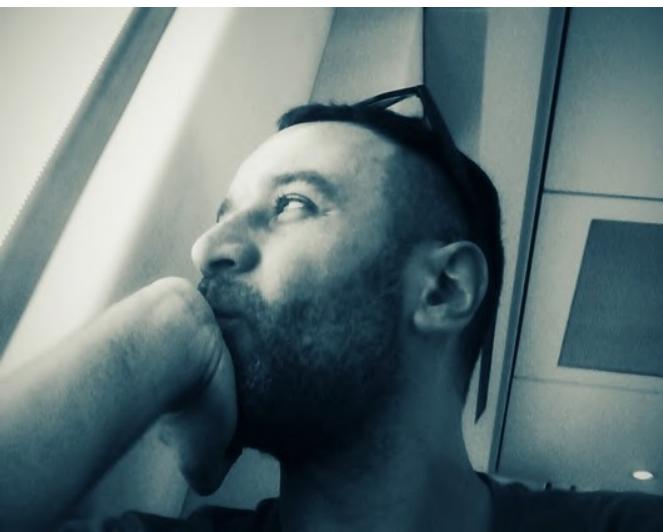


## .BIO

Xavier Manzanares (Barcelona 1974)

Arquitecte Music-Coder (dAAX) Recercador Independent



[frequencies@gmail.com](mailto:frequencies@gmail.com)

Mob / Telegram [+34] 659 243 481

Twitter @txa @OH\_Lab

Instagram @xamanza

Telegram Channel <https://t.me/oneshaptiques>

<http://www.linkedin.com/in/xamanzanares>

Web Portfolio >

<http://noconventions.mobi/daax>

Url Projectes >

Ones Haptiques

<http://oneshaptiques.space>

<http://noconventions.mobi/oneshaptiques>

<http://noconventions.mobi/daax/oneshaptiques/research/>

Audiyolab

<http://audiyolab.wordpress.com>

SynthPiBOTS <https://synthpibots.wordpress.com>

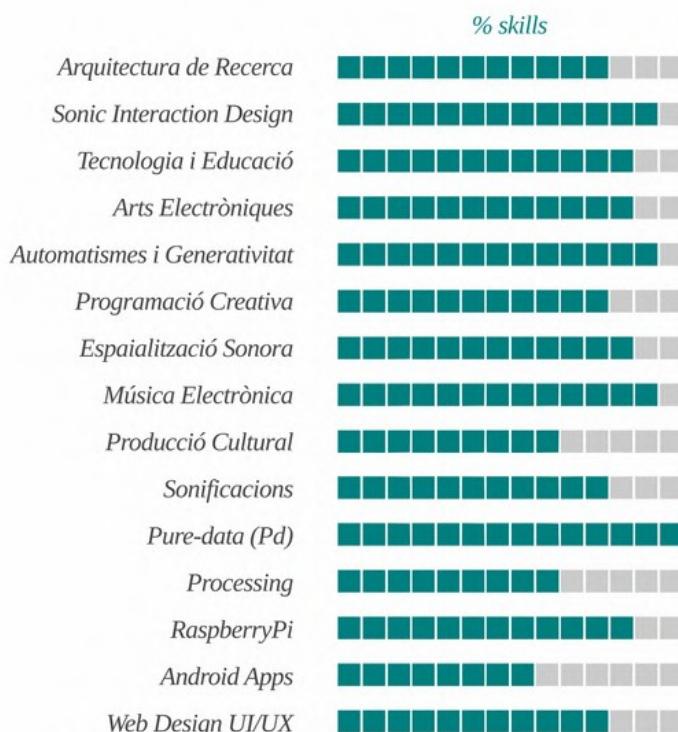
Arquitecte per la ETSAB/UPC al 2001.

Ha anat desenvolupant una praxis no convencional de la professió en col.laboracions amb **Straddle3** (Arquitectura Social), **Bea Goller Arqs.** (Arquitectura i Disseny de Recerca) o **NSP** (BioArquitectura).

Paral·lelament a aquesta activitat comença una exploració en diversos àmbits creatius i de recerca com la Sonologia, les Arts Electròniques, la Música Experimental, la Programació Creativa i les pràctiques Maker.

Als darrers anys ha estat treballant en projectes situats a les interseccions de les Arts, les Ciències i les Tecnologies. Els més rellevants són els projectes de Recerca **Ones Haptiques, Sonic Hypercube, Eixams, Paisatges Aurals i Sonic Spaces**.

En el context escènic ha realitzat actuacions en directe i instal.lacions en nombrosos espais / festivals d'arts electròniques com : Kunsthausbaselland, Fundació Miró, Sonarama(Sónar), 948Merkatua, Signal, OneDroneDayFestival, PdConvention.SaoPaulo, LinuxAudioConferenceKöln, Homework Bologna entre d'altres.



## **.BIO [details]**

### Estudis

2001 **Arquitecte per la Escola Tècnica Superior d'Arquitectura de Barcelona ETSAB / UPC**

### Estudis Complementaris

2014 MooC course / Coursera **The Brain and Space** // University of Duke

2014 MooC course / Coursera **CSP Science of Android Apps** University of Illinois at Urbana Champaign's

2012 MooC course / Coursera **Programming: The Fundamentals** Dep.Computer Science Faculty of Arts and Science. University of Toronto

2002 Post Degree Program **Sonic Art and Space** / Art Sonor i Espai at CCCB (Barcelona)

### Experiència en Educació

Experiència educativa no reglada amb tallers i laboratoris.

Continguts híbrids entre les tecnologies obertes, la programació creativa, la experimentació sonora i sistemes interactius.

Workshops :

2016 > *Sonology module a ENTI Video Games School (Barcelona, Cat)*

2016 > *Sonic Lab a CJ Les Basses (Barcelona, Cat)*

2015> *AuDIYolab workshop // Obirar (Arbúcies, Cat)*

2015> *AuDIYolab workshop // Neokinok (Barcelona, Cat)*

2014 > *AuDIYolab workshop // SummerLab / BOULTEK (Casablanca, Marroc)*

2014 > *AuDIYolab workshop // Artropocode'14 (Corunha, Galiza)*

2014 > *AuDIYolab workshop // Obirar Association (Arbúcies, Girona)*

2014 > *AuDIYolab workshop // Neokinok Association (Barcelona, Cat)*

2013 > *AuDIYolab workshop // Boultek Centre de Musiques Actuelles (Casablanca, Marroc)*

2012 > *AuDIYolab workshop // SummerLab @ Guimaraes (Guimaraes, Galiza)*

2012 > *AuDIYolab workshop // SummerLab / Feira Imaxinaria @ Alg-a Lab (Vigo, Galiza)*

2012 > *AuDIYolab workshop // SummerLab Euskalherria (Bilbao, Euskalherria)*

2012 > *AuDIYolab workshop // LCD Laboratorio de Criaçao Digital (Guimaraes, Portugal)*

2012 > *AuDIYolab workshop // Neokinok Association (Barcelona, Cat)*

2011 > *AuDIYolab workshop // Artropocode'11 (Santiago, Galiza)*

2010/11 > *AuDIYolab assignatura 'Aplicacions Especialitzades' // SAE Institute (Barcelona, Cat)*

2011 > *AuDIYolab workshop // Telenoika AV Comunitat d'Audiovisual (Barcelona, Cat)*

2010> *AuDIYolab workshop // Telenoika AV Comunitat d'Audiovisual (Barcelona, Cat)*

