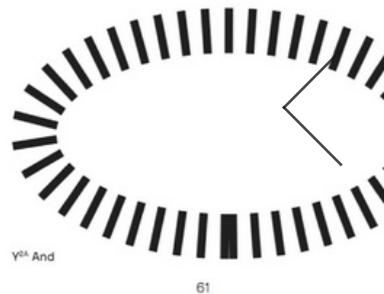
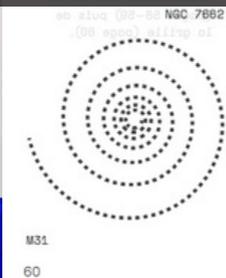
#PERFORMANCE

Valery Vermeulen is a Belgian musician, mathematician, new media artist, author and researcher at the Department of Mathematics - Computer Science at University of Antwerp. In 2001 he obtained a Phd in pure mathematics in the field of algebraic group theory and in 2013 a masters degree in music production. Mikromedas is a data-driven musical project in which compositions are elaborated using data stemming from space and deep space and astrophysical simulation models. The project is presented under various thematic performance series.

PAOLA DE NARVAEZ



#TALK



Paola is a recent graduate in Graphic Design at La Cambre arts visuals in Brussels. She will be presenting her work *Andromedæ*, an audio visual real time animation that transposes scientific data about stars into wave frequencies and musical notes, sound duration and nuances. Every piece of data has then a transcription into the visual field.

Nicolas is a former researcher in music and interactive technologies. In his talk, he will walk you through his career, explaining what led him to invent new instruments of electronic music. With him, you learn how he made the switch to the objects design, and to the the creation of immersive and interactivsensory experiences, and ultimately the creation of an agency of a unique style. One of Nicolas and Hoverton's most promising projects is the creation of *HandSketch*, a new digital musical instrument capable of singing with an expressive lyric voice. Since more than 10 years, Nicolas uses this instrument live in many contexts. The instrument, which is now an application for iPad Pro, will be played for you - will you try it too?

NICOLAS D'ALESSANDRO

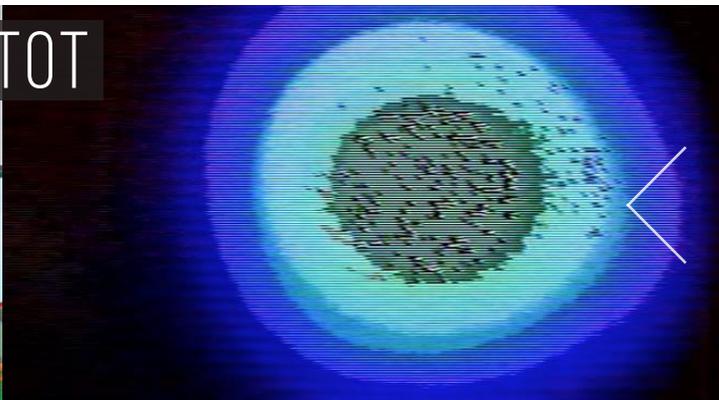


#TALK

DAMIEN PETITOT



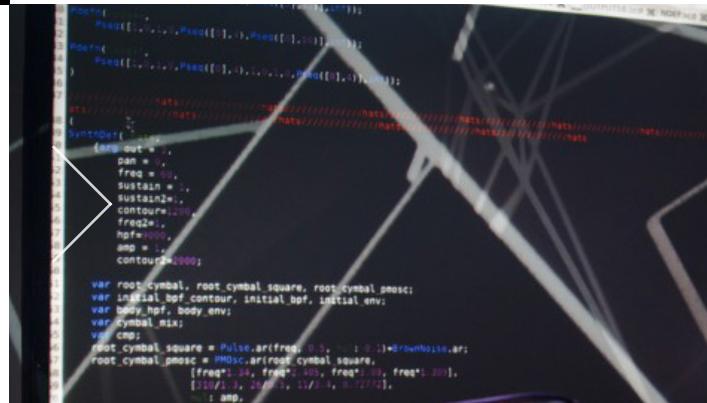
#PERFORMANCE



Damien Petitot is a visual artist who explores the plastic and experimental possibilities of the video medium through the use of technical devices diverted or hacked and staged within installations and performances. *SIGNAL* is an audio-visual project using analogical cameras, monitors, mixers, pedals and feedback processes. All elements are connected to each other, the video signal is generated by a feedback process using cameras and monitors as (raw) outputs and inputs where no external video samples are used. All the devices work in a closed loop, mutating constantly creating a unique installation or performance each time.

