

Harry Smoak, Ph.D.

Milieux Institute for Arts, Culture and Technology
Office of the Vice President, Research and Graduate Studies
Concordia University (Montréal, Québec)

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EDUCATION

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| 2015 | Doctor of Philosophy, Individualized Program – Fine Arts Concordia University, Montréal, Québec |
| 2004 | Master of Science in Human Computer Interaction Georgia Institute of Technology, Atlanta, Georgia |
| 1994 | Bachelor of Arts with Honors, Theatre University of South Carolina, Columbia |

POSITION

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| Present | Head of Operations and Coordination Milieux Institute for Arts, Culture and Technology, Concordia University (Montréal, Québec) |
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RESEARCH AND TEACHING INTERESTS

- Media Arts and Science
- Philosophy of Art and Technology
- Digital Media Study and Practice

PUBLICATIONS

Book

Salter, Chris, Harry Smoak, and Michel van Dartel, eds. 2012. The Vibrancy Effect: An Antidisciplinary Expert Meeting. Rotterdam: V2/NAi Publishers. E-Pub.
<http://www.naibooksellers.nl/art/the-vibrancy-effect-ebook.html>

PUBLICATIONS (Cont.)

Book Chapters and Contributions

Smoak, Harry. 2012. Vital Materialisms in The Post-Humanities. In *The Vibrancy Effect: An Antidisciplinary Expert Meeting*, edited by Chris Salter, Harry Smoak, and Michel van Dartel. Rotterdam: V2/NAi Publishers.

Smoak, Harry. 2010. Glossary. In *Entangled: Technology and the Transformation of Performance*, by Chris Salter, 383–392. Cambridge, MA and London: MIT Press.

Journal Articles and Proceedings

Smoak, Harry. 2011. Machinic Articulations: Experiments in Non-Verbal Explanation. *AI & Society* 26 (Special Issue: Poetic and Speculative Architectures in Public Space): 137–142. doi:10.1007/s00146-010-0293-3

Smoak, Harry. 2010. Your Participation Not Required. In *Proceedings of the 16th International Symposium on Electronic Art (ISEA)*, 35–37. Essen, Germany. 20-29 August 2010.

Baalman, Marije, Harry Smoak, Vincent de Belleval, Brett Bergmann, Chris Salter, Joseph Malloch, Joseph Thibodeau, and Marcelo Wanderley. 2010. Sense/Stage–Low Cost, Open Source Wireless Sensor and Data Sharing Infrastructure for Live Performance and Interactive Realtime Environments. In *Proceedings of the 2010 Linux Audio Conference (LAC)*, Utrecht, NL. 1-4 May 2010.

Baalman, Marije, Harry Smoak, and Chris Salter. 2009. Sharing Data in Collaborative, Interactive Performances: The Senseworld Datanetwork. In *Proceedings of the 9th International Conference on New Interfaces for Musical Expression (NIME)*, 131–134. Pittsburgh, PA: Carnegie Mellon School of Music. 4-6 June 2009.

Smoak, Harry. 2005. Sites for Media Choreography: Where Media Perform Bodies and Bodies Perform Media. In *Proceedings of the 3rd Spark Festival of Electronic Music and Arts*. Minneapolis, MN: School of Music, University of Minnesota. 16-20 February 2005.

Nunes, Mark, Paul Bains, Martin E. Rosenberg, Harry Smoak, et al. 1998. Postmodern Spacings: A Colloquy. *Postmodern Culture* 8, no. 3 (May). doi:10.1353/pmc.1998.0032. http://muse.jhu.edu/journals/postmodern_culture/toc/pmc8.3.html

EXHIBITIONS

- 2014 Reflexion (in collaboration with Chris Salter), Centre Eaton, Montréal, QC.
- 2013 Just Noticeable Difference (in collaboration with Chris Salter and Marije Baalman), Muffatwerk, Munich, Germany.