2009 > *AuDIYolab [HTDj! Workshop] // 1st Libres (Recife, Brasil)*

2009 > *AuDIYolab [HTDj! Workshop] // ISCL'09 (Salvador de Bahia, Brasil)*

2009 > *AuDIYolab [HTDj! Workshop] // Pdconvention09 (Sao Paulo, Brasil)*

2009 > *AuDIYolab [HTDj! Workshop] // Associació Ningun Lugar (Barcelona, Cat)*

2009 > *Pd workshop // Associació Riereta.net (Barcelona, Cat)*

2008 > *workshop 'frequencies pixels and ports' at CCL matadero (Huesca, Esp)*

2007 > *audio'nlinux > workshop de pure-data i eines lliures amb Gnu/Linux HANGAR (Barcelona, Cat)*

2007 > *gohan > workshop pure-data+processing+arduino al Centro de Ha de Zaragoza (Zaragoza, Esp)*

## **Open Research**

### **Processos d'investigació oberts / Documentació oberta**

Als següents enllaços podeu accedir a la documentació de diferents processos de recerca de Xavier Manzanares

#### **[ 2018-2019 ] Ones Hàptiques Autonomy of Things**

Beca de recerca al lab d'Interactius d'HANGAR 2018

#### **[ 2017-2018 ] Ones Hàptiques development at Eixams\* Project**

\*Eixams coproduction Alex Muñoz & Xavi Manzanares

BCN Producció La Capella / Fundació Miró / Kunsthaußbaselland

#### **[ 2016-2017 ] Ones Hàptiques BioSensors**

Beques de Recerca i Creació / OSIC / Dep. de Cultura de la Generalitat de Catalunya

#### **[ 2015-2016 ] Ones Hàptiques Surfing Waves but not sea Waves**

Beques de Recerca i Creació / OSIC / Dep. de Cultura de la Generalitat de Catalunya

Documents oberts :

[pdf] [ONES HÀPTIQUES Autonomy of Things](#)

<http://noconventions.mobi/oneshaptiques/AoT/pdfs/OH.AoT.27022019@LabInteractiusHangar2018.pdf>

[pdf] [ONES HÀPTIQUES Xperiments](#)

<http://noconventions.mobi/daax/oneshaptiques/research/pdfs/OHXperiments.pdf>

[pdf] [ONES HÀPTIQUES Xperiments + Papers](#)

<http://noconventions.mobi/daax/oneshaptiques/research/pdfs/OHPapers+Xperiments.pdf>

[pdf] [ONES HÀPTIQUES Xperiments + Papers + CounterPapers](#)

<http://noconventions.mobi/daax/oneshaptiques/research/pdfs/>

[OHFULL\\_CounterPapers+Papers+Xperiments.pdf](#)

+ info a :

<http://oneshaptiques.space/>

<http://noconventions.mobi/oneshaptiques/AoT/>

<http://noconventions.mobi/oneshaptiques/#OH2016>

<http://noconventions.mobi/daax/oneshaptiques/research/>

## **.Codi Publicat**

Apps i programari disponible produït als darrers anys :  
Open Sourced Apps

code:// Code generated at OH Autonomy of Things Research 2019  
<http://noconventions.mobi/oneshaptiques/AoT/coding/Package27022019AoT.Rckr.zip>

code:// Generative App @Eixams Installation 2018  
<http://eixams.cc/code/PrOHpolium.v1.Glitch.zip>  
<http://eixams.cc/code/PrOHpolium.v2.SoundScapes.zip>

code:// Pd App OHPI 27.7~ OH16 (Ones Haptiques Algorythm)  
[http://noconventions.mobi/oneshaptiques/code/OHPI27.7\\_OH16.zip](http://noconventions.mobi/oneshaptiques/code/OHPI27.7_OH16.zip)  
<http://noconventions.mobi/daax/oneshaptiques/OHPI277.zip>

code:// Pd App OH Bio·Sensors  
<http://noconventions.mobi/oneshaptiques/code/OHBioSensors.zip>

code:// V!BR Android App  
<http://noconventions.mobi/android/V1bR.apk>

code:// DNA Spiruline Rhythm Box  
<http://noconventions.mobi/daax/img/portfolio/DNA.Spiruline.RhythmBOX.zip>

code:// SynthPiBOTS Pd Apps  
[http://noconventions.mobi/RPi/404PiBots/PackSynthPiBOTS\\_PdApps.zip](http://noconventions.mobi/RPi/404PiBots/PackSynthPiBOTS_PdApps.zip)

code:// SK8Sound Pd App > SK8SOUND / Mobility Lab  
<http://noconventions.mobi/mobilityLAB/SK8Sound--BeatZ.zip>

code:// DataTranslations  
<https://audiylab.wordpress.com/datatranslations/tis3d/morphogenesis--pd>  
Python scripts at  
<https://audiylab.wordpress.com/datatranslations/>

code:// TWFO Pd App > SonicInteraction @ The Wearable Fashion Orchestra  
<http://noconventions.mobi/TWFO/TWFO--.zip>

code:// DanceJ / Artropocode Node Apps  
<http://noconventions.mobi/Artropocode/BodyMouserKinect--OFApp.zip>  
<http://noconventions.mobi/Artropocode/B%c3%98dyMouserKinect--.pd>

code:// RAW Grainer RCK@LaPorta Pd App  
<https://n-1.cc/file/download/1586228>

code:// Light Delais Pd App  
[http://noconventions.mobi/auDIYolab/LD/nmvsThz8m\(\(-\)\).pd](http://noconventions.mobi/auDIYolab/LD/nmvsThz8m((-)).pd)

code:// METEO Sonification Guimaraes LCD [P5 + PD Apps]  
[http://noconventions.mobi/auDIYolab/AuDIYolab\\_Guimaraes\\_Production\\_ptx.zip](http://noconventions.mobi/auDIYolab/AuDIYolab_Guimaraes_Production_ptx.zip)

code:// S7 Android App  
<http://noconventions.mobi/Droid/S7.apk>

code:// HacktheDj! Pd Full App  
[http://noconventions.mobi/arrel/HTDj!\\_vX\\_unauthorized.zip](http://noconventions.mobi/arrel/HTDj!_vX_unauthorized.zip)

## **Trajectòria Artística**

### **LIVE Performances & Instal.lacions**

nov 2019 > Ones Hàptiques @ **948 Merkatua** (Iruña)

nov 2018 > Ones Hàptiques @ **OneDroneDay Festival** Hangar (Bcn)

sept 2018-nov 2018 > Eixams\* Instal.lació **Beehave Kunsthaußbaselland** (Basel)  
\*coproducció Alex Muñoz + Xavi Manzanares

feb 2018-May 2018 > Eixams\* Instal.lació **Beehave Fundació Miró** (Barcelona)  
\* coproducció Alex Muñoz + Xavi Manzanares

nov 2017 > Ones Hàptiques @ **OneDroneDay Festival** Hangar (Bcn)

oct 2016 > dAAX Live coding Session @ **Algorave** (Bcn)

nov 2015 > Ones Hàptiques @ **Nits Digitals Festival** (Vic)

nov 2014 > StringS / dAAX! + AlbaG.Corral a les **Nits Digitals Festival** (Vic)

may 2014 > dAAX! @ **OneDroneDay Festival** / HANGAR (Bcn)

oct 2013 > dAAX! + Pineada al **FamiliarFest** (Sevilla)

sept 2013 > dAAX! a **SOLMA** (Casablanca)

sept 2012 > dAAX! + DiegoDLeon (Bcn)

aug 2012 > dAAX! a **SOLGA SummerLab** (Vigo)

aug 2012 > dAAX! a **SOLEU SummerLab** (Bilbo)

nov 2011 > dAAX! + Sonom a **Nits Digitals Festival** (Vic)

july 2011 > dAAX! + Sonom a **SIGNAL Festival** (Sadali /Sardegna)

dec 2010 > **Generatech'10** (BCN)

nov 2010 > Spa @ Telenoika (BCN)

