

## >... publications & événements

### Chapitres d'ouvrage ou ouvrages

N.Delprat, C.Jacquemin, C.d'Alessandro, Recherches arts-sciences au LIMSI-CNRS: conversation à trois voix, in Images Interactives: Arts, Sciences et Cultures du Visuel, 16 p., sous la direction de J-P Fourmentraux, collection Essais, Editions de la Lettre Volée, Bruxelles, 2016

N. Delprat, Walking clouds and Augmented Reverie in Water is in the Air: Physics, Politics and Poetics of Water in the Arts, Annick Bureau (Ed.), Leonardo/ISAST, MIT Press, Leonardo ebook series, Kindle Edition, February 2014

R.Ajaj, N. Delprat, C. Jacquemin, Le brouillard comme objet de simulation :la question du sensible et de l'imaginaire, in Simulation technologique et Matérialisation artistique - une exploration transdisciplinaire arts/sciences, Paris, L'Harmattan, 2012

Simulation Technologique et Matérialisation Artistique - Une exploration transdisciplinaire Arts/Sciences, S. Bianchini, N. Delprat, C. Jacquemin (Editeurs), L'Harmattan, janvier 2012.

Frederic Bevilacqua, Norbert Schnell, Sarah Fdili Alaoui, "Gesture Capture: Paradigms in Interactive Music/Dance Systems", TanzKongress-press 2011.

C. d'Alessandro , "Orgues, musiques et musiciens à Sainte-Élisabeth», monographie, « la Flûte Harmonique », n°91, 2011, 224 pages.

Christophe d'Alessandro (2011) « The acoustics of tangent-string interaction in the clavichord compared to hammer-string interaction in the fortepiano" De Clavicordio, XI, B. Brauchli, A. Galazzo, J. Wardman, eds. ISBN 978-88-900269-5-9.

Christophe d'Alessandro, Charles Besnainou, Luc Ginieis (2008) « Acoustic portrait of four clavichords : tangent velocities, loudness and decay times » De Clavicordio, VIII, B. Brauchli, A. Galazzo, J. Wardman, eds. ISBN 978-88-900269-5-9, p201-213

C. d'Alessandro « Analyse des différents stimuli auditifs : musique, langage et bruit. Etude comparative » in « le cerveau musicien . Neuropsychologie et psychologie cognitive de la perception musicale » édité par Bernard Lechevalier, Hervé Platel, Francis Eustache, De Boeck, Bruxelles, 2007, chapitre 2, p. 33-46.

Jacquemin C., and Georges Gagneré. *Image de synthèse temps réel pour la performance augmentée dans le spectacle vivant*. In, J. Regottaz, editor, Interfaces numériques, Hermes, 2007. C. d'Alessandro, B.F.G. Katz, F. Boudet « On the acoustics of the clavichord » in De Clavicordio VII, 2006, pp. 171-182.

### Revue internationale avec comité de lecture

D.H. Truong, C. Weisman, D. Baltean Carlès, F. Jebali Jerbi et J. Rémus, Etude du démarrage du son produit par un instrument de musique thermoacoustique : le thermophone, Congrès Français d'Acoustique 11-15 avril 2016

S. Fdili Alaoui, F. Bevilacqua, C. Jacquemin, Interactive Visuals as Metaphors for Dance Movement Qualities, *ACM Transactions on Interactive Intelligent Systems (TiiS)*, 2015, vol.5, n°3, 23

Delprat N., Walking clouds and Augmented Reverie, *Leonardo MIT Press Journal*, Vol. 47, n°1, February 2014.

N.Delprat, C.Jacquemin, VIDA: une thématique art-science dans un laboratoire de recherche scientifique, *revue Technique et Sciences Informatiques*, vol 32, juin 2013.

Jacquemin C., Ajaj, R., Planes, B.. (2011). Alice on Both Sides of the Looking Glass: Performance, Installations, and the Real/Virtual Continuity. *Comput. Entertain.*, ACM, New York, NY, USA.

Jacquemin, C., Ajaj, R., Le Beux, S., d'Alessandro, C., Noisternig, M., Katz, BFG, Planes, B. (2010). Organ Augmented Reality: Audio-Graphical Augmentation of a Classical Instrument. *International Journal of Creative Interfaces and Computer Graphics (IJCICG)*, Vol. 1, Number 2, 51-66. Information Resources Management Association.

