

Robin Meier

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EDUCATION

Ecole des Hautes Etudes en Sciences Sociales (EHESS), Paris — 2004 - 2007

Master in Cognitive Philosophy. "Models of cognition and their experimentation in art" under the direction of Jérôme Dokic, Jean Nicod Institute (Centre National de Recherche Scientifique - EHESS - Ecole Normale Supérieure)

Conservatoire National de Région de Nice — 2001 - 2005

Degree in electro-acoustic composition with Michel Pascal.

One month exchange programme at the Center for New Music and Audio-Technologies (CNMAT), University of California, Berkeley, USA — march 2003

Composition classes with Peter Benary, Lucerne — 2000 - 2001

Music theory with Madeleine Ruggli, Zurich — 2000 - 2001

Baccalaureat of Kantonsschule Zug, Switzerland. Type A (classical greek and latin) — June 2000

Violin, Piano and music theory — 1987 - 2000

Languages

English and German as a native speaker, fluent in French, passable in Spanish

Computer skills

Signal processing, computer assisted composition, audio technologies, artificial neural networks, network programming, distributed computing (clusters).

Frequently used tools: MaxMSP, Jitter, Python, Quartz Composer, Digital Performer, AudioSculpt, ProTools, Finale, OS X

WORKS AND PERFORMANCES

Mosquito Sound Installation, Spark Festival, Minneapolis — February 2009

"Truce: Strategies for Post-Apocalyptic Computation" with Ali Momeni is an interactive sound installation with living mosquitoes.

Sound Installation, Bipperlisi, Solothurn - Langenthal — August 2008

"Bipperlisi" is an electroacoustic composition for the Kuratorium Solothurn running inside a public train. Using a GPS the music is synchronized with the passing landscape.

Installation, Palais de Tokyo, Paris — Mai - August 2008

"Last Manoeuvres in the Dark" with Frédéric Voisin, Raphael Siboni and Fabien Giraud. Generative music system running on 300 embedded computers inside as many Darth Vader helmets composing a music of darkness during 3 months.

Installation, Sous-Station Lebon - Projet Diligence, Nice — June 2007

"Experiments in Fish-Machine Communication", installation for artificial neural networks and electric fish. A computer tries to understand and imitate communication signals emitted by the fish in order to establish a dialogue with them and influence their behavior. The computer-generated fake fish-signals are fed back into the water thereby simulating the presence of a virtual fish.

Video Installation, Artrepc Gallery, Zurich — April 2007

"Remember Me?" with Noël Dernesch. Interactive study of three-dimensional vision and movement.

Performance, Forum Neues Musiktheater, Staatsoper Stuttgart — August 2006

"Taxonomy" with Olivier Pasquet. Improvised performance involving loud digital noise and gorilla masks.

Large-scale outdoor installation, Sophia Antipolis — June 8-10, 2006

"Symphonie des Machines", Audio-, video- and light-installation with Frédéric Voisin: real-time generation and synthesis of music and video by artificial neural networks running on approximately 300 CPU's interacting with complex light patterns. Enabled through partnerships with Philips, France Télécom, Infineon, CICA and others

Concert, festival "Manca", Nice — November 2004

"For Alan Turing", piano piece for two interacting artificial neural networks and performer.

Large-scale installation, "Nuit Blanche", Gare de l'Est, Paris — October 2004

"Caresses de Marquises" with Frédéric Voisin, real-time generation and synthesis of music by a multi-agent system of artificial neural networks. Artistic Director: Nicolas Frize.

Concert, festival "Manca", Nice — November 2003

"Mes Avions, Mes Rennes", electro-acoustic composition for interactive interface using beer bottles, joysticks, hammers, ballpoint pens, etc.

CONFERENCES

Centro Nacional de las Artes, Mexico D.F. — August 2009

Artist presentations, workshops and round tables on art and biology

Centro de las Artes, Oaxaca, Mexico — August 2009

Artist presentations, workshops and round tables on art and biology

Musée d'Art Moderne et d'Art Contemporain, Nice — February 2008

Presentation of "Experiments in Fish-Machine Communication".

LIEM - CDMC, Museo Nacional Centro de Arte Reina Sofia, Madrid — November 2006

Principles of signal processing in "l'Art de la sieste" by José-Manuel López López and presentation of artificial neural networks.

PRISMA meetings, IRCAM, Centre Pompidou, Paris — June 2006

"Artistic implications of artificial neural networks".

Festival Internacional de Música Contemporània, Valencia — June 2006

Principles of signal processing in "l'Art de la sieste" by José-Manuel López López and introduction to artificial neural networks.

MaxMSPJitter Workshop, Forum für Neues Musiktheater, Stuttgart — April 2006
Natural and artificial neural networks and their implementations in MaxMSPJitter.

Dorkbot, Walcheturm, Zurich — April 2006
"People doing strange things with electricity". Natural and artificial neural networks.

Tchaikovski conservatory, Kiev — September 2005
Artificial neural networks in music.

Ars Electronica, Bruckner Haus, Linz — September 2005
Presentation with Frédéric Voisin of the installation "Caresses de marquises (Nuit Blanche 2004)" at the Ars Electronica Symposium.