jul 2010 > dAAX! + Madame Cell a **Xeneratech / alg-a lab** (Vigo)

may 2010 > dAAX! **Hardmeeting 010** (Bcn)

oct 2009 > dAAX! **FPLL** (Ripoll)

oct 2009 > dAAX! + D.R.E.G.S. **Generatech** (Valencia)

sept 2009 > dAAX! Live al festival **Surpas 09** (Portbou)

aug 2009 > Segmentation Fault! a **1st Libres Recife** (Brasil)

aug 2009 > Segmentation Fault! a **ISCL 09 Salvador de Bahia** (Brasil)

july 2009 > Segmentation Fault! a **Pure-data Convention 09 Sao Paulo** (Brasil)

march 2008 > Segmentation Fault! a **LAC'08 (Linux Audio Conference)** (Koln, Germany)

sept 2008 > dAAX! Live al festival **Surpas 08** (Portbou)

july 2008 > Segmentation Fault! a **Tramuntana Festival** (Cadaqués)

may 2008 > dAAX! a **Nitcasm08**. Centre D Art Santa Mònica (Barcelona)

feb 2008 > dAAX! a jam AV streaming fest >> **noplacard.org**

feb 2008 > dAAX! a **flow** club (huesca)

jan2008 > dAAX! a **Xbass'08** (napoli) (Italia)

nov 2007 > dAAX! a **Distorsionfest'07** (mataro)

nov 2007 > dAAX! a **Nitcasm07**. Centre D Art Santa Mònica (Barcelona)

may 2007 > dAAX! a **Homework festival.** (bologna) (Italia)

feb 2007> dAAX! a **XXYZ** (toulouse) (France)

dec 2006 > dAAX! a **Nitcasm06**. Centre D Art Santa Mònica (Barcelona)

July 2006 > dAAX! festival **fascurt** (Masnou)

mar 2004 > pd open dev @ **straddle3.** (Barcelona)

june 2003 > Skeezo with R3, al **Sonarama / Sónar'03** (Barcelona)

### **Música publicada ( ‘dAAX’ )**

Surfing on moebiOS <http://www.noconventions.mobi/x!/rilises/daax-surfing-on-m03b10s>

2616 <http://www.noconventions.mobi/x!/rilises/2-6-1-6>

((-\_-)) [http://noconventions.mobi/x!/rilises/o\\_o](http://noconventions.mobi/x!/rilises/o_o)

These downloads are not available in your country <http://www.noconventions.mobi/x!/podc4sts>

dsp RT h4cks (remix 'Despertar' Cauto) <http://www.noconventions.mobi/x!/remixes/dsp-rt-h4cks>

dAAX!@collective compilations <http://www.noconventions.mobi/x!/vvaad>

**.Annex BIO**

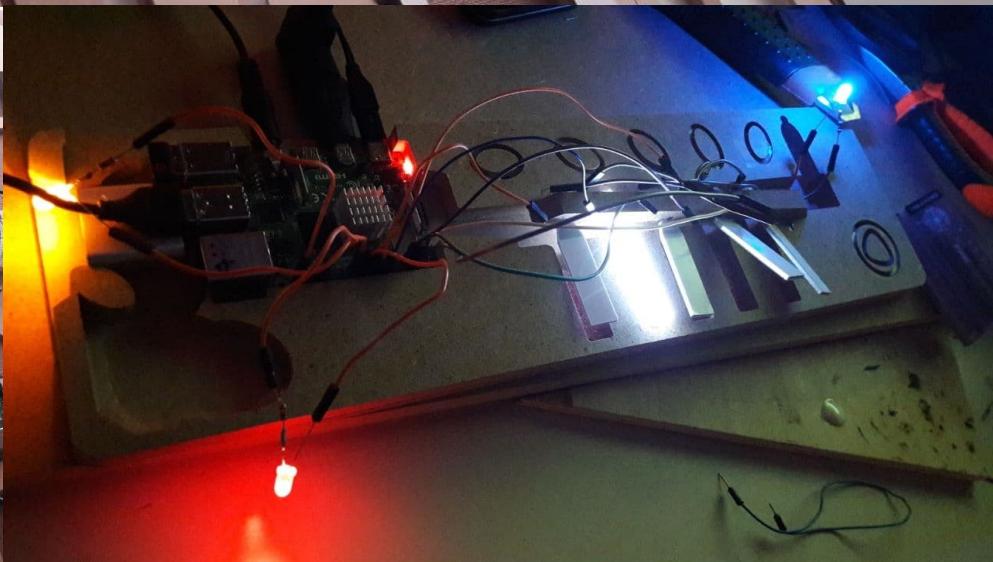
**Current & Last Projects**  
Xavier Manzanares

*Media Art Projects  
Sonic Interaction  
Sonifications  
Making  
Sonic Apps  
Experimental Design  
Research*

*Projects [Own & Collaborations]*



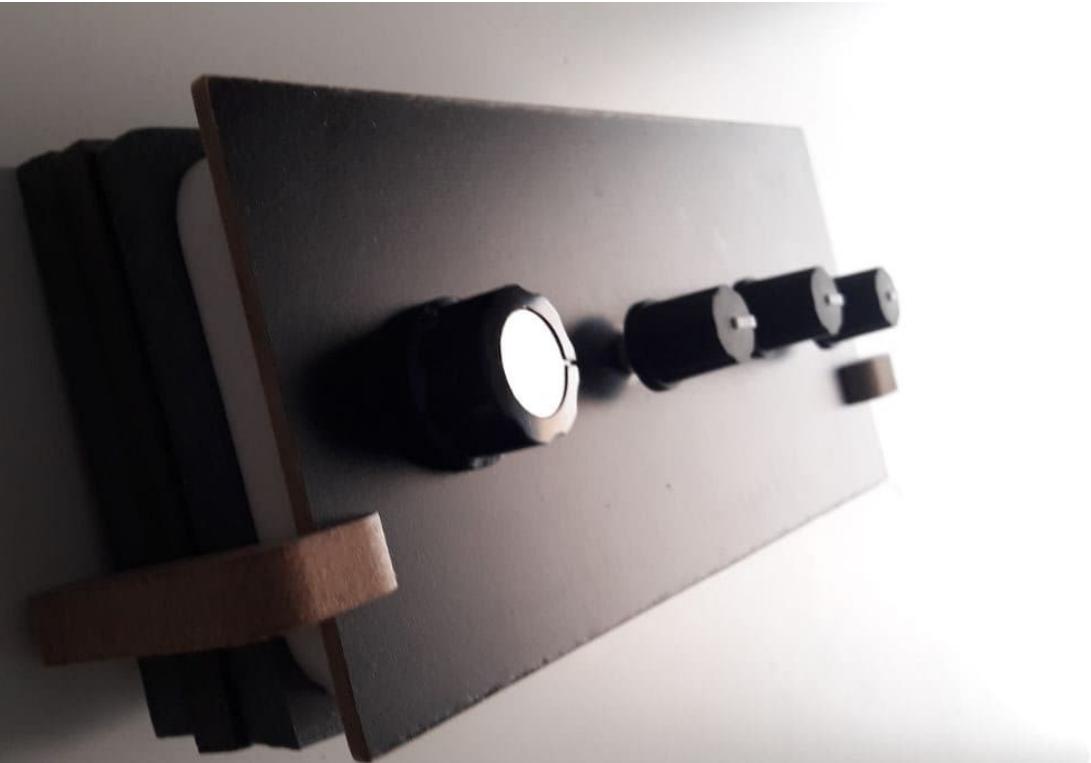
2020 / --  
**OH 404**  
Generative Patterns Synth  
Researchers : Xavier Manzanares  
Project Keywords :  
*Generatiu, Musica Electrònica, Raspberry Pi, WiringPi*