Sarah Fdili Alaoui, Frederic bevilacqua, Bertha Bermudez, Christian Jacquemin, Dance Interaction with physical model visualization based on movement qualities, Accepted at *International Journal of Arts and Technology, IJART 2011*.

Christophe d'Alessandro, Albert Rilliard, and Sylvain Le Beux "Chironomic stylization of intonation" *J. Acoust. Soc. Am.*, 129(3), march 2011, 1594-1604.

N. Delprat, C. Leroux, S. Fdili Alaoui, Experience of a cloud-avatar: scientific challenges and artistic perspectives, *International Journal of Design and Innovation Research (IJODIR)*, Vol 6-n°1, 2011.

Christophe d'Alessandro "On the dynamics of the clavichord: From tangent motion to sound" *J. Acoust. Soc. Am.*, Volume 128, No. 4, October 2010, pp. 2173–2181.

N. D'Alessandro, B. Doval, C. d'Alessandro, S. Le Beux, P. Woodruff, Y. Fabre, T. Dutoit « RAMCESS: Realtime and Accurate Musical Control of Expression in Singing Synthesis », *Journal on Multimodal User Interfaces*, Vol. 1, No. 1, March 2007, p 31-39.

Jacquemin C., and G. Gagneré. *Revisiting the Layer/Mask Paradigm for Augmented Scenery*. *International Journal of Performance Arts and Digital Media*, 2(3), 237-258, 2007.

## Conférences internationales avec comité de lecture

O. Perrotin, C. d'Alessandro, "Visualizing Gestures in the Control of a Digital Musical Instrument", *Proceedings of the 2014 International Conference on New Interfaces for Musical Expression (NIME14)*, Goldsmiths, University of London, UK, June 30-July 4, 2014, pp. 605-608

L. Feugère, C. d'Alessandro, « Gesture analysis of voice synthesis chironomy », *14th International Conference on New Interfaces for Musical Expression (NIME 2014)*, London, UK, pp 86-87

Lionel Feugère, Christophe d'Alessandro, and Boris Doval, (2013) « Performative voice synthesis for edutainment in acoustic phonetics and singing: a case study using the Cantor Digitalis », *Proc. 5th International Conference on Intelligent Technologies for Interactive Entertainment, Revised and selected papers, LNICST 124*, pp. 169-178, 2013

O. Perrotin, C. d'Alessandro, "Adaptive mapping for improved pitch accuracy on touch user

interfaces”, Proceedings of the 2013 International Conference on New Interfaces for Musical Expression (NIME13), Daejeon + Seoul, Korea Republic, May 27-30, 2013, pp. 186-189

Delprat N., Virtual temporalities and body realities, International Symposium on the Digital Subject, University of Paris 8 Vincennes Saint-Denis, Archives nationales, November 12-14, 2014.

L. Feugère, C. d'Alessandro, « Digitartic: bi-manual gestural control of articulation in performative singing synthesis, » 13th International Conference on New Interfaces for Musical Expression (NIME 2013), Daejeon, Korea, 27/05 au 30/05, 2013, 331-336.

L. Feugère, C. d'Alessandro, and B. Doval, «Performative Voice Synthesis for Edutainment in Acoustic Phonetics and Singing: A Case Study Using the “Cantor Digitalis », M. Mancas et al. (Eds.): », 5th International Conference on Intelligent Technologies for Interactive Entertainment, INTETAIN 2013, Revised and Selected papers, LNICST 124, pp. 169-178, 2013

Giraud T., Courgeon M., Tardieux M., Roatis A., Maitre X. A three-dimensional mirror augmented by medical imaging: Questioning self-portraying at the limit of intimacy, CHI '14 Extended Abstracts on Human Factors in Computing Systems (CHI EA '14), Toronto, 04/2014

B. F. Katz, M. Noisternig, and O. Delarozière, Scale model auralization for art science and music: The Stupaphonic experiment, in EAA Joint Symposium on Auralization and Ambisonics, (Berlin), pp. 14-19, 3-5 April 2014

S. Fdili Alaoui, C. Jacquemin, F. Bevilacqua, Chiseling Bodies: an Augmented Dance Performance, CHI '13 Extended Abstracts on Human Factors in Computing Systems (CHI EA '13) (CHI EA '13 2013), Paris, 27/05 au 02/06, 2013, 2915-2918, paru dans ACM, New York, 2013

Jacquemin, C., Gagneré, G., Lahoz, B. Shedding Light On Shadow: Real-time interactive artworks based on cast shadows or silhouettes. In Proceedings of the 19th International Conference on Multimedia 2011, Scottsdale, Arizona, USA. Nov 28 - Dec 1, 2011. ACM. 2011.