Exoterrism (Fan Yau born in Hong Kong 1987), seeks the link between universal geometric consciousness and the meta-reality of information associations. Influenced by exoteric systems, Yau engages computer processed algorithms, errors, chaotic systems, feedback loops, artificial-intelligence, retro-causalities and synchronicity. Through experimentations of sound and visualization of it, its reaction on the human body, he aims at creating short term hallucinations or out of body experiences. Technology through consciousness has surpassed the notion of space and time, patterns are repeating through a multidimensional expanding dynamic system, feed-backing into vibrations, energy and information.

EXO-TERRISM

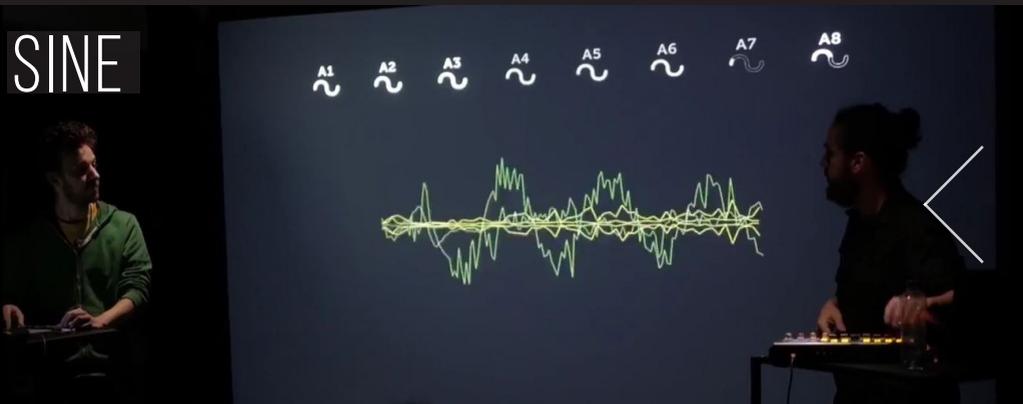


#PERFORMANCE

WORKSHOPS

Presentation of all the participative workshops

SINE



Starting from a simple sinus, Sine illustrates - from the points of view of a physics and of a musician - the way electronic music producers approach sound and compose their music. Participants are involved in a interactive experience at the crossing between experimentation, learning and collaborative creation.

Sine is the result of an artistic-scientific experimental residency between François Gaspard, engineer and electronic music producer, and Boris Wilmot, motion graphic designer and digital artist.

Wired Electronics is a collective based in Brussels focusing on modular synthesisers. Since over 8 years they are organising workshops, meetings, showcases, concerts and festivals centered on modular synths, becoming a point of reference for the sector. At the MTC, they propose a functional workshop: how are these instruments working? A very eclectic team of experts, comprising pedagogical teachers and musicians, will answer any questions about the modular synth principles : from the cv/gate basics to the most crazy self generating patch hints. The team is be composed of: Jean Rochet (aka Mudd Corp), Vincent Vanesse and Eric Lukac

WIRED ELECTRONICS



HOLONIC SYSTEMS



Created by Mark Hakonen-Meddings and Ove Holmqvist, Holonic.Systems is a Finnish-Belgian company that specialises in adaptive music applications. They use affective design and applied biomusicology to create an open world music system that is based on movement, physiology and environmental factors. Holon is the world's first auditory mixed reality app controlled by biomechanical movement., allowing users to control a synthesis engine with their behaviour. During this workshop, participants will use the Holon.ist app to control a modular synthesiser with their movements. The evening performance will allow multiple audience members to generate and influence the music.

PROUDLY ORGANISED BY



Ohme is a transdisciplinary project designed to organise events and develop original contents at the nexus of Science, Art, Technologies and Societal challenges.

Wired Electronics is Brussels' modular synth hub. Networking people and organising events since 2010, the collective organises popular modular synth meetings, presenting the newest gear by manufacturers, live performances, workshops and jam sessions for the pleasure of your ears and the bliss of your geek.



Brussels electronic marathon is a three-day urban electronic music festival, spread over more than 30 venues across the capital city. The festival is the result of a collaborative effort between numerous local collectives who together create and build the Brussels music scene.

THE MUSIC & TECHNOLOGY CORNER IS A FREE EVENT
THANKS TO THE GENEROUS SUPPORT OF



