# LEV MANOVICH

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Born: Moscow, Russia. Citizenship: U.S.

 **EDUCATION**

UNIVERSITY OF ROCHESTER, 1989-1993

Ph.D. in Visual and Cultural Studies, 1993

 Coursework in art history, literary theory, film theory and cultural studies.

 Dissertation title: "The Engineering of Vision from Constructivism to Virtual Reality"

NEW YORK UNIVERSITY

M.A., Program in Experimental Psychology, Department of Psychology, 1988

Coursework in image processing, computer vision, visual perception, human information processing, statistics, probability theory, cognition.

 Thesis: a software package for simulation of mathematical models of human vision

B.A., Liberal Arts,1985

 Gallatin Division 1983-1984

 Department of Film and Television, Tisch School of the Arts, 1982-1983

MOSCOW INSTITUTE OF ARCHITECTURE, Moscow

 Department of Civil Architecture, 1977-79

ADDITIONAL STUDIES

Cornell University, Graduate Student Exchange Scholar, 1991-1992 (graduate classes in social theory, political theory, art theory)

International Summer Institute for Semiotic Studies, University of Toronto, Toronto, 1990 (semiotics, literary theory)

NEH Summer Institute "Theory and Interpretation in the Visual Arts," University of Rochester, 1989 (art theory)

CUNY, New York, 1987-1988 (graduate classes in philosophy)

New School for Social Research, New York, 1987-1988 (graduate classes in philosophy)

Art Students League, New York, 1983 (drawing, painting)

Private studies in classical drawing techniques, Moscow, 1975-1977

School of Fine Arts, Moscow, 1974-1975 (drawing, painting)

University of the Arts, Moscow, 1972-1974 (fine arts)

**GRANTS** (for Software Studies Initiative research, 2008-)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Title | Agency | Amount of award | Date and period of contract/grant | Role, e.g. PI, co-investigator, project leader, etc. |
| Vectors journal Fellowship | Vectors journal (USC) | $47,500 | 6/2007-6/2008  | PI |
| Cultural Analytics: A New Methodology For Studying Creativity (UCSD Academic Senate Research Fellowship) | UCSD  | $15,000 | 2008-2009 | PI |
| Visualizing Cultural Patterns (UCSD Chancellor Office Collaboratory award) | UCSD Chancellor Office | $120,000 | 7/1/2008-7/1/2010 | Co-PI |
| Visualizing Patterns in Databases of Cultural Images and Video (NEH Humanities High Performance grant) | National Institute of Humanities | $14,000 | 1/2009-12/2009 | PI |
| Mapping Asian Cultures: From Data to Knowledge | Singapore Ministry of Education | $141,000 | 4/2009-4/2012 | External collaborator |
| Interactive Visualization of Media Collections for Humanities Research (NEH Digital Startup Level 2 grant) | National Institute of Humanities | $50,000 | 5/2010-5/2011 | PI |
| Interactive Supervisualization of Large Image Collections (CSRO grant) | Calit2 | $38,940 | 5/2010-5/2011 | PI |
| A Cultural Analytics Framework for Identifying and Integrating Creative Patterns of User Behavior and Experience in the Scalable City Multi-User Virtual World (NSF EAGER Grant) | NSF | $300,00 | 8/2010-8/2012 | Co-PI |
| Tools for the Analysis and Visualization of Large Image and Video Collections for the Humanities | Mellon Foundation | $476,623 | 4/2012-3/2015 | PI |

**AWARDS AND FELLOWSHIPS** (up to 2008):

Dean's Fellowship, New York University, 1984

Founder's Day Award, New York University, 1984

Dean's Fellowship, Graduate School of Arts and Sciences, New York University, 1987-1988

New York University Graduate Fellowship, 1986-1988

New York University Graduate Fellowship, 1986-1988

National Institute of Health Fellow, 1987-1988.

University of Rochester Graduate Fellowship, 1990-1992

 Research Grant, Center in Russian and East European Studies, University of Illinois, 1991.

