

Nicholas A. Knouf

Cinema and Media Studies
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Employment

2013–present Assistant Professor, Cinema and Media Studies, Wellesley College

Education

2007–2013 PhD, Information Science, Cornell University
2005–2007 SM, Media Arts and Sciences, Massachusetts Institute of Technology
1998–2002 BS, Engineering and Applied Science, California Institute of Technology

Fellowships and Honors

2012–2013 Mellon/ACLS Dissertation Completion Fellowship
2012–2013 Intel Science and Technology Center for Social Computing Graduate Researcher
2011–2012 Andrew W. Mellon Foundation Graduate Fellowship at the Cornell Society for the Humanities
2009 Full Tuition Fellowship for School for Criticism and Theory seminar on “Voice, Representation, Ideology”
2008–2011 HASTAC (Humanities, Arts, Sciences, and Technology Advanced Collaboratory Initiative) Scholar
2008 Selected for *Values in Design* NSF graduate student workshop
2008 Leonardo Abstracts Service (LABS) top-rated abstract for master’s thesis “Encouraging the Expression of the Unspeakable: Influence and Agency in a Robotic Creature”
2007–2008 Full Tuition Fellowship, Cornell University Program in Information Science
2005 MIT Council of the Arts Grant for *seamless*, version 1.0
2004 MIT Council of the Arts Director’s Grant for 44#444
1998–2002 California Institute of Technology Axline Scholarship

New Media Awards

2011 Award of Distinction, *memefest* (<http://memefest.org>) in the Beyond category, for *Journal of Journal Performance Studies*
2011 Cornell Council for the Arts Student Grant for *afflator*
2010 Turbulence.org Commission for *Journal of Journal Performance Studies*
2009 Turbulence.org “Spotlight” for *MAICgregator*
2009 transmediale “Online Highlight” for *Fluid Nexus*
2008 Award of Distinction, *memefest* (<http://memefest.org>) in the Beyond category, for *Fluid Nexus*

- 2008 Selected for 2^o Inclusiva-net Meeting: Redes digitales y espacio físico (Digital Networks and Physical Space), Medialab-Prado, Madrid, Spain
- 2005 Honorable Mention, Prix Ars Electronica [the next idea] competition for *ætherspace*

Book

1. Nicholas A. Knouf, *How Noise Matters to Finance*, Forerunners: Ideas First (Minneapolis: University of Minnesota Press, 2016)

Peer-Reviewed Journal Publications

1. Nicholas A. Knouf, "Radio Feeds, Satellite Feeds, Network Feeds: Subjectivity Across the Straits of Gibraltar," *fibreculture*, no. 20 (2012), <http://twenty.fibreculturejournal.org/2012/06/19/fcj-140-radio-feeds-satellite-feeds-network-feeds-subjectivity-across-the-straits-of-gibraltar/>.
2. Nicholas A. Knouf, "Whither the Libidinal University?," *Canadian Journal of Media Studies* 7 (2010): n.p., <http://cjms.fims.uwo.ca/issues/07-01/WhitherTheLibidinalUniversityRevised20100524.pdf>.
3. Chris I. Baker, Eli Peli, Nicholas Knouf, and Nancy G. Kanwisher, "Reorganization of Visual Processing in Macular Degeneration," *Journal of Neuroscience* 25, no. 3 (2005): 614–618, <http://www.jneurosci.org/cgi/content/abstract/25/3/614>.
4. Kalanit Grill-Spector, Nicholas Knouf, and Nancy Kanwisher, "The fusiform face area subserves face perception, not generic within-category identification," *Nature Neuroscience* 7, no. 5 (2004): 555–562, <http://dx.doi.org/10.1038/nn1224>.

Book Chapters

1. Nicholas A. Knouf, "Transnetworks and the Fluid Nexus Project," in *Dis Connecting Media*, ed. Ulla Autenrieth, Andreas Blättler, Regine Buschauer, and Doris Gassert (Christoph Merian Verlag, 2011), 199–206, <https://fluidnexus.net/static/pdfs/DCM2009Submitted.pdf>.
2. Nicholas A. Knouf, "The Patterning Table," in *The Inner History of Devices*, ed. Sherry Turkle (Cambridge, MA: MIT Press, 2008), 49–54.