- Atmosphere Glasmoog (in collaboration with Chris Salter), Glasmoog Gallery, Kunsthochschule für Medien, in the context of the international symposium The Timing of Affect, Cologne, Germany.
- 2012 Just Noticeable Difference (in collaboration with Chris Salter and Marije Baalman), Lille 3000, Tri Postal de Fives, Lille, France.
- Just Noticeable Difference (in collaboration with Chris Salter and Marije Baalman), Exhibition Emergencias with the Art & Architecture Programme of Guimarães 2012 European Capital of Culture, Guimarães, Portugal.
- Just Noticeable Difference (in collaboration with Chris Salter and Marije Baalman), CTM.12 Exhibition, Kunsterlhaus Bethanien, Berlin, Germany.
- Displace v. 2.0, TAG Building, in the context of TodaysArt 2012, the Hague, the Netherlands (in collaboration with Chris Salter, TeZ, and David Howes)
- 2011 Just Noticeable Difference (in collaboration with Chris Salter and Marije Baalman), Elektra 12 Festival, Usine C, Montréal, QC.
- Just Noticeable Difference (in collaboration with Chris Salter and Marije Baalman), Mois Multi 12, Quebec City, QC.
- Atmosphere Lab Xmodal, FoFA Gallery, Concordia University, Montréal, QC.
- Displace v. 1.0 . (in collaboration with Chris Salter, TeZ, and David Howes), Black Box, Hexagram Concordia Centre for Research-Creation in Media Arts and Technologies, Concordia University, in the context of the 2011 Annual meeting of the American Anthropological Association, Montréal, QC.
- Just Noticeable Difference (in collaboration with Chris Salter and Marije Baalman), TransLife International Triennial of New Media Art, National Art Museum of China, Beijing, China.
- 2010 Just Noticeable Difference (in collaboration with Chris Salter and Marije Baalman), Experimental Media and Performing Arts Center (EMPAC), Troy, NY.
- Your Participation Not Required, FoFA Gallery, Concordia University, in the context of the 2010 Congress of the Humanities and Social Sciences, Montréal, QC. (in collaboration with Matthew Peters Warne)
- Your Participation Not Required, Grant Recital Hall, Brown University, in the context of the Pixilerations [v.7] New Media Fringe Festival with FirstWorks Festival, Providence, RI (in collaboration with Matthew Peters Warne)
- Just Noticeable Difference (in collaboration with Chris Salter and Marije Baalman), Meta.Morf Biennial for Arts and Technology, Trondelag Senter for Samtidskunst, Trondheim, Norway.
- Just Noticeable Difference (in collaboration with Chris Salter and Marije Baalman), Lutherse Burgwal, with TodaysArt 2010, the Hague, the Netherlands.

- Just Noticeable Difference (in collaboration with Chris Salter and Marije Baalman), International Symposium on Electronic Art (ISEA2010), PACT Zollverein, Essen, Germany. (catalogue)
- 2008 Remedios Terrarium, FoFA Gallery, Concordia University, Montréal, QC.
Schwelle II (in collaboration with Chris Salter and Michael Schumacher), Elektra Festival, Cinquieme Salle, Place des Arts, Montréal, QC.
Schwelle II (in collaboration with Chris Salter and Michael Schumacher), EXIT Festival, Maison des Arts Créteil, France.
AirXY: From Immaterial To Rematerial, Out There: Architecture Beyond Building (in collaboration with Erik Adigard and Chris Salter), Corderie dell'Arsenale, in the context of 11th Annual Architecture Exhibition, Venice Biennale, Venice, Italy. (curated by Aaron Betsky) (catalogue)
- 2006 Firewall (in collaboration with Erik Conrad and Freida Abtan; curated by Elektra Festival), Journées de la culture festival, Hall des Pas Perdus, Place des Arts, Montréal, QC.
- 2004 Membrane (in collaboration with Sponge Collective), Van Nelle Ontwerpfabriek, in the context of the 2004 Dutch Electronic Art Festival (DEAF04), Rotterdam, the Netherlands.
- 2003 Blur Space: Birds and Bombs (in collaboration with Jill Fantauzza), Wesley New Media Center Gallery, Georgia Institute of Technology, Atlanta, GA.
Art, Science and Technology Portal Project (in collaboration with Diane Gromala), Global Learning Center, Georgia Institute of Technology, Atlanta, GA.
Soft Architectures (in collaboration with Sha Xin Wei and the Topological Media Lab), Westin Conference Center, in the context of the Fifth International Conference on Ubiquitous Computing, UBICOMP 2013, Seattle, WA.