 Summer Faculty Fellowship, University of Maryland, 1994

Faculty Development Grant, University of Maryland, 1994

Special Research Initiative Support award, University of Maryland, 1994-1995

**Mellon** Fellowship in Art Criticism, California Institute of the Arts, 1995-1996.

Academic Senate Research Fellowship, UCSD, 1996-1997

Faculty Career Fund Fellowship, UCSD, 1997-1998

Summer Faculty Fellowship, UCSD, 1997

Hellman Faculty Fellowship, UCSD, 1997-1998

Chancellor's Associates Faculty Grant, 1999-2000

Humanities Center Fellowship, UCSD, 2000

Academic Senate Research Fellowship, UCSD, 2000-2001

Academic Senate Research Fellowship, UCSD, 2001-2002

**Guggenheim** Fellowship, 2002-2003.

Academic Senate Research Fellowship, UCSD, 2006-2007

**INVITED RESIDENCIES:**

Villa Waldberta residency, Cultural Department, Munich, May 1996.

Critic in residence, Medialabor Munich, Munich, May 1996.

Fellow, The Zentrum für Literaturforschung, Berlin, July-September 2002.

Digital Culture Fellow 2002, The Digital Cultures Project, UCSB, April–June 2004.

Inaugural Critic residency, Sydney College Of The Arts, Sydney, April 2003.

Inaugural media artist residency, The Baltic Center, Newcastle, July-September 2003.

Visiting Scholar, University of Cologne, Cologne, July 2004.

Media theory residency, Hong Kong Art Center, Hong Kong, September 2004.

Visiting Fellow, The Piet Zwart Institute, Rotterdam, Fall 2005.

**ADMINISTRATION POSITIONS**SOFTWARE STUDIES INITIATIVE <www.softwarestudies.com>,
California Institute for Telecommunication and Information (Calit2).
Founder and Director, May 2007 – present

**TEACHING POSITIONS**

THE GRADUATE CENTER, CUNY
Professor, Graduate Computer Science Program, 2013-

UNIVERSITY OF CALIFORNIA, SAN DIEGO, USA

Professor, Visual Arts Department, 2005 - 2012

Associate Professor, Visual Arts Department, 2000 - 2005

Assistant Professor, Visual Arts Department, 1996 – 2000

UNIVERSITY OF MARYLAND BALTIMORE COUNTY, USA

Assistant Professor of Imaging and Digital Arts, Visual Arts Department, 1993 - 1996

# VISITING TEACHING POSITIONS

EUROPEAN GRADUATE SCHOOL, Saas-Fee, Switzerland
Visiting Professor, 2009 –

CENTRE FOR CULTURAL STUDIES, GOLDSMITHS COLLEGE, University of London, UK

Visiting Professor, 2007- 2008

INSTITUTE OF CREATIVE TECHNOLOGIES, DE MONTFORT UNIVERSITY, Leicester, Visiting Research Professor, 2008-2010

COLLEGE OF FINE ARTS, THE UNIVERSITY OF NEW SOUTH WALES, Sydney
Visiting Research Professor, 2007-2009

GOTHENBERG ART ACADEMY, Gothenberg, Sweden

Visiting Professor, Fall 2007

CENTER OF IMAGE SCIENCE, DONAU-UNIVERSITAET KREMS, Austria

Visiting Professor, 2007-

UNIVERSITY OF SIEGEN, Siegen, Germany,

Visiting Professor, 2007

THE ART SCHOOL, HONG KONG ARTS CENTRE, Hong Kong

Visiting Professor, September 2004

SCI-ARC (Southern California School of Architecture), Los Angeles
Visiting Professor, summer session 2004

UNIVERSITY OF ART AND DESIGN, HELSINKI

Visiting Professor, Media Lab, Fall 2000

AMSTERDAM UNIVERSITY

Visiting Professor, Department of Film and Television, Fall 1999

STOCKHOLM UNIVERSITY

Visiting Professor, Department of Cinema Studies, Fall 1999

CALIFORNIA INSTITUTE OF THE ARTS, USA

Mellon Fellow in Art Criticism, Division of Critical Studies, 1995-1996

Instructor, "Art, Digital Media and Cyberculture"lecture course,1995

SCHOOL OF FILM AND TELEVISION, UCLA, USA

Visiting instructor, winter 1996

"Digital Movie Making" course for MFA students in film and Ph.D. students in Critical Studies