Refereed Conference Papers

1. Nicholas A. Knouf, "HCI for the Real World," in *Proceedings of the 27th International Conference on Human Factors in Computing Systems*, CHI EA '09 (2009), 2555–2564, <http://zeitkunst.org/media/pdf/HCIForTheRealWorld.pdf>.
2. Carl DiSalvo, Kirsten Boehner, Nicholas A. Knouf, and Phoebe Sengers, "Nourishing the ground for sustainable HCI: considerations from ecologically engaged art," in *Proceedings of the 27th International Conference on Human Factors in Computing Systems*, CHI '09 (2009), 385–394. **Nominated for Best Paper award.**
3. Nicholas A. Knouf, "Reinterpreting networks of people as fluid for political purposes," in *Proceedings of ISEA2008: The 14th International Symposium on Electronic Art* (Singapore, Singapore, 2008), 273–274, http://zeitkunst.org/media/pdf/FluidNexus_ISEA2008.pdf.

4. Nicholas A. Knouf, "syngva: an object that raises questions of agency, relationship, and control," in *C&C '07: Proceedings of the 6th ACM SIGCHI Conference on Creativity & Cognition* (Washington, DC, USA: ACM Press, 2007), 288–288, ISBN: 978-1-59593-712-4, doi:<http://doi.acm.org/10.1145/1254960.1255024>.
5. Nicholas Knouf, "Variations 10b: a Digital Realization of Cage's Variations II," in *MULTIMEDIA '06: Proceedings of the 14th Annual ACM International Conference on Multimedia* (Santa Barbara, CA, USA: ACM Press, 2006), 736–739, ISBN: 1-59593-447-2, doi:<http://doi.acm.org/10.1145/1180639.1180797>, <http://zeitkunst.org/media/pdf/p736-knouf.pdf>.

Non-Refereed Publications

1. Nicholas A. Knouf, "Communication in the Wake of Snowden," *Media-N: Journal of the New Media Caucus* 10, no. 1 (2014), <http://median.newmediacaucus.org/art-infrastructures-information/communication-in-the-wake-of-snowden/>.
2. Claudia Costa Pederson and Nicholas Adrian Knouf, "Civil Society and Novel Assemblages: On Persistent Iteration and My Piece of Chennai," 2010, accessed May 18, 2012, <http://c-m-1.org/?q=node/528>.
3. Nicholas Knouf, "Review of Lisa Nakamura, 'Digitizing Race: Visual Cultures of the Internet,'" 2009, <http://rccs.usfca.edu/bookinfo.asp?BookID=421&ReviewID=594>.
4. Nicholas A. Knouf, "Archiving the Present," *Ithaca Times* XXX, no. 31 (April 2, 2008): 17, 23.
5. Claudia Costa Pederson and Nicholas A. Knouf, "Seized and displayed," Review of *Seized* by Critical Art Ensemble and Institute of Applied Autonomy, presented at Hallwalls Contemporary Art Center (Buffalo, New York, June 7 – July 19), *Afterimage* 36, no. 2 (2008): 31–32.

Invited Presentations and Workshops

2015	Presentations on <i>Art for Spooks</i> (with Claudia Pederson), Finger Lakes Environmental Film Festival (FLEFF), 9-10 April
2015	Workshop on Augmented Reality at the Tinker Factory, Cornell University, 9 April
2014	Artist talk in conjunction with "New View: 2014 Faculty Show" at the Davis Museum, Wellesley College
2014	Artist presentation in "Theories of Art: History and Culture", course taught by Claudia Pederson, Wichita State University
2014	Guest Lecture for "The History of New Media", course taught by Mike Maizels, Wellesley College
2014	Guest Lecture for "Multimedia Design and Programming", course taught by Takis Metaxas, Wellesley College
2012	"Incubator Project: Robotics Interaction Theory" workshop at the Cornell Society for the Humanities, 12 October
2012	"Noisy Fields": Berkeley Center for New Media, University of California, Berkeley, 14 February
2012	"Fluid Nexus", invited workshop on network topology presented at <i>transmediale</i> 2012, Berlin, Germany, February 3
2011	"Network Topology as a Site of Resistance". Píksel 2011, Bergen, Norway, November
2008–2011	Artist presentation in "Blasting the Machine", course taught by Claudia Pederson, Art History and Visual Studies department, Cornell University, Fall
2009	Upgrade! Boston, Boston, MA, 13 October
2009	Artist presentation in "Cybernetics, Systems, Software", course taught by Jo-Anne Green, Emerson College, 13 October
2009	Bovay Seminar in the History and Ethics of Engineering, Cornell University, 7 October
2009	"Transnetworks", <i>dis/connecting/media</i> , Bern, Switzerland, 3 October