2020 / --  
**Befaco LICH**  
Sonic Programming for Befacos Lich Module  
Project Keywords :  
*Modular Synths, Pure-data, DSP Creative Programming*

2020  
**AxoQuad FX**  
Modul de post processament d'Àudio  
Researchers : Xavier Manzanares  
Project Keywords :  
*Musica Electrònica, Axoloti, Creative Programming*

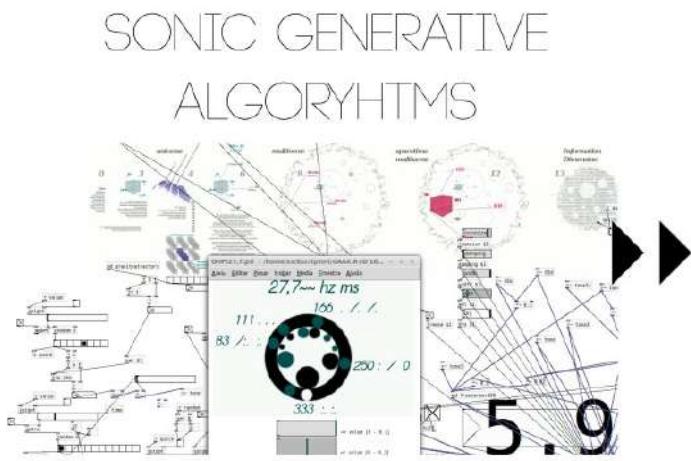




2019  
**OH Session at 948 Merkatua Iruña**  
 Ones Haptiques 2019 Haptical Boards Sessions

Researchers : Xavier Manzanares  
 Project Keywords :

Haptical Techs / Sonic Algorythms Tech: Pdl2ork, Raspberry Pi, Transducers, CNC milling, Digital Fabrica





2019

**OH Sonic Automats**

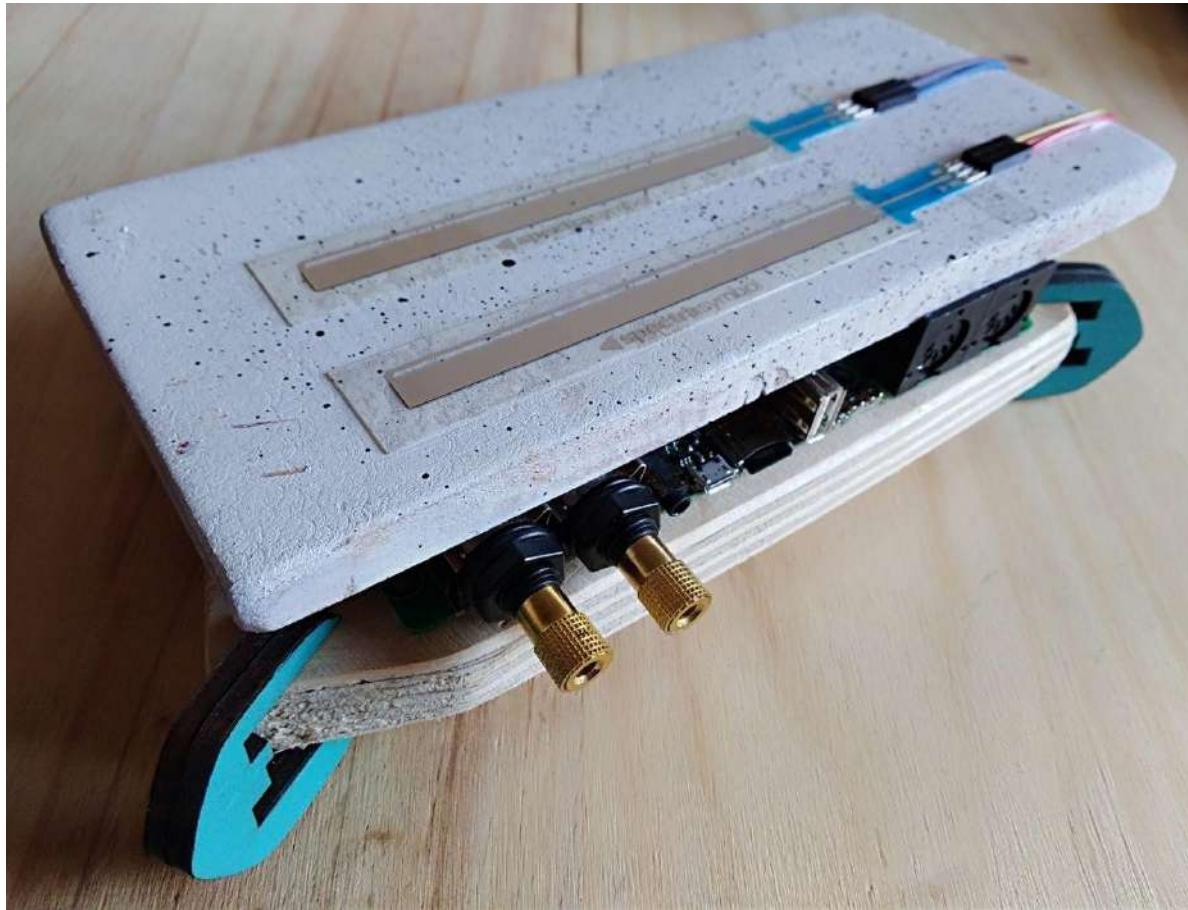
*Stand alone units devices : generative music players by electronic genres*

Researchers : Xavier Manzanares

Project Keywords :

Autonomy of Things

Tech: Pd-l2ork, Raspberry Pi, Bash Scripting, Axolotl Board & IDE

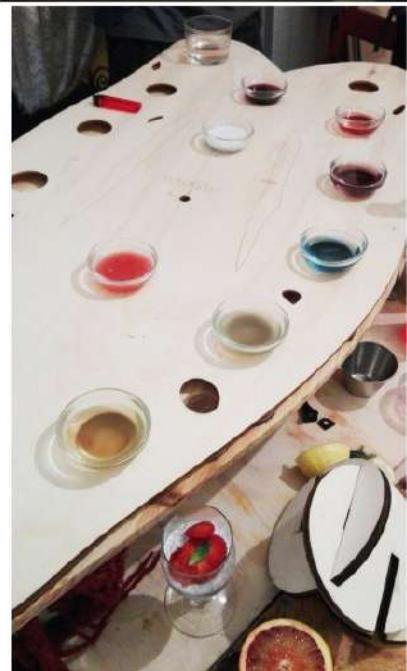




2019  
**OH**  
**Autonomy**  
**of Things**

Harvesting energy from unconventional methods

Researchers : Xavier Manzanares  
 Collaborators Miguel A de Heras  
 Beca al Lab d interactius Hangar 2018  
 Project Keywords :  
 Autonomy of Things  
 Tech: Peltier Cells / Electronics / Solar /



2018 / --

**Mezcaleria Hàptica**

*Food Vibrations & Explorations*

Researchers : Marina Monsonís / Xavier Manzanares  
Haptical Table Agar / Making / Design / Cymatics / Vibrations / Food / Liquids

Project Keywords :