Christophe d'Alessandro « Computerized Chironomy : Five Years of Gesture-Controlled Voice and Speech Synthesis at LIMSI”, 1st International Workshop on Performative Speech and Singing Synthesis (p3s), Vancouver, 14-15 mars 2011 (invited conference).

Sylvain Le Beux, Lionel Feugère, Christophe d'Alessandro, « Chorus Digitalis : experiment in chironomic choir singing » Proc. Interspeech 2011. 12th Annual Conference of the International Speech Communication Association.

Lionel Feugère, Sylvain Le Beux, Christophe d'Alessandro, « Chorus Digitalis : polyphonic gestural singing », In Proceedings of the 1st International Workshop on Performative Speech and Singing Synthesis (p3s), Vancouver, , 14-15 mars 2011.

Christian Jacquemin & Benjamin Lee Martin. Interactive Animation of a Largescale Crowd for Art Installations. The Case of Humanography.. In Proceedings of ISEA 2010, August 20-29, 2010, Ruhr, Germany. 2010.

Jacquemin, C., Chan, W.K., and Courgeon, M. Bateau Ivre: An Artistic Markerless Outdoor Mobile Augmented Reality Installation on a Riverboat. In Proceedings of the 18th International Conference on Multimedia 2010, Firenze, Italy, October 25-29, 2010. ACM. 2010.

Jacquemin, C., and Hung, H. Encounter (Resonances).. In Proceedings of the 18th International Conference on Multimedia 2010, Firenze, Italy, October 25-29, 2010. ACM. 2010.

Sarah Fdili Alaoui, Baptiste Caramiaux, Marcos Serrano, Frederic Bevilacqua. Dance Movement Quality as Interaction Modality, submitted at CHI12, Austin, 2012.

Baptiste Caramiaux , Sarah Fdili Alaoui , Tifanie Bouchara , Marc Rébillat. Gestural Auditory and Visual Interactive Platform, Proceedings of Dafx2011, Paris, 2011.

Sarah Fdili Alaoui, Baptiste Caramiaux and Marcos Serrano. From dance to touch: movement qualities for interaction design, Proceedings of CHI11, Vancouver, 2011.

N. Delprat, C. Leroux, S. Fdili Alaoui, In the clouds - Virtual experience of a matter, Proceedings 13th VRIC, LavalVirtual, 2011.

N. Delprat, Elaboration d'une approche arts science : prétextes, tentatives et questions, Actes des 30emes Journées Internationales de Chamonix: Arts, Sciences et Technicités, mai 2009.

Christophe d'Alessandro, Markus Noisternig, Sylvain Le Beux, Lorenzo Picinali, Brian Katz, Christian Jacquemin, Rami Ajaj, Bertrand Planes, Nicolas Strurmel, Nathalie Delprat « the ORA Project: audio-visual live electronics and the pipe organ », proceedings of International Computer Music Conference, ICMC 2009, Montréal, Canada. ISBN : 0-9713192-7-8, p477-480

*Martin, J.-C., Jacquemin, C., Pointal, L., Katz, B., d'Alessandro, C., Max, A. and Courgeon, M. (2007). A 3D Audio-Visual Animated Agent for Expressive Conversational Question Answering. International Conference on Auditory-Visual Speech Processing (AVSP'2007). Hilvarenbeek, The Netherlands August 31 - September 3.*

*Martin, J.-C., d'Alessandro, C., Jacquemin, C., Katz, B., Max, A., Pointal, L. and Rilliard, A. (2007). 3D Audiovisual Rendering and Real-Time Interactive Control of Expressivity in a Talking Head 7th International Conference on Intelligent Virtual Agents (IVA'2007). Paris, France September 17-19.*

*Jacquemin, C., Planes, B., and Ajaj, R. Shadow casting for soft and engaging immersion in augmented virtuality artworks. In Proceedings, 9th ACM Multimedia 2007, Augsburg, Germany, 2007.*

*Jacquemin, C. Pogony: A tangible cephalomorphic interface for expressive facial animation. In Proceedings, second International Conference on Affective Computing and Intelligent Interaction, ACII '2007, Lisbon, Portugal, 2007.*