- 2009 "Syncopation", workshop on sound and games with co-leaders Arzu Ozkal-Telhan and Claudia Pederson, presented in conjunction with the Finger Lakes Environmental Film Festival (FLEFF), March 21 + April 3
- 2008 ESC, Oberlin College Department of Art, Oberlin, OH, USA, 13 October
- 2008 "Fluid Locality", Finger Lakes Environmental Film Festival (FLEFF), Ithaca, NY, April
- 2006 "A Seamless Relationship: Technology and Materials", AATCC New England Regional Conference, Mystic, CT, April

Conference and Research Presentations (selected)

- 2016 "Poetics: (The Next) 25 Years" conference at SUNY Buffalo, 8 April
- 2016 "Augmented Reality – Invention/Reinvention" panel at the College Art Association Annual Meeting (with Claudia Pederson), Washington DC, 5 February
- 2015 "Poetic Disruption in a Time of Surveillance" Panel presentation with Claudia Pederson, Jennifer Gradecki, Derek Curry, ISEA 2015, August 17
- 2015 "Paranoia and Contemporary Surveillance" (with Claudia Pederson), Theorizing the Web 2015, 17 April
- 2015 "How the Mediation of Robotic Creatures Enables Parrhesia". Presented at the Society for Cinema and Media Studies Annual Meeting, Montreal, QC, 28 March
- 2014 "Accelerationism and the Fluidity of Finance". Presented at the Society for Literature, Science, and the Arts (SLSA) Annual Meeting, Dallas, Texas, 12 October
- 2014 "Noise, Parrhesia, and the Enunciative Potentials of Performing Objects". Presented at the Objects, Environments, and Actants conference, University of Connecticut, Storrs, Connecticut, 29 March
- 2013 "Some Micropolitical Potentials in Vocal 'Noise' Music". Presented at the Society for Literature, Science, and the Arts (SLSA) Annual Meeting, Notre Dame, Indiana, 3 October
- 2012 "The Sound of Information Theory". Presented at the Society for Social Studies of Science (4S) Annual Meeting, Copenhagen, Denmark, 20 October
- 2012 "The Noises of Finance". Presented at the Society for Literature, Science, and the Arts (SLSA) Annual Meeting, Milwaukee, Wisconsin, 28 September
- 2012 "Noisy Informatics from Milton Babbitt to Maja Ratkje". Cornell Society for the Humanities Fellows Workshop on "Sound: Culture, Theory, Practice, Politics", 20 April
- 2010 "Radio Feeds, Satellite Feeds, Network Feeds: Subjectivity Across the Straits of Gibraltar". DIY Citizenship Conference, University of Toronto, Toronto, CA, November
- 2010 "Transnetworks". Presented at the RPI STS Graduate Student Conference, Troy, NY, USA, 20 February
- 2009 "Questioning 'Openness' through a Study of Discussions Surrounding the OLPC XO Laptop". Presented at the Society for Social Studies of Science (4S) Annual Meeting, Washington, DC, USA, 29 October
- 2008 "Crossing Boundaries in Differing Contexts: Interdisciplinary Work Within Oneself." Presented at the Cornell Information Science Breakfast series, 18 April
- 2008 "Crossing Boundaries in Differing Contexts: Interdisciplinary Work Within Oneself." Presented at Cornell Science and Technology Studies (S & TS) Social Science Reading Group (SSRG), 31 March
- 2007 "The vocal that is non-speech: externalizing the unspeakable through interactions with a robotic creature". Presented at the Society for Literature, Science, and the Arts (SLSA) Annual Meeting, Portland, ME, 2 November