AWARDS / GRANTS / FELLOWSHIPS

- 2010–13 Graduate Research Fellowship, Lab Xmodal
- 2011–12 Campaign for a New Millennium Graduate Scholarship, School of Graduate Studies, Concordia University (two terms)
- 2009–13 Graduate Research Fellowship, Topological Media Lab
- 2008 Graduate Research Fellowship, Lab Xmodal
- 2008 Teaching Assistantship Award, Special Individualized Programs, School of Graduate Studies, Concordia University (1 term)

- 2007–11 International Doctoral Tuition Fee Remission Award, Faculty of Fine Arts, Concordia University (12 terms)
- 2007–08 Staff Scholarship, School of Graduate Studies, Concordia University (2 terms)
- 2007–08 J.A. de Sève Entrance Fellowship, Faculty of Fine Arts, Concordia University (2 terms)
- 2006 Project Allocation Grant, Centre interuniversitaire des arts médiatiques (CIAM)
- 2004 Research Travel Grant (Banff Centre)
- Graduate Teaching Assistantship Award, School of Literature, Communication and Culture, Georgia Institute of Technology—Spring 2004, Fall 2004
- 2003 Health Communications Fellowship (Web and interactive), Office of Communications, Office of the Director, Centers for Disease Control and Prevention (CDC) May-December
- Conference Travel Grant, GVU Center, Georgia Institute of Technology
- Graduate Research Assistantship, School of Literature, Communication and Culture, Georgia Institute of Technology— Spring 2003, Fall 2003

INVITED TALKS and WORKSHOPS

- 2017 Workshop (participant), with Critical Making Lab, Univ. of Toronto held at Milieux Institute, Montréal, QC., October 23-27.
- 2017 Public Talk, *The Situation for Interaction Design, Digital Culture Speaker Series*, Herberger Institute for Design and the Arts, Arizona State University, October 12.
- 2012 Lecture/Workshop, *Sensing Sensations*, ArtScience Interfaculty Program, Royal Academy of Art, the Hague, the Netherlands, September 18-19.
- 2010 Presentation, Lighting the Architecture that Happens, *The Ephemeral City: Ethics and Aesthetics*, Institut de recherche en histoire de l'architecture (IRHA) Symposium, Canadian Centre for Architecture, Montréal, QC., October 11.
- 2004 Presentation, Membrane, *Bitesize Lecture Series*, FoAM, Brussels, Belgium, November 11.
- Lecture, Human-centered Design and the Product Life Cycle, *HCI Seminar*, GVU Center, Georgia Institute of Technology, Atlanta, GA, October.
- Lecture, Introduction to Peirce's Theory of Signs, Critical Theory Reading Group, Agnes Scott College, Decatur, GA, October.

CONFERENCES and PRESENTATIONS

National/International Refereed Conferences

- 2012 Book Launch. *The Vibrancy Effect Ebook*, Spotlight Series, Dutch Electronic Arts Festival, V2_ Institute for the Unstable Media, Rotterdam, the Netherlands, May 18.
Thing Power, Debate Series, Dutch Electronic Arts Festival, co-organizer and moderator, V2_ Institute for the Unstable Media, Rotterdam, the Netherlands, May 17.
- 2011 “Your Participation Not Required: Experiment/Experience in Responsive Environments,” *Non-Human Agency in Techno-Scientific Art Practice*, 25th Annual Conference of the Society for Literature, Science, and the Arts (SLSA), panelist, Kitchener, ON, September 25.
 Expert Meeting, *The Vibrancy Effect*, co-moderator (in collaboration with Chris Salter), V2_ Institute for the Unstable Media, Rotterdam, the Netherlands, April 9-10.
- 2010 “Your Participating Not Required: Machinic Experiments and Responsive Media Performance,” *Enunciations of Nonhuman Performativity*, 16th International Symposium on Electronic Art (ISEA), Essen, Germany, August 21. (proceedings)
 Workshop, *Motion Lab*, 16th International Symposium on Electronic Art (ISEA), discussant, Essen, Germany, August 21.
 “Sense/Stage : Low Cost, Open Source Wireless Sensor and Data Sharing Infrastructure for Live Performance and Interactive Realtime Environments,” Linux Audio Conference (LAC), paper presented by M. Baalman in my absence, Utrecht, the Netherlands, May 4.
- 2009 “Sharing Data in Collaborative, Interactive Performances: The Senseworld Datanetwork,” *Computer Systems*, 9th International Conference on New Interfaces for Musical Expression (NIME), paper presented by M. Baalman in my absence, Carnegie Mellon School of Music, Pittsburgh, PA, June 5. (proceedings)
- 2006 Workshop, *Technologies of Lived Abstraction: Housing the Body*, Société des arts technologiques (SAT) with Sense Lab and The Workshop in Radical Empiricism, Montréal, QC, May 24-27.
- 2005 “Sites for Media Choreography: Where Media Perform Bodies and Bodies Perform Media,” 3rd Spark Festival of Electronic Music and Arts, School of Music, University of Minnesota, Minneapolis, MN, February 16. (proceedings)
- 2004 “Membrane: Van Nelle Ontwerpfabriek 1930,” 11th Performance Studies International Conference (PSI), Brown University, Providence, RI, March 30- April 3

