

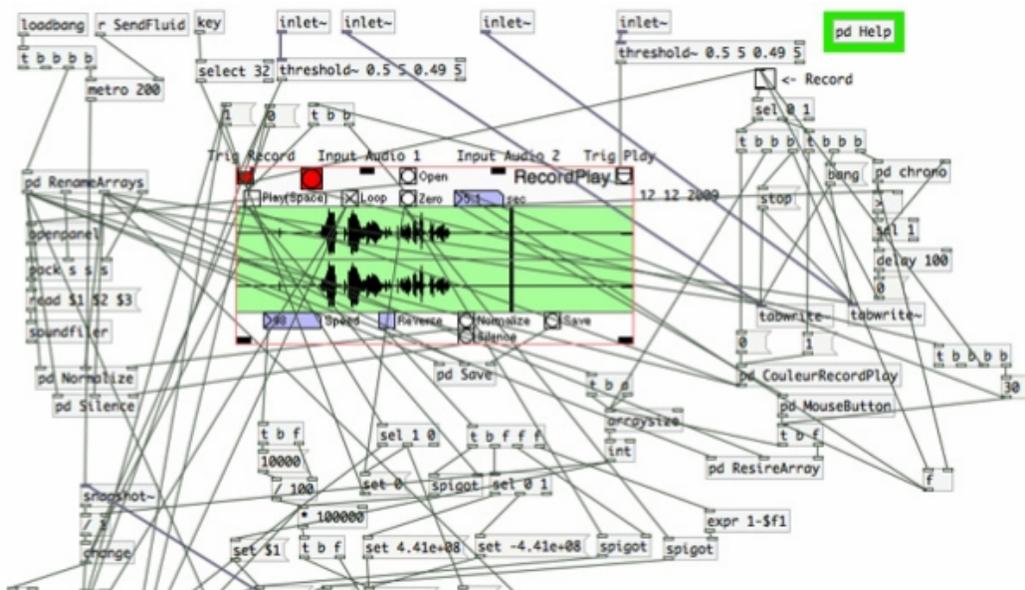
Stereolux presents :

PURE (creative) DATA

Creative Coding Days - v 1.0

March 29th and 30th, 2012

WORKSHOPS,
PERFORMANCES,
LIVE AV,
CONFERENCES,
BARCAMP...



Where ?

Stereolux in La Fabrique - 4 bd Léon-Bureau 44200 Nantes (France)



Sound and graphic design, sensor and object control, interactivity...

A very special occasion to (re)discover the multiple possibilities of Pure Data for professional, scholar, artistic and private uses, with French and international specialists.

Miller Puckette, who created Pure Data and Max/MSP will join us from California for a talk about the origins and history of these two softwares.

The Creative Coding Days are intended for everyone, whether simply curious, beginner or advanced coder. All events are free ([registration is necessary](#)).

Pure Data is an Open Source dataflow programming software for real-time sound and multimedia creation. Supported by a worldwide community, among whom several searchers and their universities, it allows the development of web, mobile and computer programs with very diverse aims, processes and forms.

Thurs. March 29th

2-6pm

2 conferences + 4 workshops to start with Pure Data

Pure Data beginners or just curious, come and see for yourself what can be done with this Open Source tool. The afternoon of the 29th is dedicated to you : project presentations and demos, workshops, short talks... it's the perfect occasion to get started with Pure Data or just discuss with artists and innovative project bearers

2-3pm : Introduction to Pure Data

Cyrille Henry and Andy Farnell will present Pure Data in 2 short conferences : project presentations by french artist Cyrille Henry and Pure Data programming basics with Andy Farnell (live coding demo).

- Andy Farnell (UK) is a teacher and sound design specialises in interactive sound environments and OpenSource programs.

<http://obiwannabe.co.uk/>

- Cyrille Henry (FR), co-founder of the chdh collective, artist and pluridisciplinary developer, he explores many fields among which interactions between human gestures and computer but also sound and graphics real-time synthesis .

<http://www.chdh.free.fr/>

3:30-6pm : Beginners Workshop

4 30-to-40-min workshops for 20 people each - Bring your laptop !

Let yourself be guided through these 4 workshops led by artists and searchers.

- **Sound design and computer-assisted music** ([Andy Farnell](#))
- **Real-time sound processing, cut-up** ([Katja Vetter](#))
- **Real-time 3D design** ([Iohannes Zmoelnig](#))
- **Sensors and objects control / Arduino** ([Pascale Gustin](#))

- [Iohannes Zmoelnig](#) (AU) is an artist and programmer at the Electronic Music and Acoustics Institute (IEM) in Graz ; he is a specialist of GEM (Pure Data real-time 3D and video library).

<http://iem.kug.ac.at/>

- Dutch artist [Katja Vetter](#) (NL) creates Pure Data tools for real-time sound recycling, she also dedicates her time to develop tools for room impulse measurements and convolution reverb design.

<http://www.katjaas.nl/home/home.html>

- [Pascale Gustin](#) (FR), artist, questions the relationship human beings foster with machines and digital objects ; she teaches Pure Data at the University of Marne-la-Vallée.

