

C.V. ALBERTO NOVELLO, PhD
ARTIST/MUSIC PERCEPTION RESEARCHER

Address:

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Working Experiences:

- April 2009–Today. Freelance multimedia artist, researcher, developer, producer, educator.
- April 2008–April 2009. Researcher at the Media Technology Interaction department, Technical University of Eindhoven (The Netherlands) in Music Perception.
- April 2005–April 2008. Researcher at the Philips Research Laboratories, Eindhoven (The Netherlands) in the field of Digital Signal Processing and Music Information Retrieval.
- July 2004–July 2006. Teacher of Electronic Music Composition, Mathematics and Digital Signal Processing, Conservatory of Music G.F. Ghedini, Cuneo (Italy).
- February 2004–July 2004. Researcher in physical-modelling noise-synthesis, ACROE-ICA Laboratories, Grenoble (France).
- September 2001–July 2002. Researcher at the SuperESCA beamline, ELETTRA Synchrotron Light Laboratory in Basovizza, Trieste (Italy).

Selected Artistic Production/Performances:

2012 *"Fragmentation – a brainwave-controlled performance"*, EEG controlling music and visuals

2011 *"Falene: music for nocturnal butterflies"*, live cinema and electronics on one computer, commission by DobiaLab, Staranzano (Italy)

2010 *"hbar, Planck Constant"*, live electronics for flute inspired by quantum theory, commission by DobiaLab, Staranzano (Italy)

2010 *"Le Retour des Oiseaux"*, live electronics for flugelhorn dedicated to O. Messiaen, commission by Topolo Festival (Italy)

2009 *"How Much is Enough?"*, connecting people through food, commission by Biennale of Young Artists of The Mediterrean, Skopije (Macedonia), awarded the ResArtis price.

2009 *"Silent Movies Soundtracks"*, commission by VideoInferno, Amsterdam (The Netherlands)

2008. *"INtrusioni"* commission by Nationale Architectuur Instituut, Rotterdam, (The Netherlands)

2008. *"Memory happens now"*, with dance choreography L. Waysbort at Nationale Architectuur Instituut, Rotterdam, (The Netherlands).

2007. *"One"*, with S. Berckenkamp and E. Martinuzzi commission by Rive Creative Festival, Cividale, (Italy)

2006. *"Respirazione in Equilibrio"*, with D. Pirro commission by GasLab, Eindhoven (The Netherlands)

Studies:

- 2010-2011 Master in electronic music composition, Institute of Sonology, Royal Conservatory, Den Haag, NL with P. Berg, R. Barret, J. Ryan.

- 2002-2009 PhD degree in Music Perception, Technische Universiteit Eindhoven, with A. Kohlrausch and M.F. McKinney.
- 2003-2004 Master "Art, Science Technologies", Institut National Polytechnique de Grenoble (INPG), with C. Cadoz and J.C. Risset.
- 1996-2002 Bachelor and Master in Physics with specialisation in Acoustics and Epistemology of Science, University of Trieste.
- Piano and violin studies at Conservatory of Music J. Tomadini in Udine (Italy). Private studies of contemporary music, modern harmony, composition and improvisation with G. Marangone, G. Mayer and J. Bigot.

Knowledge/Skills:

- Languages:

Italian: Mother language, English: Fluent, French: Fluent, Dutch: Good, Spanish: Good, German: School level.

- Programming and Multimedia:

Languages: C++, Java, Tcl/Tk, html/php. Software for data analysis (MATLAB) and digital signal processing for music (Max/MSP, PD, CSound, SuperCollider, several DAWs), image and video processing (Jitter, QC, Processing, Final Cut).

Selected Publications:

"Invisible to visible : the EEG as a tool for music control and creation", Master Thesis, Library of the Royal Conservatory, Den Haag (2012).

"Algorithmic evaluation of inter-song similarity in Western Popular music", accepted for publication, JNMR (2012).

"Perceptual evaluation of inter-song similarity in Western Popular music", JNMR, 40-1 (2011).

"Perceptual and algorithmic evaluation of inter-song similarity in Western popular Music", PhD thesis, Technische University Eindhoven press. (2009).

"Musical Scene Analysis: Applying the laws of stream segregation to music", CMMAS Journal" (2009)

"Perceptual constraints in systems for automatic music information retrieval", ICA Proceedings (2007).

"Assessment of perceptual music similarity", ISMIR Proceedings (2007).

"Perceptual constraints in systems for automatic music information retrieval", ICCE Proceedings (2007).

"Perceptual Evaluation of Music Similarity", ISMIR Proceedings (2006).

"Noise Synthesis by a Physical Modelling point of view: Genesis Environment", ACROE-ICA library (2004).

Selection of Expositions/Performances/Residencies:

Centro De Musica y Artes Sonoras, Morelia, Mexico

Thamgidi Foundation, Arnhem, The Netherlands

Network Festival, Venice, Italy

Network Festival Birmingham, UK
Rewire Festival, Den Haag, Netherlands
Sonic Acts, Amsterdam, Netherlands
Todays Art, Den Haag, Netherlands
Logos Foundation for Robotics, Gent, Belgium
Dag In De Branding, assisting A. Lucier, Den Haag, Netherlands
Conduction in Den Haag, assisting B. Morris, Den Haag, Netherlands
Trevor Wishart workshop, assisting T. Wishart, Den Haag, Netherlands
Melweg, Amsterdam, Netherlands
Paradiso, Amsterdam, Netherlands
Skopje Biennale, Macedonia
Koper Biennale, Slovenia
Royal Conservatory Den Haag, Netherlands
GRM, France
National Architectuur Institute, Rotterdam, Netherlands
Beijing Studio Center, Beijing, China
New Interfaces for Musical Expression, Ann Arbor, Michigan
International Butoh Festival, Dharamsala, India