

**Sonarama is the area which focuses on the latest developments in new media: installation art, audiovisual concerts, software and medialab presentations in a shared exhibition space. Sonarama will be held at the Centre d'Art Santa Mónica, which sits on the lower part of Ramblas and forms part of the Raval, where Sónar by Day will take place.**

### **Sound installations**

#### **Golan Levin/Zachary Lieberman - Jaap Blonk Y Joan La Barbara "Messa Di Voce"**

"Messa di Voce" is an audiovisual system in which the speech, shouts and songs produced by two vocalists are radically augmented in real-time by custom interactive visualization software. The installation touches on themes of abstract communication, synaesthetic relationships, cartoon language, and writing and scoring systems, within the context of a sophisticated and playful virtual world. Levin and Lieberman's software transforms every vocal nuance into correspondingly complex, subtly differentiated and highly expressive graphics. These visuals not only depict the users' voices, but also serve as controls for their acoustic playback. While the voice-generated graphics thus become an instrument which the users can perform, body-based manipulations of these graphics additionally replay the sounds of the users' voices thus creating a cycle of interaction that fully integrates the visitors into an ambience consisting of sound, virtual objects and real-time processing.

[web](#)

#### **r a d i o q u a l i a - "Radio Astronomy"**

"Radio Astronomy" correlates the processes associated with broadcast radio (the transmission of audible information) and the processes of radio astronomy (the observation and analysis of radiated signals from planets, stars and other astrophysical objects). The signals from planets and stars are converted into audio and then broadcasted on-line and on-air. The project is a literal interpretation of the term, "radio astronomy". It is a radio station broadcasting audio from space. r a d i o q u a l i a consider radio telescopes to be radio receivers, which are listening to radio signals being transmitted from planets and stars. Thinking of radio in this way radically enlarges the concept. "Radio Astronomy" is located within this expanded field of radio. Many of the sounds emitted by these objects are fascinating from both an aesthetic and conceptual perspective, prompting comparisons with avant-garde music and electronic sound art. Yet very few people have heard these sounds, considering space to be silent, rather than the rich acoustic environment it turns out to be. "Radio Astronomy" could be seen to be a rehabilitation of the poetic resonance behind Renaissance astronomer Johannes Kepler's 'music of the spheres'. Throughout Kepler's career, he focussed on reconciling Pythagorean mysticism and the Ptolemaic system creating precise measurements of planetary orbits.

[web](#)

### **Medialabs presentation**

**ESDI**

An associated centre of the Universitat Ramon Llull, the first private University in Spain, ESDI was one of the first to offer a diploma in electronic art and digital design. It covers many different disciplines such as creation via the Internet, interactives, virtual reality, video creation, computer assisted animation, special effects and audiovisual installations. A key centre for multimedia production in Spain.

[web](#)

### **RBF-Soft presentan "VIFE-alpha v.01"**

David & Iván Rodríguez, are RBF-soft., a formation of electronic artists. These brothers work to create interactives, software, hardware, performances and interactive installations. Their last work is VIFE \_alpha v.01, the work investigates the idea of synaesthesia and her enormous possibilities creating new realities, sensations and zones, where the user can find new points of interaction. The user can create sonorous and visual compositions in real time. Hardware created: VIFE \_glove and R-CUBE IV.

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### **RIXC**

RIXC, the Center for New Media Culture, is an electronic art and media center in Riga which was founded in May 2000 by three cultural organizations in Latvia: E-Lab (Electronic Arts and Media Centre Riga), Locomotive International Film and Video Studio, and the International Baltic Centre for Human Education. The main people involved in developing the RIXC program are extremely active media artists, theorists and curators who have been instrumental in establishing local and international media art networks in the Baltic region.

[web](#)

### **RIXC presents RADIO ASTRONOM**

"Radio Astronomy" is an art and science project which broadcasts sound intercepted from space live on the Internet and on the airwaves. This project is a collaboration between r a d i o q u a l i a and radio telescopes throughout the world. Together they are creating radio astronomy in the literal sense, a radio station devoted to broadcasting audio from our cosmos. "Radio Astronomy" is part of Sonarama's sound installations.