ART CENTER COLLEGE OF DESIGN, USA

Graduate Advisor, 1995

UNIVERSITY OF SYRACUSE, USA

Visiting Assistant Professor, DEPARTMENT OF ART MEDIA STUDIES, 1992-1993

Courses in computer graphics, computer animation, computer graphics programming

UNIVERSITY OF ROCHESTER, USA

Instructor, "Vision Machines from Renaissance to Computer Age," DEPARTMENT OF ART AND ART HISTORY, 1992

FILM/VIDEO ARTS, New York

Instructor, workshop on computer graphics and animation, 1990

**INDUSTRY EXPERIENCE**

CONTENT DEVELOPMENT

Contributing Editor, television.com, Los Angeles, 2000.

Conceptualized a section of the new Web portal television.com focusing on interactive television and the future of media. Wrote 5 columns on media/IT convergence for this section.

3D COMPUTER GRAPHICS AND ANIMATION

Consultant in Computer Animation, Visual Impressions, Rochester, NY, 1991-1992

Director of Computer Animation Production, Visual Impressions, Rochester, NY, 1988-1990

Computer Animator, Digital Effects, New York, 1984-85

SOFTWARE DEVELOPMENT

Software Engineer, COM-PRO, Rochester, 1988

Design, coding (C/UNIX) and documentation of real-time telecommunication application.

Research Assistant, Visual Modeling Lab, New York University, 1986-1988

Design, coding (C/UNIX) and documentation of a software package for simulation of mathematical models of human vision.

**CURATORIAL EXPERIENCE**

Member of Curatorial Team, New York Digital Salon, New York, 2002.

Member of Curatorial Team, Media\_City Seoul Biennale, Seoul, 2006. Large international biennale of media art that in 2006 presented 70 artists.

Member of Curatorial Team, Internet Pavilion, Venice Biennale, 2011.

 **EDUCATIONAL CONSULTING**

Consultant ( establishment a program in new media), School of the Arts, Columbia University, New York, 2002.

**SYMPOSIUMS, SEMINARS, WORKSHOPS, PANELS ORGANIZATION**

1. Computing Culture, UCSD, 1998.
A one day symposium about new media art and culture. Organizer and Chair.

2. [SoftWhere 2008](http://workshop.softwarestudies.com/).
This two day international workshop at UCSD was the first North America event for the emerging Software Studies field. The workshop included presentations from 24 participants. Co-organized by Lev Manovich, Noah Wardrip-Fruin, Jeremy Douglass. May 2008. Funded by Calit2, Visual Arts Department (UCSD), CRCA (Center for Research in Computing and the Arts), HASTAC (Humanities, Arts, Science, and Technology Adavanced Collaboratory, [hastac.org](http://hastac.org/)), and UCDARNET ([ucdarnet.org](http://www.ucdarnet.org)). Workshop web site with videos of all presentations: <http://workshop.softwarestudies.com/>.

 3. “Software Studies” panel, HASTAC II conference, University of California – Irvine, May 23, 2008 Panel organizer and moderator.

 4. Cultural Analytics seminar @Calit2: Software Studies, Calit2 +UCSD and University of Bergen, December, San Diego, December,16-17, 2009. 2 day seminar organizer and presenter.

5. “Visualization as a Method in Art History” session, College Art Association (CAA), February 2012. Co-chair.

 **BOOK SERIES EDITOR**

Co-editor (with Noah Wardrip-Fruin and Mathew Fuller), [Software Studies](http://mitpress.mit.edu/catalog/browse/browse.asp?btype=6&serid=179) book series, MIT Press, 2008 – present

Member, editorial board, The Quantitative Methods in the Humanities and Social Sciences book series, Springer, 2012-

**SOFTWARE FOR DIGITAL HUMANITIES RESEARCH**

1)
Douglass, Jeremy, Sunsern Cheamanunkul, Lev Manovich. Cultural Analytics Toolkit. 2009-2011.
A number of open source software tools for the analysis of sets of cultural images and videos. Written in Java, Python, and Matlab. Together with Jeremy Douglass, I developed specifications for the tools, supervised implementation, and extensively tested software during development.
The tools are available on http://code.google.com/p/softwarestudies/.