*Jacquemin, C. Headshaped tangible interface for affective expression. In Proceedings, 21st British HCI Group Annual Conference, HCI '2007, Lancaster, UK, 2007.*

*Jacquemin, C. Video-based Physical Model Animation. In Proceedings, Enactive '2007, Grenoble, France, 2007.*

*Jacquemin, C., Ajaj, R., Cahen, R., Ollivier, Y., and Schwarz, D. (2007). Plumage: Design d'une interface 3d pour le parcours d'échantillons sonores granularisés. In Proceedings, Conférence Francophone sur l'Interaction Homme-Machine IHM'07, Paris, France, 2007.*

*Ajaj, R., Jacquemin, C., and Vernier, F. User collaboration for 3D manipulation through multiple shared 2D and 3D views. In Proceedings, Virtual Reality International Conference, VRIC '2007, Laval, France, 2007.*

*Jacquemin C. and de Laubier S. (2006). Transmodal Feedback as a New Perspective for Audio-visual Effects. In Proceedings, International Conference on New Interfaces for Musical Expression, NIME 06, Paris, France.*

Jacquemin C., and Planes, B. (2005). Travaux d'Études et de Recherche en informatique sur des thématiques artistiques. In *Atelier Formations transdisciplinaires en interaction sensorielle pour la création artistique, IHM'05, Toulouse, France, 27 septembre 2005*.

Jacquemin C., Afonso A., Blum A., de Laubier S., Denis M., Folch H., Genevois H., Katz B., Nugier S., and Schnell N. (2005). Design d'environnements multimodaux interactifs communicants. In *Proceedings, Hypermedias Hypertexts, Products, Tools and Methods H2PTM'05, Paris, France*.

Jacquemin C. (2005). An Eye for an Ear and an Ear for an Eye: Bidirectional Control in Virtual Multimedia Instrument Design. In *Proceedings, 11th International Conference on Virtual Systems and Multimedia, VSMM'05, Ghent, Belgium*.

Jacquemin C., (2004). Architecture and Experiments in Networked 3D Audio/Graphic Rendering with Virtual Choreographer. In *Proceedings, Sound and Music Computing (SMC'04), Paris, France*.

A. Blum, A. Afonso, C. Jacquemin, B. Katz. "Expérimentation sur la Perception de l'Espace en Réalité Virtuelle Immersive Audio". In *Proc. of IHM'04, Namur, Belgique, 2004*.

## **rapport NSF**

C. Jacquemin, A. Conjard, N. Delprat, E. Mahé, R. Malina, H. Vinet, Emergence Of New Institutions For Art-Science Collaboration In France And Comparison Of Their Features With Those Of A Longer Established One, White Paper, SEAD (Science, Engineering, Art and Design) Network Initiative (under National Science Foundation Grant No.1142510), 2013.

## **Événements artistiques (expositions, spectacles, médiations culturelles...) et séminaires scientifiques ou ateliers art-science**

D.H. Truong, C. Weisman, D. Baltean Carlès, F. Jebali Jerbi et J. Rémus, Etude du démarrage du son produit par un instrument de musique thermoacoustique : le thermophone, Congrès Français d'Acoustique 11-15 avril 2016

C. Jacquemin, Arts and Science - Illustrative Examples, Critical Analysis, and Future Opportunities, 12th International FLINS Conference, ENSAIT, Roubaix, France, 2016

C. Jacquemin, AS-ympote: Arts-Sciences ou l'impossible rencontre?, 1er Colloque arts et sciences, Festival Arts et Sciences FACTS 2015, Bordeaux (FACTS 2015), Bordeaux, 17/11 au 29/11, 2015

C. Weisman, D. Baltean-Carlès, F. Jebali, J. Rémus, D. H. Truong : Le thermophone : un moteur thermoacoustique particulier, Journée Dynamique des Fluides du Plateau d'Orsay, 2016

N. Delprat, Comment l'interaction avec un avatar-nuage peut impacter le ressenti corporel, Département de Psychiatrie, Saint-Cyr sur Loire, Université de Tours, 2016

N. Delprat, Interactions arts et sciences, conférences Horizon Sciences, UPMC, Paris, 2015

N. Delprat, Motivations et intérêts des scientifiques pour une approche art-science: ouverture, refuge, valorisation, résistance? Les lundis de l'IRIST, Institut de recherche Interdisciplinaire sur les sciences et la technologie, Université de Strasbourg, 2015

N.Delprat, De l'imagination créatrice à l'intelligence sensible, conférences de la Licence Sciences et Humanités, Université de Marseille, 2015

J. Rémus, D. Baltéan-Carlès, présentation des Thermophones, IRCAM Forum Workshop, Paris 24-26 novembre 2015

Delprat N., Science et Art, Les Conférences Horizon, Pierre and Marie Curie University, november 26, 2014.