[web](#)

### **MediaLabMadrid**

MediaLabMadrid és un programa creat l'any 2002 pel centre Cultural Conde Duque de la Regidoria de les Arts de l'Ajuntament de Madrid. The MediaLabMadrid programme was set up in the year 2002 by the Centro Cultural Conde Duque of the Arts Council of Madrid Municipal Council. Originally conceived as an exhibition space and as a laboratory open to production, research, training and the promotion of art and sciences related to new information and telecommunications technologies, MediaLabMadrid has placed Madrid on the European new media art circuit.

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### **Ramon Guardans / Dolfi Mathias / Enrique Marco (ES/DE) presentan "EA2005"**

"Ecolocación Algorítmica" enables us to analyse data on the composition of the atmosphere during the last 420,000 years, taken from air bubbles and water at different depths from an ice sample obtained at the Vostok base in Antarctica. This work is produced by Soundplots, MediaLabMadrid and Advanced Music, and it's a part of SonarMática's "Randonnée (A Walk through landscapism in the 21st century")

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### **Software presentations**

#### **Robot Software - Paul Webb**

Since 1991 Paul Webb has worked on experimental music applications, software art projects, sound installations, generative systems for live performance and music agents - systems in which multiple computers are able to improvise music with each other without human intervention. Current projects include "Cindy" (with musician Isbell Espin), an autonomous, post-human co-performer, rich with satirical humour & personality, and "liveCodeDSP", a language for the "live" manipulation of music algorithm.

[web](#)

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#### **Processing - Casey Reas**

Processing is a programming language and environment built for the media arts and design communities. It is created to teach fundamentals of computer programming within a visual context and to serve as a software sketchbook. It is used by students, artists, designers, architects, and researchers for learning, prototyping, and production. It is available for Windows, Linux and Macintosh. Processing is an open project initiated by Ben Fry and Casey Reas.

[web](#)

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#### **Toplap - Adrian Ward, Alex Mclean y Dave Griffiths**

TOPLAP (the Temporary Organisation for the Promotion of Live Algorithm Programming) is a collective of over twenty artists interested in live manipulations of running algorithms. TOPLAP compliant artists are programmers who edit their code while it is executing, allowing immediate feedback and fast development of improvised works, even during a performance. TOPLAP ideals have surfaced in livecoding tools, such as the audio applications Pure Events and feedback.pl, and the VJ tool Fluxus.

[web](#)

### **Modul8 – Garagecube**

Modul8 is a revolutionary MacOS X application designed for real time video mixing and compositing. It has been designed for VJs and live performers. Created by professional VJs and developed by real time imaging specialists, all coming from the video game industry, Modul8 offers a state of the art user-interface combined with very high performances. All compositing is done through OpenGL and at the heart of the software is the Open Media Toolkit, the open source multi-media engine of Garagecube. Simply the fastest...

[web](#)

### **Red Libre Red Visible - Clara Boj**

Red Libre Red Visible (Free Network Visible Network) looks at the visualisation of the exchange of information flows through wireless networks as a means of helping communities that demand free of charge access to the Internet. At the same time, it uses the effort to intervene in an urban setting, generating new meanings in the collective space. A way of redefining the concept of public space by generating visible connectivity networks that blend physical space with digital space.

[web](#)

### **Gollum - Lluís Bigorda Y Tatania De La O**

Gollum aims to be a web interface for the Al-jwarizmi project. Based on Pure Data, a graphical programming environment for the real-time processing of audio-video, Gollum has taken advantage of the free software for the distributed production of multimedia contents on the Network. Al-jwarizmi captures and mixes real-time streams produced by a swarm of geographically disseminated participants/producers.

[web](#)

### **MIDIpoet - Eugenio Tisselli**

MIDIpoet is a development environment that allows visual pieces with text and images to be created through a diagram-based visual language. With the pieces created using MIDIpoet, texts and images are manipulated using the PC keyboard, or via a MIDI device. MIDIpoet is geared towards the creation of "extended musical instruments" which, through MIDI, can generate visuals in addition to sound.