2)
Yamaoka, So, Lev Manovich, Jeremy Douglass, Falko Kuester. HiperSpace Cultural Analytics tools. 2009-2011.
Software for real-time interactive visualizations of image sets on scalable multi-screen display walls that use [CGLX](http://vis.ucsd.edu/mediawiki/index.php/Research_Projects%3A_CGLX) middleware. Developed on 287 megapixel HIPerSpace supervisualization system by Gravity Lab at Calit2 under Manovich’s direction. I have supervised software design, development, extensive incremental testing using data sets provided by Software Studies Initiative, and co-authored a paper about the software
and its use.

3)
Manovich, Lev. ImageSlice. 2009-2010.
ImageJ macro for visualizing an image sequence as a “slice.” I conceived and wrote the software.

4)
Manovich, Lev. ImageMontage. 2009 - 2010.
ImageJ macro for visualizing image sets in a grid format with user-defined options. I conceived and wrote the software.

5)
Manovich, Lev. ImagePlot (development versions). 2009-2010. ImageJ macro for creating highly
customisable high-resolution visualizations and animations of image sets of any size. I conceived and wrote the software.

6)
Manovich, Lev. ImageMeasure. 2009-2011. ImageJ macro for batch measuring visual properties of an image set. I conceived and wrote the software. (Distributed together with ImagePlot.)

7)
Lev Manovich, Jeremy Douglass, Jay Chow, Xiangfei Zeng, Matias Giachino, and Tara Zepel. ImagePlot. 2010 – 2013.
Based on the original code written by Lev Manovich in 2009-2010 for our internal lab use, we developed a full version with GUI, written detailed documentation, created sample data sets, and prepared software package for public distribution. I supervised the development, tested software, co-authored documentation, and directed preparation of package for public distribution.
http://lab.softwarestudies.com/p/imageplot.html

8)

Zepel, Tara and Lev Manovich. ImagePlot documentation. 2011.
Co-authoted documentation for ImagePlot software which includes both practical instructions and theoretical discussions how to explore cultural images using digital image analysis and visualization.

<http://lab.softwarestudies.com/p/imageplot.html>

9) Jeremy Douglass, Lev Manovich, Omeed Mirbod, Jay Chow. SEASR/Meandre image analysis and visualization tools. 2012-

Using the grant from Andrew Mellon Foundation, we begin development of a new set of software tools for SEASR/Meandre, a major digital humanities platform supported by Mellon Foundation. The proposed software will the first comprehensive and integrated tool set for working with image and video collections types inside a single software environment. During the first year of the grant (2012-2013), we implemented and documented the first working version of the software (see <http://neen.ucsd.edu/MeandreDocumentation/>.) Together with Jeremy Douglass, I developed detailed specifications for the software, supervised the developers, and worked on the preparation of sample data sets and their visualizations.

**PUBLICATIONS**

## I. DVD

1)

Lev Manovich / Andreas Kratky. Soft Cinema: Navigating the Database. MIT Press, 2005.

A DVD presenting two films by Lev Manovich, one film by Andreas Kratky, architectural projects by Jason Danziger and Andreas Angelidakis, visualization by OfCD, and documentation of Soft Cinema installations (2002-2004).

First printing: May 2005.
Reprinted December 2005.

Selected as the Book of the Month for February 2007 by The Resource Center for Cyberculture Studies. ([http://rccs.usfca.edu)](http://rccs.usfca.edu/bookinfo.asp?ReviewID=441&BookID=352)

Publications:

Richard Colson, The Fundamentals of Digital Art (textbook), (Switzerland: AVA, 2007). (www.avabooks.ch)

Pat Harrigan and Noah Wardrip-Fruin, eds., Second Person (The MIT Press, 2007).

