

Live Pixel

Mathieu Constans & Francis Faber : wiimote, karlax
Max/MSP/Jitter developments from Tom Mays and Mathieu Constans

50 minutes program :

- « Les uns les autres » by Tom Mays
- « Ligne de fuite » by Mathieu Constans
- «Tal» by Michele Tadini
- «Point d'équilibre» by Francis Faber

all works commissioned by La Grande Fabrique-Dieppe France

Live Pixel is a realtime multimedia performance whose aesthetic approach is to play animated pictures and music simultaneously with the same gesture. To perform computer music (as a musician not as a technician who controls parameters), we must have a rich interaction with the computer. Our current set is made of 2 wiimote nunchuks and 4 foot pedals ("Wiimote" is the primary controller for Nintendo's Wii console which contains a multitude of sensors that allow gesture recognition). The duo also performs with a new gestural controller named Karlax which allows for new expressions of digital interaction. La Grande Fabrique commissions new works which encourage a rethinking of the traditional video-music relation for the benefit of new multimedia works where software is used to associate sound texture and pixels of light in one unique gesture.



Meta-Instrument N°3

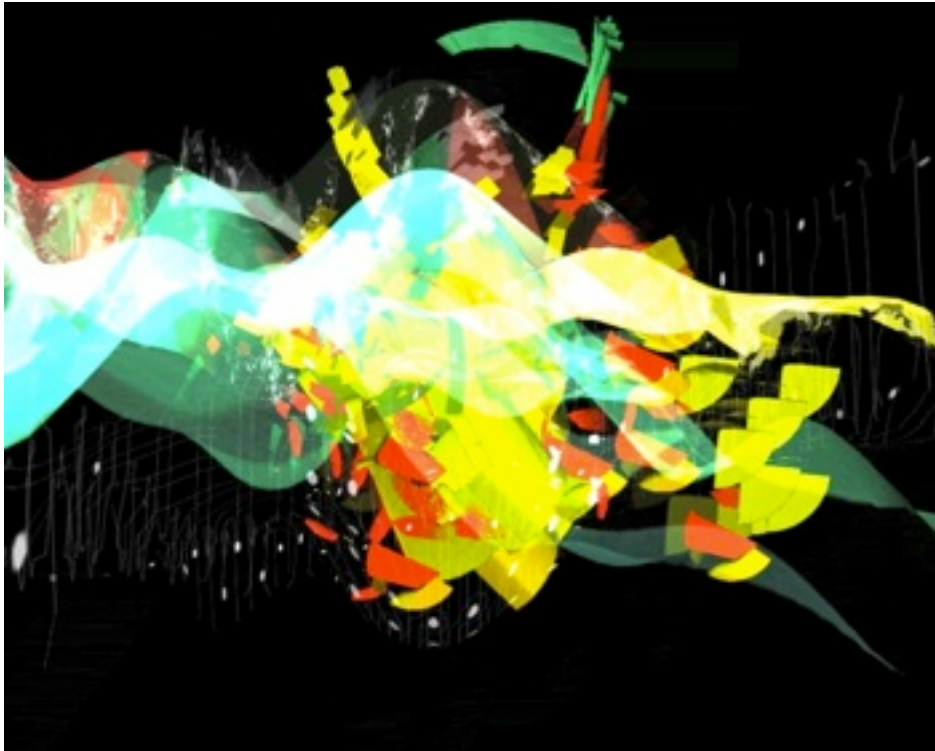
nunchuk of wiimote © Nintendo

karlax © DataFact

«Ligne de fuite »for 2 wiimotes, realtime processing and video - by Mathieu Constans

LivePixel 33 (0)608770470 www.lagrandefabrique.com

Originally written in 2009 for Sao Paulo's Audio Engine Society, « Ligne de Fuite » has been recreated in a new version for Venise Biennale 2010, more colourful and mobile. This work is structured in 3 parts, each one exploiting a different type of image-music relation thanks to three



audio-visual virtual instruments, distinct but providing a tight link between sound and pixel in motion.

« Ligne de fuite », an allusion to Henri Laborit's thinking, has to be read as an « elastic breakaway ».

Max/MSP/Jitter development by Mathieu Constans

Mathieu Constans-France digital artist

Mathieu Constans is a composer, computer performer and software developer. Since 1992, he has taken part in

various projects from electronic performances to contemporary music or digital shows.

He works in solo electronic project like « Eolifize, <0>, Hanahbe, ___<>___, BoobyTrap, Adenome, AnarnakGroenlandais, Fibrome, Silicat, Circonflex »

and also engineers, develops and composes video and audio works with innovative instruments such as meta-instrument, joystick or wiimote in projects with Francis Faber, Rob Mazurek, Arnaud Dumond, Cécile Daroux, Garth Knox, Sylvain Kassap, Michele Tadini, Magic Malik, Scorpène Horrible.