- 2007 “Designing and Observing the Use of an Object with (Presumed) Agency”. Presented at the Society for Social Studies of Science (4S) Annual Meeting, Montreal, QC, Canada, 13 October
- 2007 “Creativity and the Not-Alive: Influences on our Behavior by Robotic Creatures”. Presented at *Media in Transition 5*, MIT (Cambridge, MA, USA), 28 April

Teaching Experience

Wellesley College, Wellesley, MA

- Spring 2016 CAMS 276, Media Publics: Introduction to Civic Media
- Spring 2016 CAMS 101, Introduction to Cinema and Media Studies
- Fall 2015 CAMS 270, The Light and the Dark of the Net: Histories and Theories of the Internet
- Fall 2015 CAMS 218, Theories of Media from Photography to the Internet
- Spring 2015 CAMS 272, The Ludic Imagination: Histories and Theories of Games and Play
- Spring 2015 CAMS 218, Theories of Media from Photography to the Internet
- Fall 2014 CAMS/MUSIC 378, Deconstructive Audio: Early Electronic Music and the Aesthetics of Outmoded Technology (co-taught with Jennifer Oliva Johnson, Music)
- Fall 2014 CAMS 101, Introduction to Cinema and Media Studies
- Spring 2014 CAMS 270, The Light and the Dark of the Net: Histories and Theories of the Internet
- Spring 2014 CAMS 101, Introduction to Cinema and Media Studies
- Fall 2013 CAMS 218, Theories of Media from Photography to the Internet
- Fall 2013 CAMS 101, Introduction to Cinema and Media Studies

Ithaca College, Ithaca, NY

- Spring 2012 Lecturer, FLEFF Lab: The Microtopias Project (GCOM 12000-01), Roy H. Park School of Communications
- Spring 2011 Lecturer, FLEFF Lab: Checkpoints Project (DIIS 12000-01), Department of Interdisciplinary and International Studies
- Spring 2010 Lecturer, Open Space: FLEFF Lab (DIIS 12000-01 + DIIS 12000-02), Department of Interdisciplinary and International Studies

Cornell University, Ithaca, NY

- Spring 2011 TA, New Media and Society (INFO/COMM 3200)
- Fall 2010 TA, Introduction to Web Design and Programming (INFO/CS 1300)
- Spring 2010 TA, Web Information Systems (INFO/CS 4302)
- Fall 2009 TA, Introduction to Web Design and Programming (INFO/CS 1300)
- Spring 2009 TA, Intermediate Design and Programming for the Web (INFO/CS 2300)
- Fall 2008 TA, Introduction to Web Design and Programming (INFO/CS 1301/1302)

New Media Projects

- 2014–present *Art for Spooks*, an augmented book that takes a poetic angle to electronic surveillance (with Claudia Pederson)
- 2014–present *sylloge of codes*, a self-contained wireless network for the exploration of new communication codes in the wake of Snowden
- 2008–2011 *Fluid Nexus*, an application for computers and Android phones that enables activists and relief workers to communicate independent of centralized mobile networks

- 2011 *afflator*, a project of the College of Ontopoetic Machines that explores questions of robot morphology and non-vocal interaction
- 2010 *Journal of Journal Performance Studies (JJPS)*, an set of three interrelated works (including a Firefox extension, internet radio station, and journal) that engage with issues of control and distribution in academic publishing
- 2009 *MAICgregator*, a Firefox extension that overlays information about the military-academic-industrial complex on college and university websites
- 2007 *syngva*: A creature that responds through motion to vocalizations; designed to not only encourage non-speech vocalizations, but also to study relationship formation and understandings of agency in computational objects
- 2006 *creatures to help prevent the end of the United States of America: facing the political other*: Two non-anthropomorphic creature sculptures that speak incendiary commentary from political blogs, designed to create an uncanny situation that provokes strangers into talking about politics
- 2006 *Variations 10b*: A digital realization of John Cage's piece *Variations II*, enabling the listener-performer to explore the physical space of the dots and lines of the composition
- 2006 *Mutable Recordings*: A tool to enable the listener to choose multiple interpretations of a single piece, seamlessly splicing phrases together
- 2005–2006 *seamless 1.0 and 2.0*: Computational fashion shows presented at the MIT Media Lab and the Boston Museum of Science
- 2005–2006 *Dissimilarity Measures and Emotional Responses to Music*: A machine learning-based analysis of dissimilarity between people via adjectival descriptions of emotional experiences to music
- 2005 *ætherspace*: a computational garment that uses transducers of electro-magnetic waves to turn "Hertzian space" into sonic waves, giving the wearer a better understanding of the electronically-embodied world