Download it free of charge from [www.motorhueso.net](http://www.motorhueso.net)

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### **Gullibloon – Gullibloon**

Gullibloon is about sonification and visualization of network activities – network activity is scanned, processed and transformed into sound and images in real time. The result of the transformation into multi media data is also being fed back into the system as audio and video streaming sources available to the public. It is built on top of OpenSoundControl and consists of a collection of programs as well as the entirety of protocol these programs define. Gullibloon is a collective tool where the network becomes the instrument.

[web](#)

### **Rand (%) - Joe Gilmore y Tom Betts**

int rand ( void ); rand()% is an automated net radio station streaming real-time generative music. It is a platform for broadcasting process-based audio art by artists, musicians and programmers and for investigative research into randomness, chance and probability in algorithmic music composition.

rand()% takes it's name from the function for generating a random number in C++. Contributing artists include: Lia, Alku, pix, Dieb13, Fehler, Steinbrüchel, Dextro, Mijim and Stockhausen.

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### **Audiovisual concerts**

#### **FUSS!**

A Spanish-German collective with a multi-disciplinary heritage. A fraternising electronic and obsessive group. A swarm of visual creation and random sound digression... Fuss! presents "Ambientador": an experiment of advanced artistic communication. A multimedia application. A versatile audiovisual sequencer. An enhancer of sensations and ideas in real time. A generator of personalised settings.

[web](#)

#### **Smgwaw + Dregs**

SMGWAW (Sadomasochist Global War Against Women) + DREGS (Direct Raw Experimental Grand Stamina). A simulation of post-modern Hell; sound and vision torture that places us in Abu Graib prison. The pornwar, an aseptic replacement for real porn, broadcasts daily televised bulletins in the form of snuff movies. A performing array with a pictorial source and programmed for use in real time with Linux and Pure Data. (PD-PDP-PiDiP-PDP OpenGL). Marta Paz, Pablo de Soto, Yves Degoyon.

[web](#)

#### **Mikomikona**

With the piece "Fourier-Tanzformation I+II" Mikomikona present a physical-semiotic experiment. Two projections of black & white moiré patterns are filmed with small black and white video cameras and the video signal is transformed into acoustic events by an image-sound-converter, a small self-developed hardware device which eliminates the video's sync signal. This ensemble of analogue techniques represents an opto-electronic synthesizer with two crossed outputs: image and sound. What you see is what you hear.

[web](#)

#### **Cineplexx & Abe**

"The Synchronised Dance of the Magnetic Peanuts" is a disturbing documentary made by Alex Beltran and Sebastián Litmanovich. The in-depth investigation discloses important testimonies, including that of Adam West. Revealing experiments place Claude's theory in doubt and even question whether Man did in fact reach the Moon. The audio-visual documentary will be presented live. Guest artist: Sebas Kramer.

[web](#)

### **Slub Vs Nebogeo**

Slub's hand crafted livecoded beat processes meet Nebogeo's livecoded VJing. All emmersed in TOPLAP compliant self-built livecoding environments, working live to make software good enough to make you dance and broken enough to keep you interested. All code will be projected so you can see the code structures form and break down with the sounds and visuals.

[web](#)

### **Laurent Garnier Cinemix**

In 2003, The Albert Kahn Museum and the Louvre Museum Auditorium in Paris invited Laurent Garnier to create a score to accompany a multi projection entitled "Inventory Before Disappearance". This program which associates rare images to live mixed music, presents a contemplative trip through films and pictures which were collected all around the world by film makers and photographers explorers on the initiative of Albert Kahn in the 1910's and 1920's for an ambitious project entitled "Archives for the Planet".

[web](#)

### **My Robot Friend**

My Robot Friend's manic, multimedia live shows have gained him a stellar reputation in the international music scene. Developed and engineered for many years, his sound and image have already been burned into many minds using his special spark and fire shooting light-up suit. My Robot Friend (a.k.a. Howard Robot) has appeared on Rolling Stone's Hot List alongside Jennifer Aniston, and has showcased his robot singing/song-writing abilities around the world on stages, opening for luminaries such as the Scissor Sisters, Le Tigre and Herbert.