He also collaborates in the developement of multimedia interactive installations, such as « Digital Palimpsest » with B2Fays 2009 Poitiers-Paris-Bombay, « Trace de Robie » Bruxelles 2010, Francis Faber « La mémoire au Frigo » Festival Automne en Normandie 2010 and for himself « dérive 2009 »

« Les uns les autres » from Tom Mays 2005-2007

"Les uns les autres" was written for two performers playing meta-instruments (http://www.lagrandefabrique.com/pages/meta_instrument.html), but it has since been adapted for wiimote.

The piece functions through a network of interactive audio and video processes. The performers manipulate video parameters which transform a series of movie sources, the analysis of which generates sounds and opens channels of a generative algorithm and different stages of audio processing.

A central theme of a random man and woman seeming to wait for each other is intercut with various black and white imagery and landscapes viewed from a train window in Normandy...

Tom Mays-US

composer, computer performer and teacher.



Associate professor of "New Technologies Applied to Composition" at the National Superior Conservatory of Music in Paris.

After earning his B.A. degree in composition and electroacoustics from San José State University in California with Allen Strange, he came to France where he co-founded Studio Césaré in Reims, realized musical environments for composers at IRCAM as a musical assistant and participated in numerous musical experiences as a composer and performer, his works being commissioned and supported by various studios and organizations

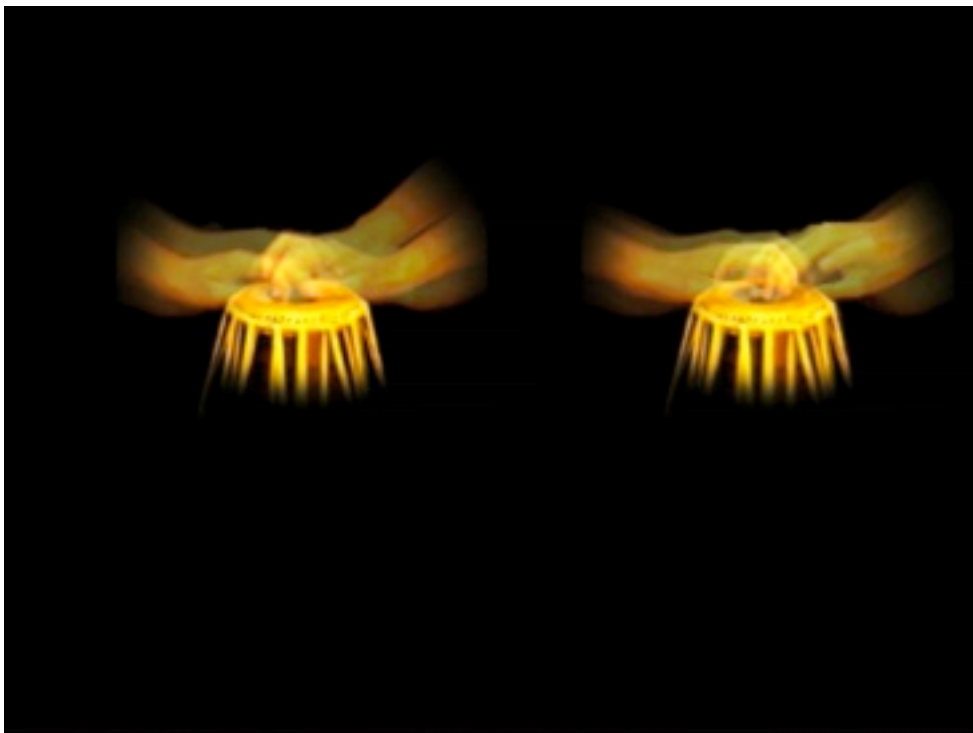
such as Césaré, La Muse en Circuit, Le Cirm, La Grande Fabrique, le G.E.P.S and Radio France. He is especially interested in instrumental performance of real-time computer systems for both written and improvised music, as well as in interaction between music and video.

«*Tal*» from Michele Tadini 2008-2011

Work exploits the sound and the gesture of a tabla's player ; starting from this simple "germ" was born a reflexion on the musical gesture and association music/animated image, around the compositionnels choices.

The virtuosity of the work comes from complex rhythmic sequences and an erudite metric, space

and spectral organization made possible by a long work of data-processing developments under Max/MSP/Jitter.



Michele Tadini-Italy, composer

He now live and work in Paris. He composes music for soloist, ensemble, orchestra, with or without electronics, for theater, dance and interactive installation, collaborates with video-makers, painters, directors

and writers. He was the chief of production at AGON acustica informatica musica (Milan), co-directed Centro Tempo Reale (Florence) and, now, coordinates the activity of IRMus, Istituto di Ricerca Musicale (Milan). His music is performed all over Europe, USA, South America, Canada and Japan. He recently earned the Prix Italia with the radio-opera "La Musica Nascosta". He teaches composition and technologies in the Conservatoire National Supérieur de Musique et Danse of Lyon-France. He has an intense activity of conferences and master classes. Suvini Zerboni, Rai Trade and Edipan publish his music.

«*Point d'équilibre*» from Francis Faber 2011 for two karlax

"Balance Point" is a piece based on the notion of tension and relaxation, especially on the precise timing of the breaking of the point of balance, this mysterious moment when the fall starts.