Solo Exhibition

- 2011 *afflator*, Olive Tjaden Hall Experimental Gallery, Cornell University

Group Exhibitions

- 2015 *Faculty exhibition* (with Claudia Pederson), Ulrich Museum, Wichita State University, Wichita, KS
- 2014 *New View: 2014 Faculty Exhibition*, Davis Museum, Wellesley, College, Wellesley, MA
- 2014 *In-Transit / En tránsito*, Galería Macchina, Escuela de Arte de la Universidad Católica, Santiago, Chile
- 2012 *FILE RIO - Electronic Language International Festival*, Rio de Janeiro, Brazil
- 2011 *Station 923*, Ithaca, NY
- 2011 *FILE - Electronic Language International Festival*, São Paulo, Brazil
- 2010 *FILE - Electronic Language International Festival*, São Paulo, Brazil
- 2010 *Esse, nosse, posse: Common Wealth for Common People* (online), National Museum for Contemporary Art in Athens, Greece
- 2010 *Hypperrhiz 07: New Media Subversions* (online)
- 2009 *Requiem for Analog TV Noise*, Cornell Cinema, Ithaca, NY
- 2009 *electro_online*, Newcastle, Australia
- 2009 *Video/Art/Ithaca*, Sfumato, Ithaca, NY
- 2008 *Video/Art/Ithaca*, Sfumato, Ithaca, NY

2008	<i>Inclusiva-net: Redes digitales y espacio físico (Digital Networks and Physical Space)</i> , Medialab-Prado, Madrid, Spain
2007	<i>Library Music</i> , MIT Music Library, Cambridge, MA
2006	<i>sound around</i> , MIT Media Lab, Cambridge, MA
2006	<i>COLLISIONnine</i> , Art Interactive, Cambridge, MA
2005	<i>unsilently</i> , The Contemporary Artists Center, North Adams, MA
2004	<i>COLLISIONsix</i> , Art Interactive, Cambridge, MA

Press (selected)

Art for Spooks

1. The Creator's Project, "Augmented Reality App Asks, "How Do NSA Employees See 'The World?'" January 20, 2015, accessed January 23, 2015, <http://thecreatorsproject.vice.com/blog/how-do-nsa-employees-see-the-world>.
2. DJ Pangburn, "Art for Spooks' Makes Paranoid Augmented Realities for NSA Spies," Motherboard, December 25, 2014, accessed December 31, 2014, http://motherboard.vice.com/read/art-for-spooks-book-makes-augmented-realities-for-nsa-spies?utm_source=mbfb.
3. Peter Maas, "Art in a Time of Surveillance," The Intercept, November 13, 2014, accessed December 31, 2014, <https://firstlook.org/theintercept/2014/11/13/art-surveillance-explored-artists/>.
4. Matt Linares, "Spies, Art and Monsters," Medium, October 28, 2014, accessed December 31, 2014, <https://medium.com/@depthings/spies-art-and-monsters-7795a85762d8>.

MAICgregator

1. Carl DiSalvo, *Adversarial Design* (Cambridge, MA: MIT Press, 2012).
2. Regine Debatty, "Esse, Nosse, Posse: Common Wealth for Common People," May 24, 2010, accessed May 18, 2012, <http://www.we-make-money-not-art.com/archives/2010/05/esse-osse-posse-common-wealth.php>.
3. Anna Munster, "Data Undermining: The Work of Networked Art in an Age of Imperceptibility," in *networked: a (networked_book) about (networked_art)* (turbulence.org, 2009), <http://munster.networkedbook.org/>.