Delprat N., Virtual temporalities and body realities, International Symposium on the Digital Subject, University of Paris 8 Vincennes Saint-Denis, Archives nationales, November 12-14, 2014.

Delprat N., The Art-science Dialog, invited talk at the Digital October Conferences, Arles, october 16, 2014.

Delprat N., ECHO(S) video (5'17") et ECHO(S)II installation vidéo présentées dans le parcours artistique du Festival Octobre Numérique Arles, 11-23 octobre 2014

Primary Intimacy of Beings at Le Pass, Mons, Belgium, 2013-2018

Primary Intimacy of Beings at South By West festival, Austin, Texas, USA, 2014

Tout un monde at Futur en Seine, Paris, France, June 2014

Tout Passe at Curiositas, Festival, Orsay, France, october 2014

Wired Harmony, workshop and concert, Festival Curiositas, october 2014 (C. d'Alessandro, R.Morier, L. Feugère)

Cantor Digitalis, concert Proto 204, June 2014 (L. Feugère, O. Perrotin, B. Doval, S. Delalez, C. d'Alessandro, A. Braffort, S. Jacquin : Cantor Digitalis, spinet, tablas and guitar)

Organ and Augmented Reality installation, two public concerts at Ste Elisabeth church (January 2014 and June 2014, E. Lebrun, and M. Pinardel : augmented organ) and several private demonstrations for organists and composers.

Turbulent at the inauguration of the Google Cultural Institute, Paris, France, November-July 2013

Deprat N., The Augmented Reverie paradigm: between perceptive illusion and imaginative adhesion, seminar at the Center of Contemporary Ethics, Epsilon Laboratory, Paul Valéry University, october 15, 2013.

Delprat N., Virtual materiality and material imagination: cognitive impact of the cloud-avatar experience, Emotion Center-CNRS, Pitié-Salpêtrière, Paris, march 8, 2013.

Delprat N., Art-science interactions, seminar at CETHIL, INSA-CNRS, Lyon 1 University, january 17, 2013.

C. Jacquemin, N. Delprat, S. Fdili Alaoui, Atelier de la Diagonale-Saclay sur Visualisation et Interactions particulières en art-science, mai 2012, LIMSI

N.Delprat, L'action VIDA du LIMSI, table ronde Recherche en art-sciences, Festival CréaRecherche, Université Paris Sud, Orsay, juin 2012

N.Delprat, Walking Clouds and Augmented Reverie, journées art-science dans le cadre du projet européen Water is in the air, StudioLab/olats, IMERA, mai 2012, Marseille

Mémoire (s) Ombres, Benoit Lahoz et Flaive Papin, Installation Médiathèque Les Temps Modernes, Taverny, Novembre 2011.

Genius Loci, 38es Rencontres d'été de la Chartreuse, Chartreuse de Villeneuve lez Avignon Église de la Chartreuse, conception et direction Véronique Caye, Juillet 2011.

Présentations et workshop pendant les journée "Dance Notation Series" à Amsterdam 2011.

Atelier Dans les Nuages, Nuit des chercheurs de l'X, 23 septembre 2011, Palaiseau.

Présentation de NUAGE, rencontre-débat autour de l'art-science, fête de la Science, 13 octobre 2011, Créteil.

Cloud, ART fair Copenhagen, Søren Thilo Funder, Christian Jacquemin, and you, Toke Lykkeberg, September 2010.

Résidence artistique pour l'installation Double Skin Double Mind durant le Lab du projet TKB à Lisbon/Montemoro, espaço do tempo, 2010.

Participation au Labs du projet Inside Movement Knowledge, Amsterdam 2010.

Workshop pendant le congrès internationale de dance "TanzKongress" à Hambourg, 2009.

From:

<https://vida.limsi.fr/archives/> - **VIDA**

Permanent link:

[https://vida.limsi.fr/archives/doku.php?id=wiki:vida\\_publications\\_fr](https://vida.limsi.fr/archives/doku.php?id=wiki:vida_publications_fr)

Last update: **2017/05/29 12:48**