Invited workshop participant. Outside/Inside: Boundary Crossings – A Wearable Design Workshop, Banff New Media Institute, Banff, AB, July 31-August 4.

- 2003 “Expressive Software and Ambient Media,” *Demonstrations*, Fifth International Conference on Ubiquitous Computing (UbiComp03), interactive installation (in collaboration with Topological Media Lab), Seattle, WA, October 13-15.

Campus or Department Talks and Presentations

- 2013 Lecture/Presentation, Open Media MFA Program, Studio Arts Department, Concordia University, Montréal, QC, March 20.
- Respondent, *Positioning Research-Creation Roundtable*, Brown Bag Lecture Series, Hexagram Centre for Research-Creation in Media Arts and Technologies, Concordia University, Montréal, QC, February 27.
- “Notes Toward an Event Selector Theory,” Brown Bag Lecture Series, Hexagram Centre for Research-Creation in Media Arts and Technologies, Concordia University, Montréal, QC, January 23.
- 2010-11 Brown Bag Lecture Series, Hexagram Concordia, Centre for Research-Creation in Media Arts and Technologies, planner and co-organizer (in collaboration with Jaclyn Meloche), Concordia University, Montréal, QC.
- 2010 Research Presentation, Brown Bag Lecture Series, Hexagram Centre for Research Creation in Media Arts and Technologies, Concordia University, Montréal, QC.
- 2004 Workshop, Media Choreography, Sponge with Topological Media Lab, Georgia Institute of Technology, Atlanta, GA, May.
- “Thick/N,” GVU Convocation and Demo Day, interactive installation, GVU Center, Georgia Institute of Technology, Atlanta, GA, March.
- 2003 “EyeCU,” Information Design Technology Demo Day, interactive installation, GVU Center, Georgia Institute of Technology, Atlanta, GA, December.
- “Aura Locket: An Affective Communication Prototype,” HCI Day, poster (in collaboration with Gillian Hayes et al.), Georgia Institute of Technology, Atlanta, GA, March.
- “Art, Science, and Technology: Digital Media Portal,” Convocation Event, interactive kiosks (in collaboration with Diane Gromala and BioMedia Lab), Global Learning Center, Georgia Institute of Technology, Atlanta, GA.

EXPERIENCE

TEACHING

Concordia Univ.: Centre for Interdisciplinary Studies in Society and Culture – Lecturer
Representation Otherwise, Humanities Doctoral Seminar (Winter 2018, Winter 2019)

Concordia Univ.: Department of Design and Computation Arts – Part-Time Faculty
Media and Matter, Senior Undergraduate Course (Fall 2010)

Concordia Univ.: Centre for Digital Arts— Instructor
Introduction to Max/MSP+Jitter (Fall 2009)

Georgia Institute of Technology: Digital Media Graduate Program – Instructor
Design, Technology and Representation, Masters Course (Spring 2004)

Georgia Institute of Technology: School of Literature, Communication & Culture – Teaching Assistant
Communicating Science and Technology, Undergraduate Course (Fall 2003, Spring 2004)

RESEARCH

Research Associate, Topological Media Lab, Concordia University, 2015-2016.