Collections:

 “Sonarfiles,” a mobile mediatheque which shows a story of contemporary
electronic culture through Sonar festival history. (Included 2006).

Selected DVD reviews and articles about the DVD:

AfterImage (USA), review by Seth Thompson, September-October 2005.

The Moving Image Journal (USA), review by Steve Anderson, 2005.

MetroTimes (Detroit), review by Rebecca Mazzei, October 5, 2005.

Exibart Onpaper, review by Monica Ponzini (September-October, 2005), 57.
Art Monthly (UK), review by Michael Gibbs, November 2005.

De Tijd (by Pieter van Bogaert), August 29, 2005.

Exibart (Italy), No. 25, September/October 2005.

A Minima (Spain), No. 13, September 2005.

Svenska Dagbladet (Sweden), November 17, 2005.

Resource Center for Cyberculture Studies, review by Tico Romao, February 2007.

 Le Monde Diplomatique (Norway Edition), “Database as a Cultural Form,” a feature by Trong

 Lundemo, January 2007. (Feature.)

## II. BOOKS

1)

Manovich, Lev and Efimov, Alla. Tekstura: Russian Essays on Visual Culture. Chicago: University of Chicago Press, 1993. 257 pages. Co-editor, translator, and co-author of the introduction.

2)

Manovich, Lev. Metamediji [Macromedia]. Belgrade: Center for Contemporary Arts, 2001. This book, published in Serbian, consists of five previously published articles and an introduction.

3)

Manovich, Lev. The Language of New Media. Cambridge, Mass.: The MIT Press, 2001.

Selected as the book of the month (8/01) in Resource Center for Cyberculture Studies.

A section “How Media Became New” reprinted in Communication in History: Technology, Culture, Society, 4rth ed. (Pearson Education, 2003).

A part of the book section “What is New Media” reprinted in The New Media Theory Reader
(London: Open University Press).

Selections from “Database as Symbolic Form” and “Navigable Space” chapters reprinted in The New Media and Technocultures Reader, eds. by Seth Giddings with Martin Lister. Routledge, 2011.

Published translations:

Italian (Edizioni Olivares).

Korean (Thinking Tree).

Spanish (Paidós.)

Latvian ( Riga Center for New Media Culture).

Polish (Wydawnictwa Szkolne I Pedagogiczne).

Lithuanian (MENE).

Slovenian (Zavod Projekt)

French (Espace Multimédia Gantner).

Estonian (Estonian Academy of Arts; due for publication by January 2012).

Translations in progress (contract signed with The MIT Press):

Greek (Athens School of Fine Arts).

Japanese (licensed to Misuzu Shobo).

Turkish (Everest publications).

Chech (Korolinum Press, Charles University, Prague).

Chinese simplified character edition (Post Wave Publishing Ltd.).

The reviews of The Language of New Media - US (total 24):

Artbyte, review by Steven Shapiro, May 2001.

Rhizome, review by Marisa S. Olson, July 2001.

Resource Center for Cyberculture Studies, review by Katie Mondloch, August 2001.

Resource Center for Cyberculture Studies, review by Bryan Alexander, August 2001.

CAA Reviews, review by Katie Mondloch, summer 2001.

Afterimage, review by Are Flagan, July/August 2001.

I.D. (International Design Magazine), short review, June 2001.

Infodad.com (TransCentury Comm.), short review, May 2001.

Publishers Weekly, mention, August 28, 2000.

Forecast (Bridgewater, NJ), short review, Nov. 2000.

Leonardo, review by Sean Cubitt, Fall 2001.

Artforum, review, Spring 2001.

RES, review, 2001.

Convergence, review, summer 2001.

Film Comment, review by Paul Arthur, Nov/Dec 2001.

Post-Modern Culture, review by William Warner, 2002.

Literature and Psychology, review, 2002.

Electronic Book Review, review by Geniwate**,** April 2002.

Artmargins, review by Inke Arns, 2002.

Argumentation and Advocacy, review by Barbara Warnick, Spring 2002

Kairos 7: 1, review by Bradley Dilger, Spring 2002 (english.ttu.edu/kairos/7.1/).