Like a drop of water which forms slowly by accumulating microparticles attracted by gravity, and then falls and drops by accelerating its movement in the air, then crashes on the ground.



This musical composition is based on this notion of instability/rupture as a temporal concept and in the construction of its sonic material.

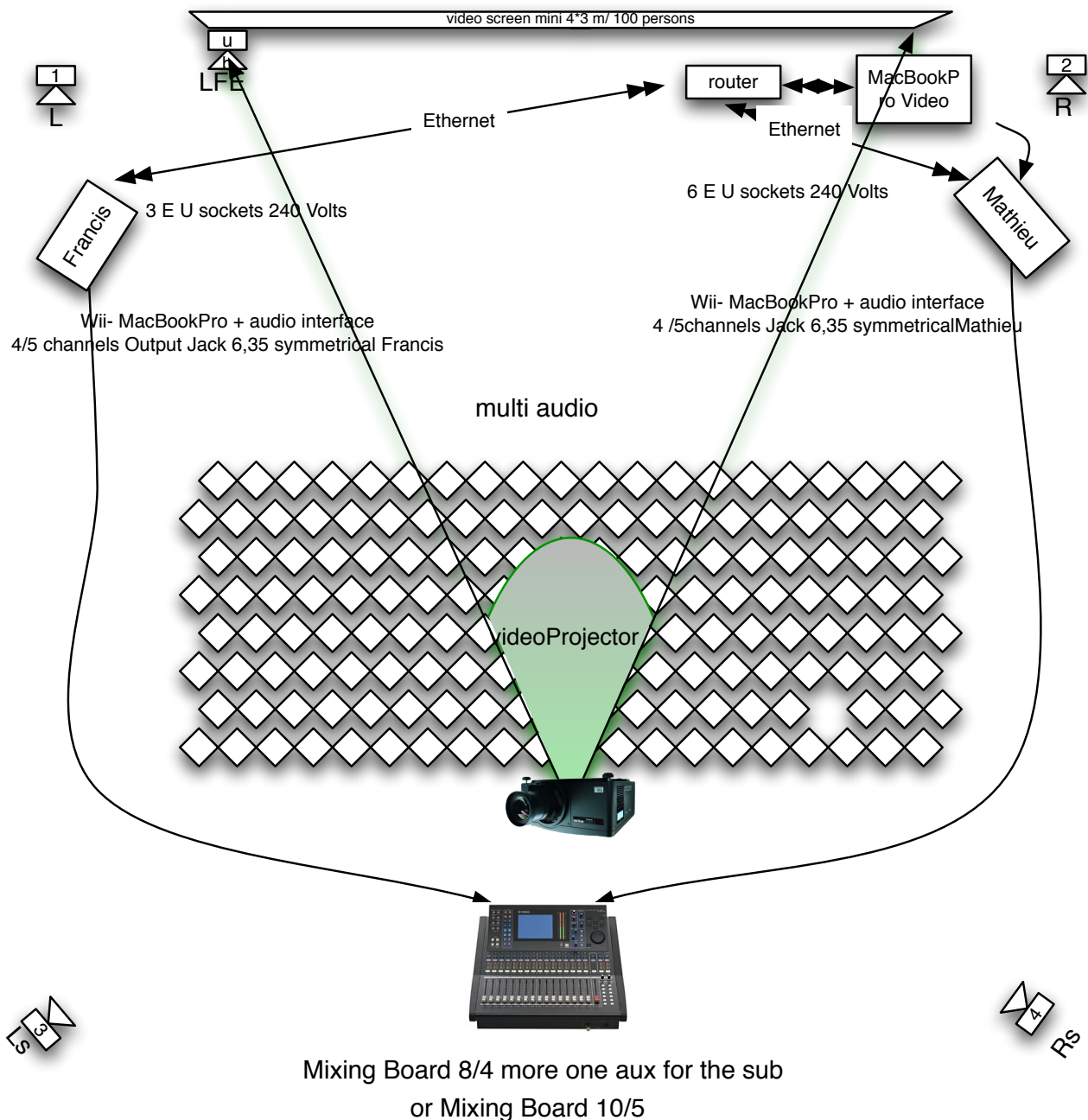
The matter of the moving pictures borrows the fluidity, movement, and form of the drop of water viewed from several angles.

Francis Faber-France, wiimote

Composes, plays and teaches electronic music.

He leads La Grande Fabrique, a music and multimedia performances producing company, subsidized by the French Région Haute Normandie, the General Council of Seine maritime and the Dieppe town council. Since 1980, he has favoured realtime electronic

performances, composed for various groups, played on digital instruments, and created interactive art installations. He teaches electronic composing in the dieppe's Regional Music School and is involved in various organisations specialised in realtime sound and images.



Mixing board 12in /5out
 4+1 point Loudspeakers Diffusion
 Video mini 5000 lumens/ 100 person
 screen 4*3 m at 80 cm height from ground
 2 seats of +or - **60 cm** height
 a little cube for the video MacBookPro 40*30*40
 all the devices must be connected at the **same** 240 Volts voltage, (stage sockets, amplifiers, vidéoprojector,...)

Live Pixel Wiimote Duo