Graduate Research Assistant to Chris Salter, Lab Xmodal, Concordia University, 2008-2015

Research Coordinator, Topological Media Lab, Concordia University, 2005-2008

Graduate Research Assistant to Sha Xin Wei, Topological Media Lab, Concordia University, 2009–2012

Graduate Research Assistant to Sha Xin Wei, Topological Media Lab, Georgia Institute of Technology — Spring 2004, Summer 2004, Fall 2004

Graduate Research Assistant to Diane Gromala, BioMedia Lab, Georgia Institute of Technology — Fall 2003, Spring 2004

Graduate Research Assistant to Beth Mynatt, Everyday Computing Lab, Georgia Institute of Technology— Summer 2003, Fall 2003

Relevant other experience

- 2004-2005 **Earthlink.** Joined a product organization focused on delivering value through continuous innovation. Worked together with executive stakeholders, interaction designers, product and marketing professionals, and usability experts. Introduced methods from social science and cultural studies. Administrated internal/external research programs in support of product usability and adoption.
- 2003 **Health Communications Fellow.** Professional intern at the US Centers for Disease Control and Prevention, with cross-appointments in the Office of Communications and the Office of the Director. Onsite contact for research collaboration with Georgia Tech investigating use of large-scale interactive displays in emergency operations centers
- 2002-2004 **On leave** from Earthlink in order to pursue professional graduate program at Georgia Institute of Technology. There I studied computer science, interaction design, digital media practice and criticism, and social studies of science and technology. I received a MS in Human-Computer Interaction in 2004. During this time, I worked freelance as an UX consultant in addition to various teaching and research assistantships held.
- 2000-2002 **Earthlink.** Following the MindSpring merger, I continued in senior management roles in core operations and development units such as systems engineering and network software tools. Served as site manager for Atlanta data center. Supervised multidisciplinary teams in Atlanta and Seattle.
- 1996-2000 **MindSpring.** Held various senior managers positions across serval business and operations departments. MindSpring grew exponentially during this time through many acquisitions, merging with Los Angeles-EarthLink in early 2000 to become the second largest ISP in the world after AOL. I created and worked with groups focused on terms of service and appropriate use policy, network operations, systems administration and project management.
- 1995 **Various.** Following college, I worked occasionally as gaffer and freelance assistant in the Atlanta film and video production industry.

Positions held (industry/professional)

- 2004-2005 Senior Product Manager, Adoption and Usability, Software Product Management, EarthLink
- 2003-2004 Information Architect and Business Consultant, Faucett New Media

- 2003 Health Communications Fellow, Interactive, Office of Communications, Office of the Director, US Centers for Disease Control and Prevention
- 2002-2004 Freelance UX Consultant,
- 2001-2002 Senior Manager, Network Tools and Software, EarthLink
- 2000-2001 Senior Manager, Systems Engineering, Network Operations, EarthLink
- 1999-2000 Senior Project Manager, Operations, Broadband Services, MindSpring
Site Manager, Systems Engineering, MindSpring
- 1997-1999 Manager, Systems Administration, Network Operations, MindSpring
- 1996-1998 Terms of Service Manager, Network Operations, MindSpring
- 1996-1997 Manager, Customer Service, MindSpring

SERVICE

Juries/Advisory/Professional Activities

- 2018 Jury Member, *Le Conseil québécois des arts médiatiques (CQAM)*

Steering Committee Member, Milieux Institute, Concordia Univ., Montréal, QC
- 2017 Steering Committee Member, Milieux Institute, Concordia Univ., Montréal, QC
Jury Member, Public Art Commission, Visualization Studio, Webster Library, Concordia Univ., Montréal, QC
Jury Member, Individualized Program Research Day, School of Graduate Studies, Concordia Univ., Montréal, QC
- 2016 Steering Committee Member, Milieux Institute, Concordia Univ., Montréal, QC
- 2010 Events Committee Member, Congress of the Humanities and Social Science, Faculty of Fine Arts Gallery, Concordia Univ., Montréal, QC.
Jury Member, Dept. of Design and Computation Arts Year-End Student Exhibition Selection Committee, Concordia Univ., Montréal, QC.
Jury Member, Dept. of Design and Computation Arts Portfolio Selection Committee, Concordia Univ., Montréal, QC.
- 2008 Graduate Awards Focus Group Member, School of Graduate Studies, Concordia Univ., Montréal, QC.

LANGUAGES

English: native

French: intermediate (speaking, reading, writing)