Experimental Cooking Experience

Tech: Electronics / Transducers / Oscillators



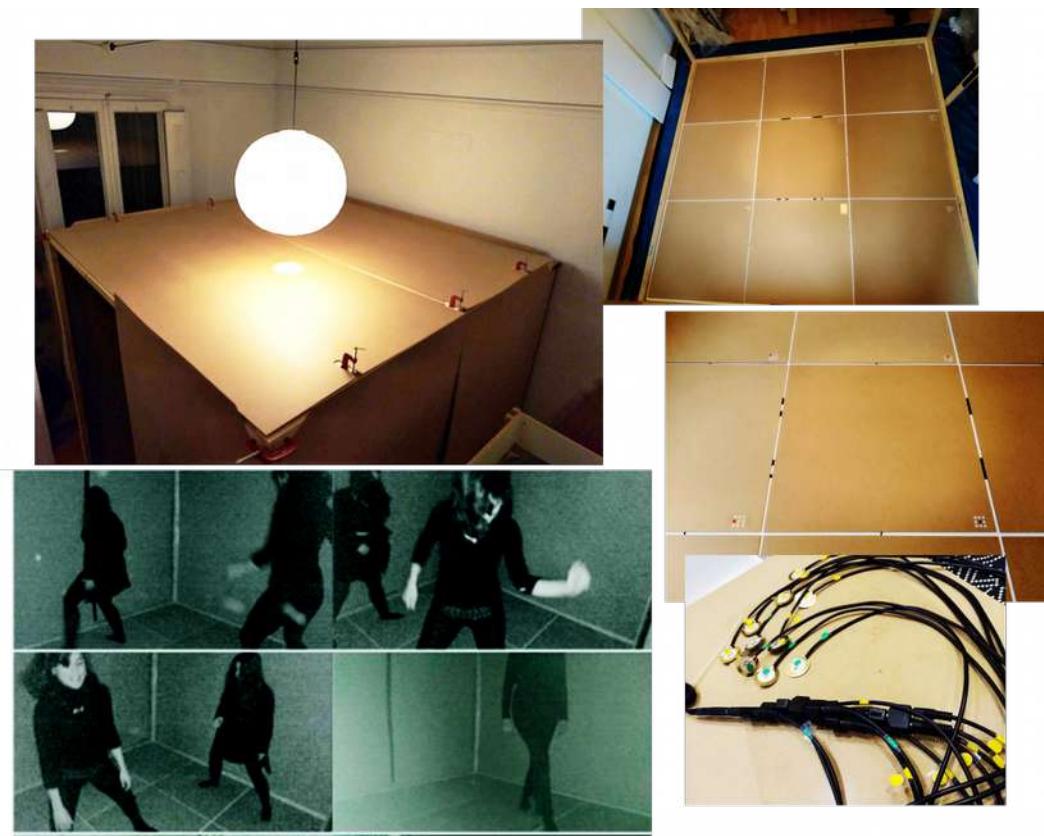
2017 / --

### **Eixams**

*Immersive Installation  
within a Beekeeping  
Research Project*  
<http://eixams.cc>

*Developers : Xavier Manzanares / Scott Zimmermann / Alex Muñoz  
Haptic Boards / Making / Design / Sonic Algorythms : Xavier Manzanares*

*Project Keywords :  
BeeHealth / Sensors / Ecology / Immersive Experience  
Tech: RaspberryPi / Arduino / Pd / Transducers / Electronics*



2017 / --

### **Paisatges Aurals**

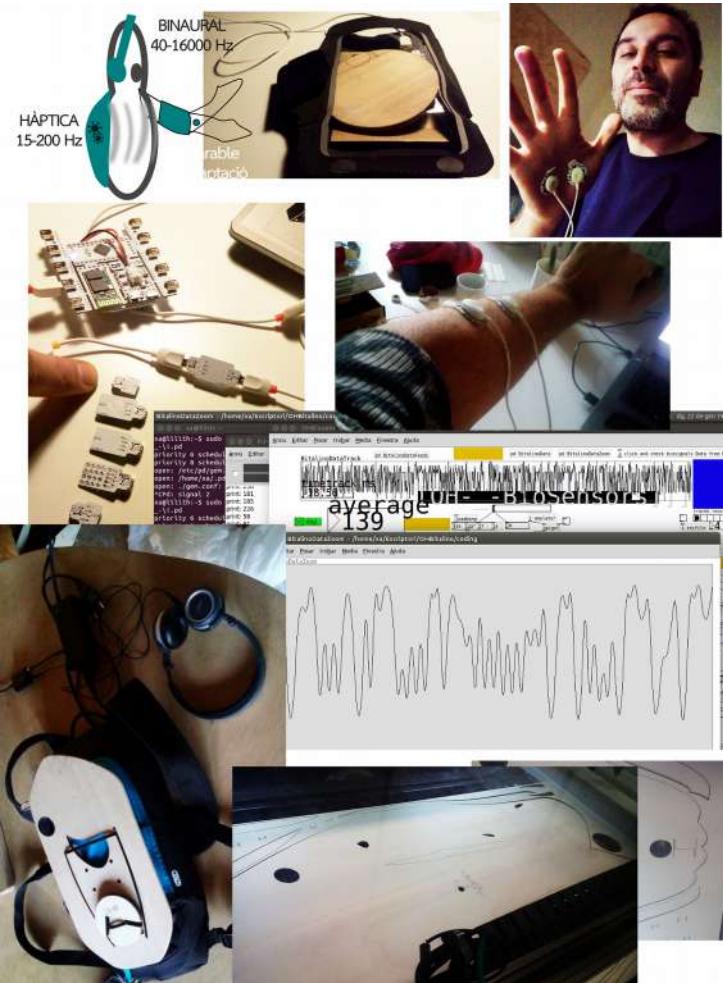
*Immersive Installation which  
dance patterns generate music  
tech patterns*  
<http://beagoller.net/aurals/>

*Researchers : Bea Goller  
Tech Developers : Xavier*

*Manzanares  
Making : Bea Goller + Xavier  
Manzanares*

*Project Keywords :*

*Proprioception / Perception / Patterns / Sonic Game / Immersive Experience  
Tech: Piezo Electric Sensors / Electronics*

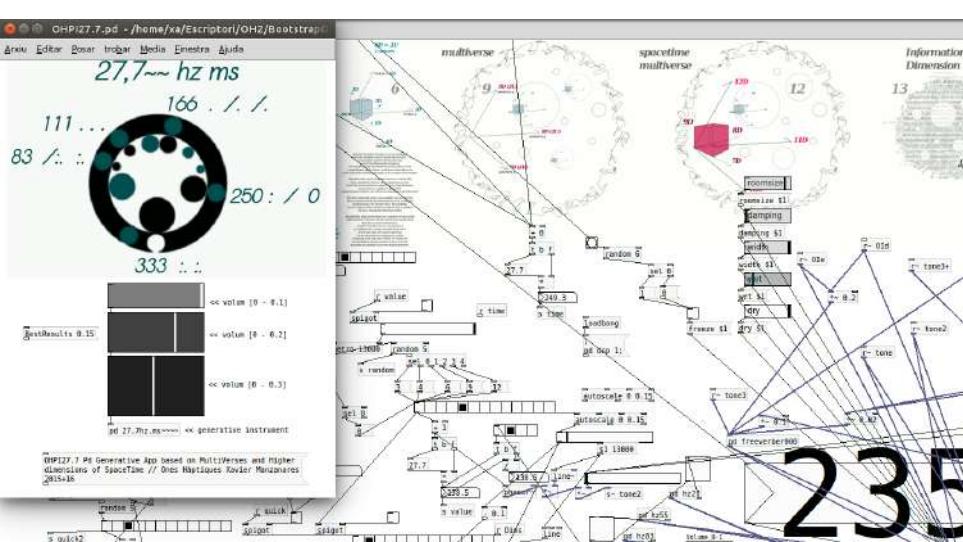


**2016 / 2017**  
**Ones Haptiques BIO-Sensors**  
*Ones Haptiques / Haptical Waves Research*

Dual autitive and haptical listening devices  
 Wearable Prototyping

<http://noconventions.mobi/oneshaptiques>  
<http://noconventions.mobi/oneshaptiques/code/OHBioSensors.zip>  
<https://www.youtube.com/watch?v=7wgorP8NoVs>

Developers : Xavier Manzanares  
 Project Keywords :  
 BioSignaling / Body / Haptics / Generative Compositions /  
 Vibration / Soundscaping / Perception  
 Tech: Bitalino / Pd / Transducers / Electronics



**2015 / 2016**  
**OHPI 27.7 Generative Audio App**  
*Ones Haptiques / Haptical Waves Research*

Generative Software programmed in Pd, based physical sciences theories involving multidimensional spaces (multiverses). The installation Ones Haptiques with vibrating boards (see next projects) is driven by this composition.