<http://www.pascsaq.org/logz/index.php>

6:30-7:30pm

Miller Puckette's conference : Pure Data, vision of a creator

[Miller Puckette](#) (US) : Musician and searcher in computer music at the University of San Diego (California), he created and developed Max/MSP at the IRCAM and is Open-Source brother Pure Data.

8-0pm (salle micro)

Artistic performances and live A/V

Egrogore / chdh / Cyrille Henri & Nicolas Montgermont (FR)

The chdh collective continues their quest for symbiosis between sound and image with Egrogore, an almost organic performance where several moving audiovisual elements reveal complex and expressive behaviors unfolding over time.

www.chdh.free.fr

Onyx Ashanti (DE)

Onyx created his own electronic musical instrument he uses in real-time with the help Pure Data and several components : Arduino card, breath controller, accelerometers become interfaces where movement helps created spectacular musical improvisations.

<http://onyx-ashanti.com/about/story/>

Eile / Yroyto (FR)

More than a performance, Eile is a creating and improvising process with objects, textures and matter manipulation. Starting with video recording and real-time generated sounds, Yroyto's Pure Data patches become the conductor of this audiovisual experience.

<http://www.yroyto.com/>

'my life in pure data' / Katja Vetter (NL)

Ktaja will tell us the story of a flute maker obsessed with frequencies ; this performance will revolve around her tool Instant Decomposer : She will create and transform the sound material

she'll be live composing.

<http://www.katjaas.nl/home/home.html>

Chun Lee (UK)

Live coding with the [expr~] object. A live coding performance for 8-bit sounds lovers. Membre of the 0xA collective (the 0xA project aims at creating an orchestra with computer programs), Chun is a musician and multimedia artist.

<http://gosub10.org/claudiusmaximus.html>

Miller Puckette (US)

Guitar performance and electronic transformation of sound.

Peter Kirn (US)

This composer and Berliner multimedia artist will perform a touch-based live audiovisual set using the combination of Pd and Processing (via a library he co-developed with libpd creator Peter Brinkmann). Working with melodic materials and samples, he forms textural architectures that reshape recordings of his piano playing and compositions, evoking movement through spaces and environments.

<http://pkirn.com/>

Fri. March 30th

You attended the beginners workshops on Thursday and want to go farther ? You already know Pure Data and are interested in an advanced sessions ? Meet the speakers, ask your questions, share your knowledge...

9-12am

2 conferences + 4 workshops to go farther with Pure Data

9-10am : Intermediary/advanced conferences

Conference 1 : *Pure Data and sound design* ([Andy Farnell](#))

The advantages of Pure Data for sound design and the creation of interactive sound effects (for example in video games).

Conference 2 : *Pure Data and ambisonics* ([Iohannes Zmoelnig](#))

Presentation of the ambisonics system (virtualised sound environment) developed for the Mumuth House of Music and Music Drama at the IEM in Graz.

10-12am : Intermediary/advanced workshops

Attend one of the 4 workshops offered by our speakers (seats limited to 20 each) :

Workshop 1 : *Acoustic measurement and reverberations* ([Katja Vetter](#))

Measure the impulse response in a room and create convolution reverberations to reproduce its acoustic conditions.

Workshop 2 : *Sound design* ([Andy Farnell](#))

Learn how to create sound effects and synthesizers.

Workshop 3 : *3D/visual creation* ([Iohannes Zmoelnig](#))

Discover the possibilities of Pure Data visual creation tool (GEM).

Workshop 4 : *From Pure Data to other programming environment* ([Peter Kirn](#)) :

Learn how to use the power of Pure Data in other programming environments (libpd) :

Processing, iOS, Java, Open framework...

Bring your laptops

2-6pm

Barcamp Pure Data

Come and meet speakers and discuss with them in a warm atmosphere in the Stereolux main hall. Depending on the participants wishes, the barcamp can hold demonstrations, live coding sessions, improvised workshops...

Installations

Two installations will be visible in the main hall during the duration of the event.

Internet_Encephalography - Art of Failure (2011)

Data will be sent from Stereolux to 193 computers located in each of the UN member countries. The varying routing times draw what could be an encephalography of the digital web, a topography of these nations on the Internet.

artoffailure.free.fr/eeg.html

Pure Data read as pure data - Nicolas Maigret (2010)

This installation proposes a tangible perception of binary code and its intrinsic qualities (structure, logic, rhythm, redundancy, compression) which are instantly shown as image and sound flows : an exploration of the Pure Data software by itself.

peripheriques.free.fr

Practical information

The event is free. Space is limited.

Please register here : <http://pure-data-nantes.eventbrite.com/>

Food available at Stereolux :

- Lunch : Thurs. 29th or Fri. 30th : eat at the Stereolux restaurant (please book your table by calling 02.53.46.32.00

- Thurs. 29th, evening : sandwiches at the Stereolux cafe (please pre-order your sandwich here : <http://pure-data-nantes.eventbrite.com/>)

If you have questions, you may contact :

- For practical information :

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- For group registrations or content inquiries :

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