Fondation Laffitte, Sophia Antipolis — July 2005
Presentation with Frédéric Voisin on Artificial neural networks and the installation "Caresses de marquises" by Robin Meier and Frédéric Voisin.

Sound and Music Computing (SMC), IRCAM, Centre Pompidou, Paris — October 2004
Presentation with Frédéric Voisin on artificial neural networks and their implementation for the installation "Caresses de marquises" at Nuit Blanche 2004 in Paris.

PRISMA meetings, IRCAM, Centre Pompidou, Paris — June 2004
Presentation with Frédéric Voisin on applications of self-organizing maps in the arts. Presentation of the MaxMSP-Jitter abstraction "jit.robosom".

Forum IRCAM, Centre Pompidou, Paris — October 2003
Artificial neural networks and music. Presentation of the OpenMusic library neurOMuse by Frédéric Voisin

PUBLICATIONS

"On computing music: analytical vs. schizophrenic procedures" — forthcoming 2009
Frédéric Voisin and Robin Meier. Article published in Contemporary Music Review.

"Experiments in Fish-Machine Communication" — October 2008
"L'interaction et l'apprentissage entre le vivant et l'artificiel" published in "archée - cyberart et cyberculture artistique", Montréal.

"Models of Cognition and their Experimentation in Art" — October 2007
Master's Thesis in cognitive philosophy at Ecole des Hautes Etudes en Sciences Sociales, EHESS in Paris.

"Playing integrated Music Knowledges with Artificial Neural Networks" — October 2004
Frédéric Voisin and Robin Meier. Article published in "Sound and Music Computing (SMC) Proceedings".

"Applications musicales de cartes auto-organisatrices: jit.robosom" — June 2004
Technical paper for degree in composition. Commended "best paper".

WORK EXPERIENCE

Research

Neuromuse, CIRM, Nice — 2003 - 2006
Researcher for Neuromuse project at CIRM "neuromimetic networks and musical creation".
Director: Frédéric Voisin.

Teaching Experience

IRCAM, Centre Pompidou, Paris — 2007 - 2008
Tutor for students of the Coursus de l'IRCAM.

St. Maur Prison — April / July 2007

4 day course on audio synthesis and computer assisted composition for detainees.

Ars Numerica, Montbéliard — November 2005

Seminar on artificial neural networks in the arts and particularly music.

Poissy Prison, Paris — November 2005 / 2007

3 day course on audio synthesis and computer assisted composition for detainees.

Rectorate of public schools, Nice — March 2004

Introduction to computer assisted composition and interactive interfaces.

School of Audio Engineering (SAE), Zurich — May 2003 - March 2004

Educator for history of electronic music, basic acoustics, audio synthesis, sampling and sequencing.

Collaborations

José-Manuel López López, Muse en Circuit, Paris — Mai 2010

Electronics for "Saori" premiered at la Conservatoire de Paris, Paris.

Garth Knox, Muse en Circuit, Paris and Philharmonie Luxembourg, Luxembourg — Mai 2010

Electronics for "Cordes" premiered at la Philharmonie Luxembourg, Luxembourg.

Gérard Buquet, IRCAM, Paris — November 2009

Electronics for "L'Astre Echevelé" premiered at la IRCAM/Centre Pompidou, Paris.

Luis Rizo-Salom, IRCAM, Paris — April 2008 - June 2009

Electronics for "Trois Manifestes" premiered at Cité de la Musique, Paris.

Jérôme Combier, CIRM, Nice — June and October 2008

Electronics for "Hors Crane" premiered at Manca Festival, Nice.

Yann Robin, IRCAM, Paris — June 2008

Tutor for Robin's Diploma Piece "Art of Metal III" premiered at Centre Pompidou.

Georg Friedrich Haas and Myriam Gourfink, IRCAM, Paris — December 2007 - January 2009

Electronics for "Les Temps Tirillés" Premiered at Centre Pompidou.

Christoph Büchel, Hauser und Wirth, Zurich — February 2008

Software development for Büchel's Mickey Mouse sculpture for the Armory NYC.

Philipp Maintz, IRCAM, Paris — May 2007 - January 2008

Electronics for "Océan" for orchestra and electronics.

Martin Matalon, La Muse en Circuit, Paris — 2007 / 2008

Electronics for "Traces I - V" for soloists and electronics.

François-Bernard Mâche, CIRM, Nice — 2007

Electronics for "Manuel de Conversation" for clarinet and electronics.

Geoffroy Drouin, La muse en circuit, Paris — February 2007

Assistance for electronic realization for a piece for ensemble Itinéraire and electronics.

Lucia Ronchetti, Kultursekretariat Wuppertal, Berlin — November 2006

Electronic studies for the opera "Die Schiffbrüchigen" for choir, brass ensemble and electronics. Not completed.

Alan Hilario, Staatsoper Stuttgart - Forum für Neues Musiktheater — July 2006

Natural language processing in python for a chamber opera.

Vincent Dacosta, Paris — April 2006

Performance and improvisation environment in MaxMSP.