Wired 10.08, short review, August 2002, p. 54.

American Literature 6/2003, 456-457, review by Gristina Klein.

Image & Narrative February 2003, Jan Van Looy, “Digital Marx: Manovich's New Language of Media” (www.imageandnarrative.be/mediumtheory/janvanlooy.htm).

The reviews of The Language of New Media - Other Countries (total 35):

DPICT, review, April/May 2001.

Financieel Economische Tijd (Brussels), review by Pieter van Bogaert,
August 2001.

Visio (Helsinki), review by Erkki Huhtamo, April 2001.

Mute 20 , review by Josephine Berry, June 2001.

Cre@te Online (London), review, August 1, 2001.

rai.it (Web portal of Italian TV), review by Marco Deseriis, July 2001.

Design Research News, review, August 2001.

DE:BUG 55, review by Stefan Heidenreich, 2001.

Frankfurter Allgemeine Zeitung, review by Bernhard Dotzler, March 8, 2002.

Berta Sichel, review in Madrid (publication unknown), 2001.

netzeitung, review by Martin Conrads, 2001. Germany.

Texte zur Kunst, review by Martin Conrads, 2001 Germany.

Art Monthly, review by Michael Gibbs, October 2001.

Berliner Zeitung, review by Tilman Baumgärtel, 2001.

Telepolis, review by William Warner, 2002. Germany.

Galaxia. Transdisciplinarity Journal on Semiotics, Communication and Culture, review by Irene Machado, 2002. Brazil.

Senses of Cinema (http://www.sensesofcinema.com/) review by Darren Toffs (AU), 2002.

The Art Book (UK), review, March 2002.

Medienwissenschaften Rezensionen, review by Lutz Nitsche, 2002. Germany.

Dichtung Digital, review by Heiko Idensen (www.dichtung-digital.com/2002/03-22-Idensen.htm) (Germany)

Sueddeutsche Zeitung, review by Cornelia Vismann, Munich, 2002.

Xi (Amsterdam), review, 2002.

De Witte Raaf 97 (May-June 2002), review by Paul de Vylder

Zurcher Kultur (Switzerland), review by Stefan Zucker, May 17 2002.

Cream 10 <http://www.laudanum.net/cream> review by Inke Arns, 2002.

Dichtung Digital, review by Inke Arns (Germany), 2002.

IASL, feature article about the book by Rembert Hüser (Germany). 2002.

Architectural Association Files 47 (pp. 76-78), review by Norman Bryson, 2002.

Common Knowledge 9:1, review by Marjorie Perloff. (pp. 158-159.) (Duke University Press, 2003),

The European Journal of Communication 17 (3), review by Michael Higgins, 2002.

Apogeonline, review by Matteo Bittanti.

Politiken, review by Andreas Brogger (Sat, August 17, 2002), Danish daily newspaper.

Film-Philosophy (www.film-philosophy.com), Michael Truscello, “The Birth of Software Studies: Lev Manovich and Digital Materialism”Vol. 7 No. 55, December 2003 (London).

Film-Philosophy, vol. 8 no. 19, review by Eddie Duggan, June 2004 (London).

4)

Lev Manovich and ZKM. Soft Cinema 1. ZKM / Zentrum für Kunst und Medientechnologie, Karlsruhe, Germany. First edition, 2002. Second revised edition, 2003. 60 pages.

Editor and main author; contributions by Andreas Kratky, Jason Danziger, and Andreas Angelidakis.

5)

Lev Manovich and Andreas Kratky. Soft Cinema: Navigating the Database. MIT Press, 2005. The 40-page book that accompanies Soft Cinema: Navigating the Database DVD. Editor and main author; with contributions by Andreas Kratky.

6)

Lev Manovich. Black Box – White Cube. Berlin: Merve Verlag Berlin, 2005. This book published in German consists from five previously published essays.

7)
Lev Manovich. Software Culture. Italian translation: Milan: Edizioni Olivares, 2010.

The English text released on the web under Creative Commons License, 11/20/2008: www.softwarestudies.com/softbook.