Developer : Xavier Manzanares

[http://noconventions.mobi/oneshaptiques/code/OHPI27.7\\_OH16.zip](http://noconventions.mobi/oneshaptiques/code/OHPI27.7_OH16.zip)

Project Keywords :



2016

**Ones Haptiques Electroacoustics Experiments**  
Ones Haptiques / Haptical Waves Research

Customized Instruments to implement  
haptical listening with transducers

<http://noconventions.mobi/oneshaptiques>  
[https://www.youtube.com/watch?v=jl3pB\\_Jf0SY](https://www.youtube.com/watch?v=jl3pB_Jf0SY)



Generative Compositions / Audio Bots /  
Soundscaping / Binaural / Multiverses  
Tech: Pd

Developers : Xavier Manzanares  
Instruments / Haptics / Ressonance  
/ Vibration / Perception  
Tech: Pd / Transducers / Electronics



Generative Compositions / Audio Bots /  
Soundscaping / Binaural / Multiverses  
Tech: Pd

2015/--

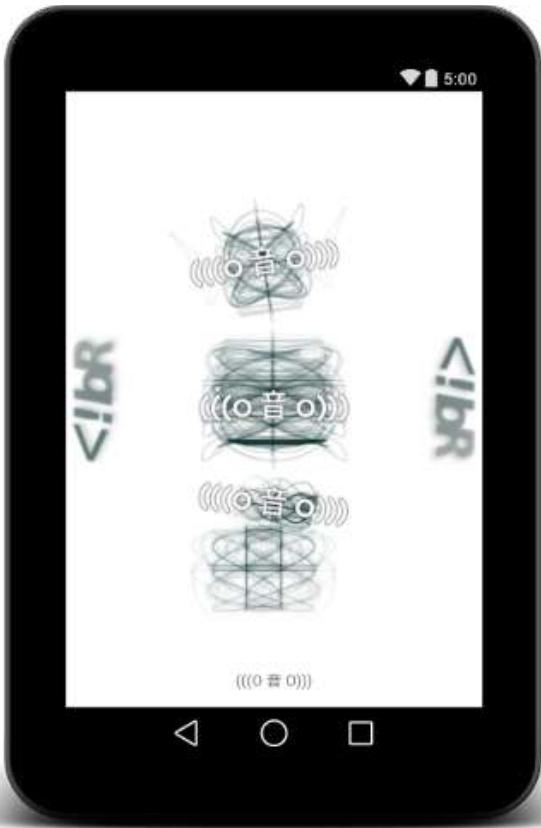
**Ones Haptiques**  
**'Surfing Waves but not Sea Waves'**  
Ones Haptiques / Haptical Waves Research

Dual autitive and haptical listening devices

<http://noconventions.mobi/oneshaptiques>  
[https://www.youtube.com/watch?v=\\_2VPcKD6sxg&t=11s](https://www.youtube.com/watch?v=_2VPcKD6sxg&t=11s)  
<https://www.youtube.com/watch?v=qvHJpavndmE>

Developers : Xavier Manzanares  
Project Keywords :  
Body / Haptics / Generative Compositions / Vibration /  
Soundscaping / Perception / Makers / Luthiers  
Tech: Pd / Transducers / Electronics



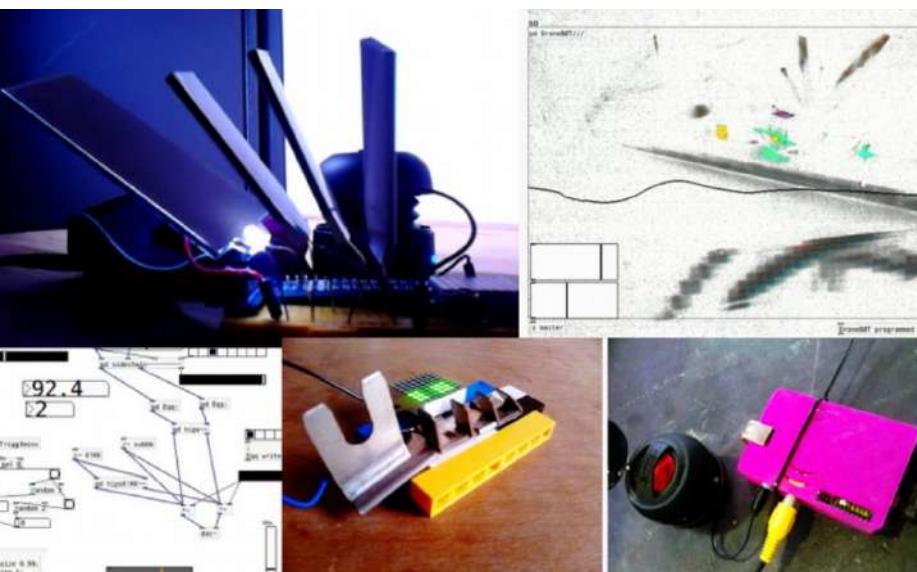


2015  
**V!BR : Testing Haptical Android App**  
 Ones Haptiques / Haptical Waves Research

Tiny Experimental App for impaired people based on vibration patterns

<http://noconventions.mobi/daax/oneshaptiques/research/>  
<http://noconventions.mobi/android/V1bR.apk>

Developers : Xavier Manzanares  
 Instruments / Haptics / Mobile Apps  
 Tech: Android Studio / Java

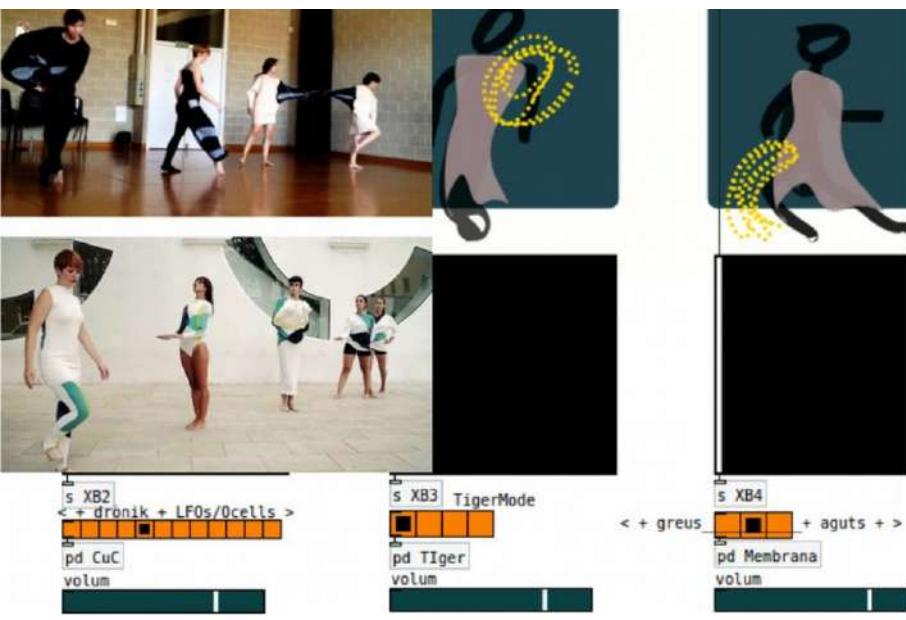


2014  
**SynthPiBots : Soundscaper Bot**

Generative device composed by a RaspberryPi and Pd App which drives automatic and generative compositions both sonic and light pulses in a synesthesia effect.  
 [Telenoika Association Grant 2013 Devel]