Fluid Nexus

1. Jo-Anne Green, "Fluid Nexus: Mobile Messaging without Centralized Networks," August 18, 2011, accessed May 18, 2012, <http://turbulence.org/blog/2011/08/18/fluid-nexus-mobile-messaging-without-centralized-networks/>.
2. Dale Hudson and Patricia R. Zimmerman, "Taking Things Apart: Locative Media, Migratory Archives, and Micropublics," *Afterimage* 36, no. 4 (2009): 15–19.
3. Janko Roettgers, "Could Twitter go P2P?," May 8, 2008, accessed May 18, 2012, <http://www.p2p-blog.com/?itemid=633>.
4. Jamie Wells, "Android App 'Fluid Nexus' Aims to Move Mobile Messaging Off the Grid," May 2, 2008, accessed May 18, 2012, <http://mobilestance.com/2008/05/02/android-app-fluid-nexus-aims-to-move-mobile-messaging-off-the-grid/>.

Journal of Journal Performance Studies

1. Christoph Raetzsch, "The Nodes in Academic Publishing," February 2, 2015, accessed April 25, 2015, <http://raetzsch.berlin/?p=36>.

seamless, version 2.0

1. Simona Brusa, "Seamless 2.0: Inventing Integration," March 2006, accessed May 18, 2012, <http://www.digicult.it/digimag/article.asp?id=539>.
2. Natalie Drieu, "MIT Seamless Fashion Show," February 29, 2008, accessed May 18, 2012, <http://blog.makezine.com/2008/02/29/mit-seamless-fashion-show/>.
3. Charlie White, "Fashion From Another Planet," February 5, 2006, accessed May 18, 2012, <http://gizmodo.com/152766/fashion-from-another-planet>.
4. Zonk, "MIT Fashion Show Online," February 3, 2006, accessed May 18, 2012, <http://slashdot.org/story/06/02/03/2146240/mit-fashion-show-online>.
5. Regine Debatty, "Seamless fashion show 2," January 4, 2006, accessed May 18, 2012, <http://www.we-make-money-not-art.com/archives/2006/01/christine-liu-a.php>.

Mentions by Forbes.com, UPI Wire, Boston Globe, Boston Weekly Dig, Boston Herald, New England Cable News.

ætherspace

1. Eleni Ikoniadou, *The Rhythmic Event: Art, Media, and the Sonic* (Cambridge and London: MIT Press, 2014).
2. Jessie Scanlon, "Tinker, Tailor: A student fashion show revives an old question: Does wearable technology have legs?," *I.D. (International Design Magazine)* 52, no. 6 (September–October 2005): 48–52.
3. Regine Debatty, "ætherspace," May 27, 2005, accessed May 18, 2012, <http://www.we-make-money-not-art.com/archives/2005/05/therspace-is-a.php>.

seamless, version 1.0

1. Jessie Scanlon, "Tinker, Tailor: A student fashion show revives an old question: Does wearable technology have legs?," *I.D. (International Design Magazine)* 52, no. 6 (September–October 2005): 48–52.
2. Donald Melanson, "Lumiloop modular LED bracelet," May 21, 2005, accessed May 18, 2012, <http://www.engadget.com/2005/05/21/lumiloop-modular-led-bracelet/>.
3. Regine Debatty, "Computational Couture," May 19, 2005, accessed May 18, 2012, <http://www.we-make-money-not-art.com/archives/2005/05/computational-c.php>.
4. Jo-Anne Green, "Seamless," May 19, 2005, accessed May 18, 2012, <http://www.turbulence.org/blog/archives/000925.html>.

Mentions by Boston Globe (June 22nd, 2005), AP Wire, CNN (June 2nd, 2005), Gizmodo, Design Technica.

Professional Organizations

- + Association for Computing Machinery (ACM)
- + College Art Association (CAA)

- College Book Art Association
- Hand Papermaking Association
- Society for Literature, Science, and the Arts (SLSA)
- Surface Design Association (SDA)