Stefano Bonilauri, CIRM, Nice — 2005

Electronics for "Luce Radente" for soprano, clarinet, violin, cello, piano, percussion and electronics. Premiered on november 2006 at festival "Manca" in Nice.

José-Manuel López López, CIRM, Nice — 2005

Electronics for "L'art de la sieste et autres plaisirs poétiques de l'été" for accordion, flute, clarinet, violin, cello, piano, percussion and electronics. Premiered on november 2005 at "Manca" festival in Nice.

François Paris, CIRM, Nice — 2005

Realization of a new version of "12 préludes pour quatre pianos imaginaires" for four electronic keyboards. Performed in Cannes for "Printemps des arts" of Monaco, april 2005.

Gaël Navard, Nice — 2005

Electronics for "Vali", musical theatre for 4 actors, percussion, electronic keyboard and electronics. Premiered at Théâtre de la photographie, march 2005 Nice.

Myriam Birrer, Zug, Switzerland — 2004

Editing and mixing of live recordings of "Das Hohelied der Liebe". December 2004.

Shuya Xu, CIRM, Nice — 2004

Electronics for "Le mirage de Lamu" for double quintet, piano, percussion and electronics. Premiered november 2004 at "Manca" festival in Nice.

Franck Bedrossian, CIRM, Nice — 2003

Electronics for "Digital" for double bass, percussion and electronics. Premiered november 2003 at "Manca" festival in Nice.

Stage management / technical direction for installations

Ensemble Musiques Nouvelles, RTFB, Mons — Mai 2007

CD Recording of "Amok Koma", Fausto Romitelli.

Ensemble Musiques Nouvelles, Bozar, Bruxelles — Mai 2007

"Amok Koma", Fausto Romitelli.

Ensemble Espai Sonor, Valencia — Mai 2007

"L'art de la Sieste", José-Manuel López López.

Ensemble Sillages, Instituto Cervantes, Paris — March 2007

"Las Hurdes", Martin Matalon; "L'art de la Sieste", José-Manuel López López; "Répliques", Jean-Luc Hervé.

Ensemble Sillages, Universita la Sapienza, Rome — February 2007

"Las Hurdes" by Martin Matalon.

Ensemble Sillages, Quartz, Brest — December 2006

"L'art de la Sieste" by José-Manuel López López.

Ensemble Plural, Madrid — November 2006

Concert and recording of "L'art de la Sieste" by José-Manuel López López.

"Ego Boost", Kunst Zürich — November 2006

MaxMSP Jitter implementation of Noël Dernes's video installation.

Festival "Manca", Nice — November 2006

"Luce Radente" by Stefano Bonilauri.

Musiques au Centres, Radio France (INA-GRM), Paris — October 2006

"Traces I" by Martin Matalon.

Ensemble Aleph, Cluny — September 2006

"Luce Radente" by Stefano Bonilauri.

Ensemble Sillages, Centre d'Art Contemporain Passerelle, Brest — September 2006

"little i", Marco Stroppa; "Exultitude", Gilles Racot; "Cri du berger", Jesper Nordin.

Ensemble Espai Sonor, Alicante, Spain — August 2006

"L'art de la Sieste" by José-Manuel López López.

"Mostra Sonora - Festival Internacional de Música Contemporània", Valencia, Spain — June 2006

"L'art de la Sieste" by José-Manuel López López.

"Le souffle de la terre", Diapason, Rennes — January 2006

Adaptation and installation of Lorella Abenavoli's sound sculpture.

Festival "les Musiques", Friche la Belle de Mai, Marseille — May 2005

"Amok Koma", Fausto Romitelli

"Music Biennale", Mimara Museum, Zagreb — April 2005

"Bianco ma non troppo", Martino Traversa; "Roque", François Paris; "Il ruvido dettaglio celebrato da Aby Warburg", Giovanni Verrando; "Traces I", Martin Matalon; "Ipsò", Giles Racot; "Amok Koma", Fausto Romitelli.

Festival "Sincronie". Padiglione d'Arte Contemporanea, Milano — November 2004

"Amok Koma", Fausto Romitelli; "Professor Bad Trip: Lessons I, II, and III", Fausto Romitelli; "Flecte Lapis", Atli Ingólfsson; "Drones II", Ricardo Nova.

Ensemble Sillages. Le Vauban, Brest — December 2004

"Erba nera che cresci segno nero tu vivi", Mauro Lanza; "Traces I", Martin Matalon; "Lecture d'une Vague", François Paris; "Donacis Ambra", Ivan Fedele.

Festival "Rec". Teatro Valli, Reggio Emilia — October 2004

"Amok Koma", Fausto Romitelli; "Professor Bad Trip, Lessons I, II and III", Fausto Romitelli.

Biennale "Musiques en scène". GRAME, Lyon — March 2004

Chapelle de la trinité: "Quaderni 3", Maurizio Giri; "Più Mesto", Carlo Forlivesi; "Rouge Baroque", Yann Orlarey; "Cri du berger", Jesper Nordin. Musée d'art contemporain: "Séries Musicales", works for cello and electronics by Kazuko Narita, Nicolas Gilbert, André Hamel, Malika Kishino and Daniel Blinkhorn performed by Benjamin Carat.