<http://synthpibots.wordpress.com>  
<http://www.youtube.com/watch?v=Jpe2MFsjVQw>

Developers : Xavier Manzanares  
 Instruments / Generative Compositions / Time Machines / Bots /  
 Drone Music / Soundscaping / Synesthesia / Perception  
 Tech: Raspberry Pi / Electronics / Bash Scripting / Pd



2014

### The Wearable Fashion Orchestra Sonic Instruments

TWFO\_-

Sonic Interaction Instrument for  
The Wearable Fashion Orchestra with  
ESDI Design School / Fàbrica de Creació  
L'Estruch Sabadell

<http://noconventions.mobi/daax>  
(Project TWFO\_)

[http://noconventions.mobi/TWFO/TWFO\\_-zip](http://noconventions.mobi/TWFO/TWFO_-zip)

Team : Marina Castan + Gerard Rubio +  
Miguel González

Dancers> Aina Jaume / Elisabeth Ollé / Hèctor  
Puigdomènech / Núria Rocamora / Olga Ventura

Sonic Interaction Developers : Xavier Manzanares

Keywords : Instruments / Gestures / Wearables

Tech: Pd / Xbee / Arduino / Flexometers



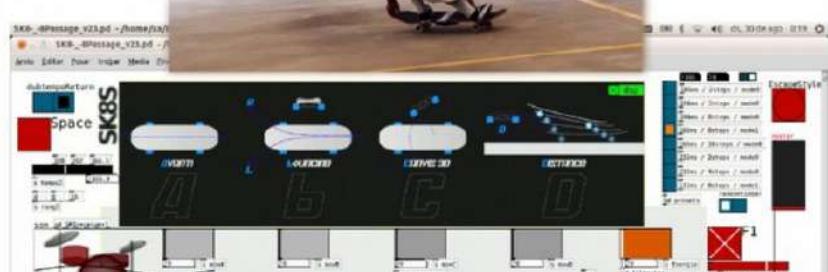
2014

### SK8SOUND Sonic Interaction Instruments

Sonic Composition made by Skateboard  
movements and Coreography

<http://noconventions.mobi/daax>  
(Project SK8SOUND\_)

<http://www.mobilitylab.net/sk8-sound>



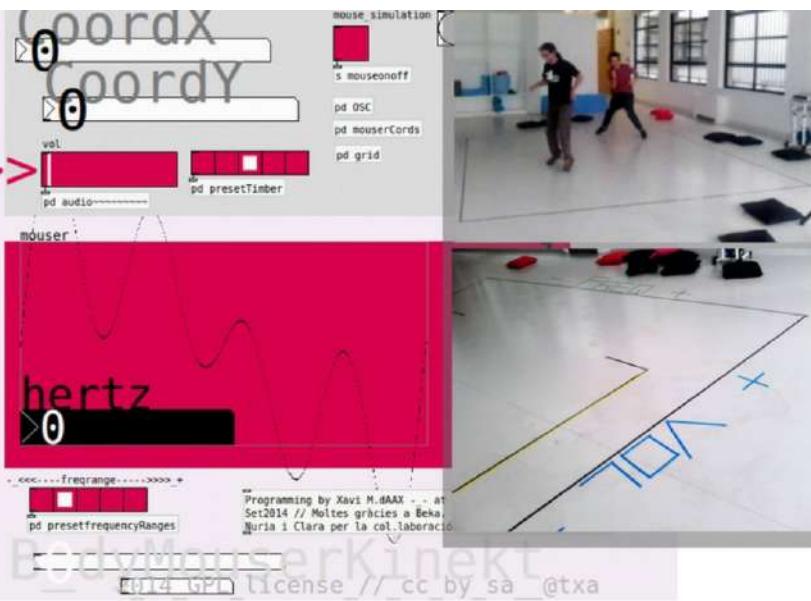
Team : Mobility LAB

Efrain Foglia / Jordi Sala / Ginebra Vall

Sonic Interaction Developers :  
Xavier Manzanares

Keywords : Instruments / Gestures / Street  
Arts/ Coreography

Tech: Pd / Android / AndOSC



**2014  
DanceJ  
Sonic Interaction Instruments**

Sonic Composition lead by body tracking

<https://audiylab.wordpress.com/artropocode2014/>

<http://noconventions.mobi/Artropocode/BodyMouserKinect--OFAp.zip>

<http://noconventions.mobi/Artropocode/B%c3%98dyMouserKinect--.pd>

Team: Alberto Cero + Beka Iglesias + Pedro Angelo + Xavi Manzanares

SummerLab Galiza / Artropocode 2014

Keywords:

Synths / Gestures / Body / Sonic Interaction

Tech: Pd / Kinect / Open Frameworks



**2014  
Data Translations  
Data translations processes from a Text**

Programming techniques translating a text into a data visualization, after a sonification and afterwards a 3D model.

All of them represents in different forms a fragment of a Text (in particular one extracted from Yago Conde's Architecture of Indeterminacy)

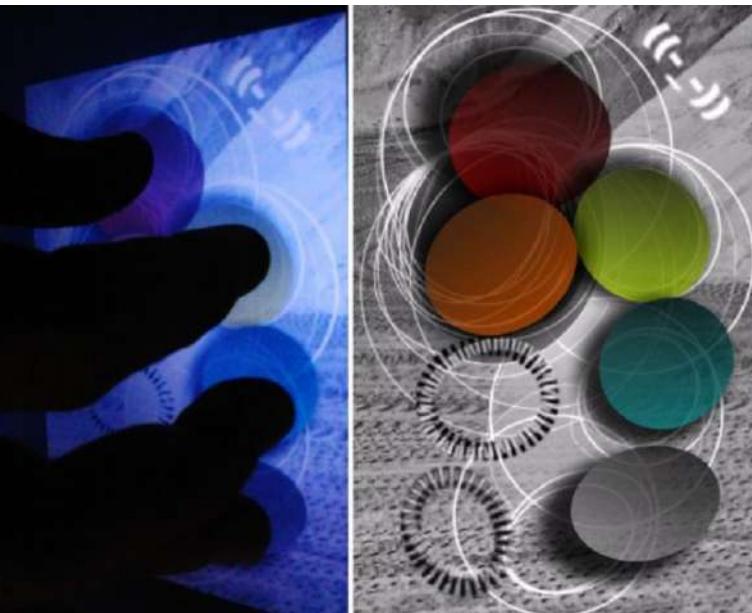
<http://audiylab.wordpress.com/datatranslations/>

Team: Bea Goller + Xavi Manzanares  
Developer : Xavier Manzanares

Keywords:

Data Translation

Tech: Pd / Python / Processing / SoundPlot



2014

### S7 Android App

MooCs Final Project : 'CSP Science of Android Apps'

'Apps'

University of Illinois at Urbana Champaign's 2014 /

<http://noconventions.mobi/daax>  
(Project S7)

<http://noconventions.mobi/Droid/S7.apk>

Developers : Xavier Manzanares  
Instruments / Haptics / Mobile Apps  
Tech: Android Studio / Java