[web](#)

### **Skoltz\_Kolgen**

"FLÜUX:/TERMINAL" is a bipolar performance that skoltz\_kolgen have named 'Diptyque Rétinal'. As in all of their work, here their research has established a point of contact between sound and image. But "FLÜUX:/TERMINAL" pushes the dialogue between these two elements one step further: their performance creates a dramatic trajectory, fuelled by the panoramic tensions (left/right) between hearing and seeing.

[web](#)

### **Rei Harakami & Shiro Takatani**

Since his 1998 debut with "Unrest" through to his latest work "Lust", Harakami has achieved the status of cult producer in his native Japan, where he has worked alongside Great3, Nobukazu Takemura and Cold Cut. This time around, he rekindles his collaboration (which started at Sonarsound Tokyo, in 2004) with Shiro Takatani, Dumb Type founder and a top drawer visual artist.

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## **Seminars (LIMITED CAPACITY more info at: Centre d'Art Santa Mònica)**

### **Real Time. A new audiovisual grammar**

Real Time presents itself as a space for theoretical reflection and discussion around the common points and differences between two circuits of the same reality -contemporary creation- which are usually presented as different universes. On the one hand, the museums, art centres and contemporary art biennales; on the other, the festivals, exhibitions and events organised around technology and the new media. The seminar is led by Rosa Pera for the Audio programme of the Centre d'Art Santa Mònica, in collaboration with Sónar.

### **Thursday 16 june**

Rosa Pera (Curator, Barcelona)  
Pedro Soler (Curator Sonarama, París-Barcelona)  
Oswald Berthold /Farmer's Manual (Artist, Austria)  
Neus Miró (Curator, Barcelona)  
Berta Sichel (Curator, Centro de Arte Reina Sofía, Madrid)  
Laura Baigorri (Universitat de Barcelona)

### **Friday 17 june**

Christine Van Assche (Curator, Georges Pompidou, París).  
Lia (Artist, Austria)  
Antoni Abad (Artist, Barcelona)  
Casey Reas (Artist, USA)  
Dietmar Offenhuber (Artist, Austria)

### **Saturday 18 de june**

Alex Maclean/Toplap (Artist, Great Britain)  
Adrian Ward/Slub (Artist, Great Britain)  
Mia Makela-Solu (Live Cinema Artist /Cultural Activist, Finland)  
Manuel Olveira (Cuartor, Barcelona)  
Karin Ohlenschläger (MediaLabMadrid, Madrid)  
David Casacuberta (Universitat Autònoma de Barcelona)

### **Technological demos**

### **Pioneer presenta DVJ-x1**

Combinando la célebre tecnología Jog Dial (rueda de manipulación) de Pioneer con la capacidad y flexibilidad del formato DVD, el DVJ-x1, basado en el diseño del CDJ-1000 MK2, es el primer reproductor híbrido de CDs y DVDs que existe en el mercado profesional para DJs. Descubre todas sus capacidades en un set único a cargo de DJ Yoda, uno de los grandes mixmasters del Reino Unido, maestro del corta y pega, mezcla una jugosa dosis de hip-hop con clásicos de los ochenta, algo de drum'n'bass y hasta country, con el apoyo visual de un alocado collage de vídeo creado en tiempo real.

### **Stanton presents QFO**

The Vestax QFO is a circular turntable with an integrated 2-channel mixer that was designed in collaboration with San Francisco turntablist legend Dj QBert. The QFO's includes two start and stop buttons, 2-band EQ, crossfader curve control, crossfader reverse, input fader curve and reverse and a phono and input switch, allowing users to add an external source (CD, MD, MP3... ) to the mix. The demo will feature the highly skilled Dj Tillo, from Scratch Commando and Macaco: one of the main turntablism pioneers in the Spanish hip-hop arena.