2013

### OpenTaqfa Sequencer

Techno based patterns digital instrument

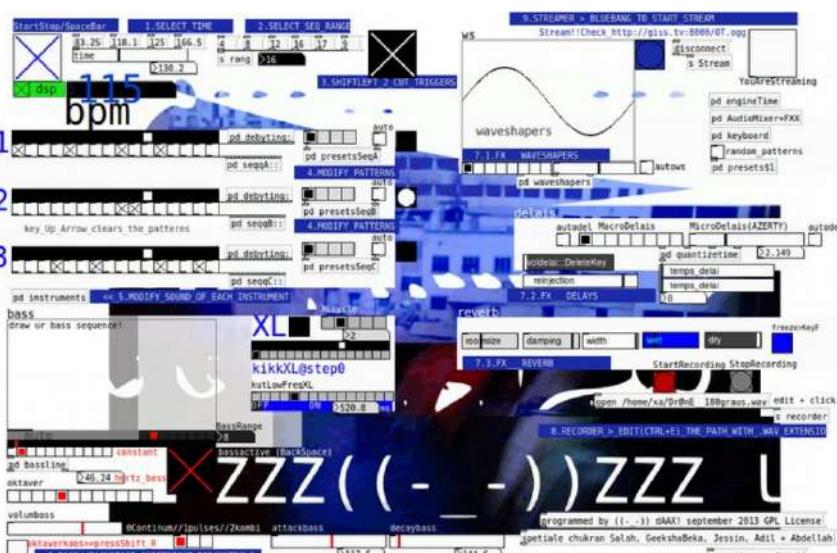
<https://audiyolab.wordpress.com/opentaqfa/>

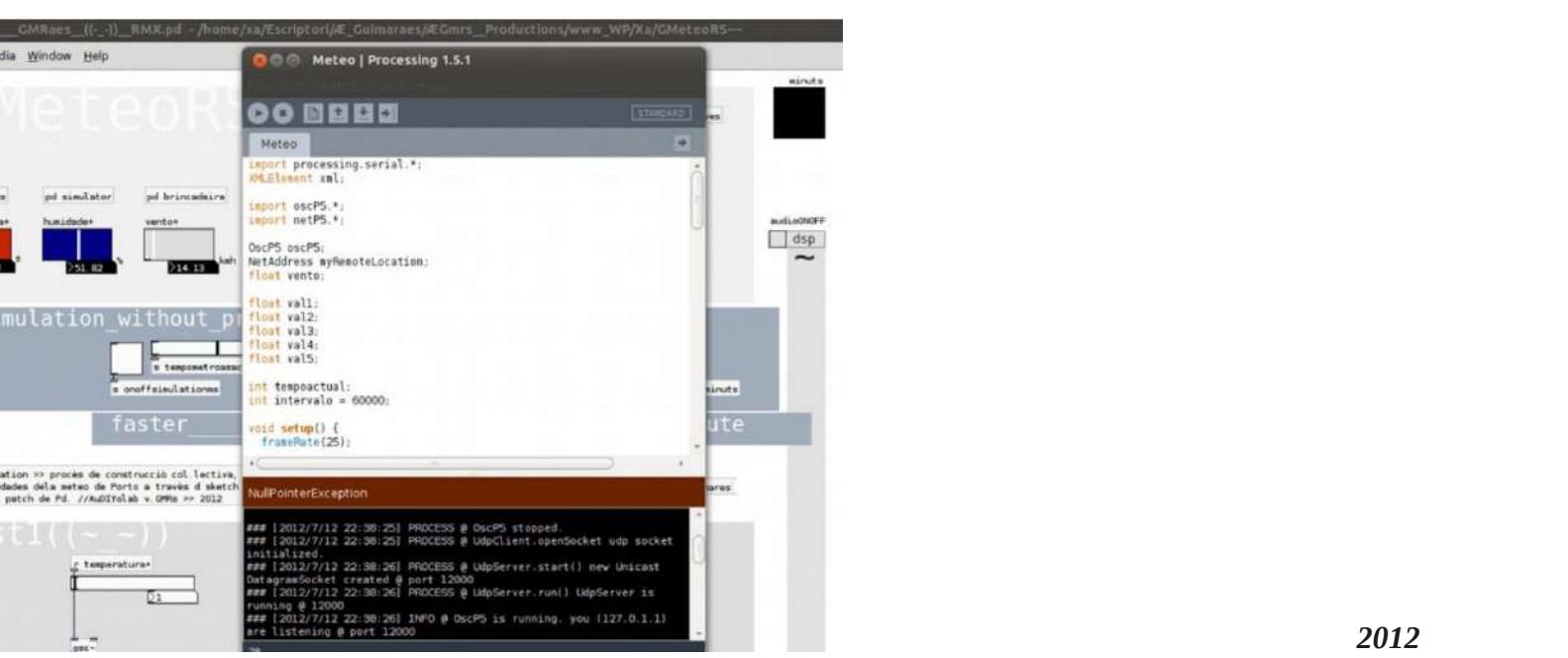
Team : Boultek Workgroup ( Jassin Adil  
Abdellah )

Casablanca Morocco

Developers : Xavier Manzanares  
Instruments / Sequencers / Synths

Tech: Pd





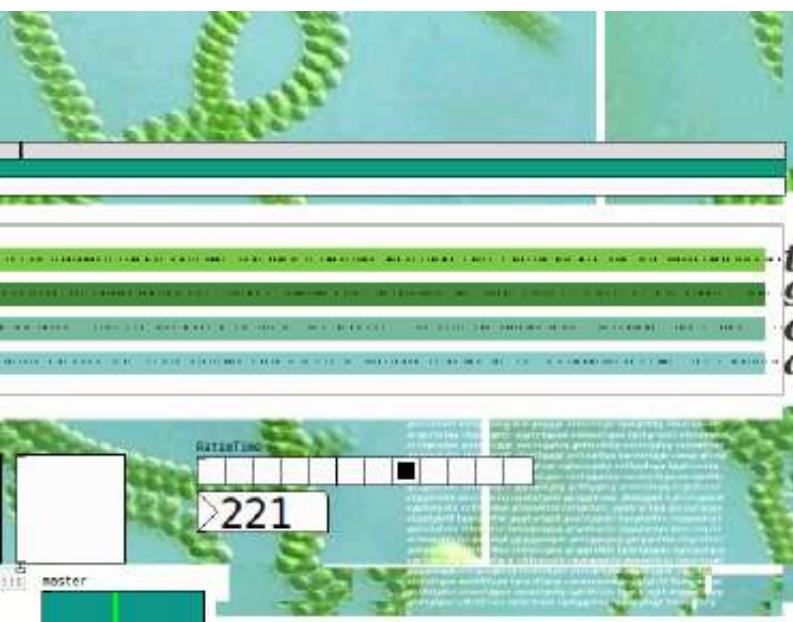
2012

### GmeteoRS / Laboratorio de Criaçao Digital Sonification instruments from Meteo parameters

[http://noconventions.mobi/auDIYolab/AuDIYolab\\_Guimaraes\\_Production\\_ptx.zip](http://noconventions.mobi/auDIYolab/AuDIYolab_Guimaraes_Production_ptx.zip)

Team : LCD Workgroup (Guimaraes Portugal)  
at Workshop done in July 2012

Sonifications / Data -translations  
Developers : Xavier Manzanares  
Instruments / Sequencers / Synths  
Tech: XML / Processing / OSC / Pd



2009

### DNARB

Instruments based on DNA code Sequencing

Sonifications / Data -translations /  
Experimental Music  
Developers : Xavier Manzanares  
Tech: txt files / Pd

[http://noconventions.mobi/DNARB/DNARB\\_perkalUKI\\_version.zip](http://noconventions.mobi/DNARB/DNARB_perkalUKI_version.zip)

Version 2015 with Spirulina DNA sequence :  
[http://noconventions.mobi/daax/img/portfolio/DNA.Spiruline.Rhythm\\_BOX.zip](http://noconventions.mobi/daax/img/portfolio/DNA.Spiruline.Rhythm_BOX.zip)