8)

Lev Manovich. Software Takes Command. Bloomsbury Academic: 2013. 370 pages.

(Significantly revised and expanded version of Software Culture published in Italian in 2010.)

Published Translations:

 (Spanish) El software toma el mando. UOC Press, 2013.

## IV. White papers

Manovich, Lev. “Cultural Analytics.” June 2008.

## V. Research Articles and Book Chapters

1)

Manovich, Lev. "Perceptual Semiotics: Functions of Repetitions in a Visual Image." In Semiotics 1988, edited by J. Deely, K. Haworth, T. Previtt, 479-486. New York: University Press of America, 1988. Journal article.

2)

Landy, M.S., Manovich, L.Z. and Stetten, G.D. “Applications of the EVE Software for Visual Modeling.” Vision Research 31: 329-338. Journal article.

3)

Landy, M.S., Manovich, L.Z. and Stetten, G.D. "All About EVE: The Early Vision Emulation Software." Behavior Research Methods, Instruments and Computers 21, no. 5 (1989): 491-501. Journal article.

4)

Manovich, Lev. "Describing the Structure of a Visual Image." In Semiotics 1989, edited by J. Deely, K. Haworth, T. Previtt, 193-200. New York: University Press of America, 1989. Journal article.

5)

Manovich, Lev. "'Real' Wars: Esthetics and Professionalism in Computer Animation." Design Issues 6, no. 1 (Fall 1991): 18-25. Journal article.

6)

Manovich, Lev. "Assembling Reality: Myths of Computer Graphics." Afterimage 20, no. 2 (September 1992): 12-14. Journal article.

Reprinted (in German) as "Reality Effects in Computer Animation." In Illusion und Simulation. Begegnung mit der Reality, edited by Stefan Iglhaut, Florian Roetzer, Elisabeth Schweeger, 49-60. Cantz Verlag, Ostfildern, 1995. Book chapter.

Reprinted in A Reader in Animation Studies, edited by Jayne Pilling. Sydney: John Libbey & Company, 1997. Book chapter.

7)

Manovich, Lev. "Mapping Space: Perspective, Radar and Computer Graphics." In SIGGRAPH '93 Conference Proceedings, edited by Thomas Linehan, 143-147. New York: ACM, 1993. Conference paper.

Reprinted (in Finnish) in Virtuaalisuuden Arkeologia (Archeology of Virtuality), edited by Erkki Huhtamo, 143-159. Finland: The University of Lapland, 1995. Book chapter.

8)

Manovich, Lev. "The Engineering of Vision and the Aesthetics of Computer Art." In Computer Graphics 28, no. 4 (1994): 259-263. Journal article.

Reprinted as "The Labor of Perception: Electronic Art in Post-Industrial Society." In ISEA '94. Fifth International Symposium on Electronic Art Proceedings. Helsinki: University of Art and Design, 1994. <http://www.uiah.fi/publications/isea_proc>. Conference paper.

9)

Manovich, Lev. "Digital (R)evolution." (In English and German) In European Media Art Festival 1994, 306-309. Osnabrück: Europäisches Medienkunst Festival, 1994. (This article later become part of "Paradoxes of Digital Photography.”) Conference paper.

10)

Manovich, Lev. "From the Externalization of the Psyche to the Implantation of Technology." In Mind Revolution: Interface Brain/Computer, edited by Florian Rötzer, 90-100. München: Akademie Zum

Dritten Jahrtausend, 1995. Book chapter.

Reprinted in Artbrain 2 (New York, 2002). ([www.artbrain.org](http://www.artbrain.org)). Journal article.

Reprinted in Prosthetics: Carnal. Assembling. Extant, eds. Marquard Smith and Joanne Morra (The MIT Press, 2005). Book chapter.

11)

Manovich, Lev. "The Labor of Perception." (In German) Schöne neue Welten?, edited by Florian Rötzer, 158-170. München: Klaus Boer Verlag, 1995. Book chapter.

Reprinted in Clicking In: Hot Links to a Digital Culture, edited by Lynn Hershman-Leeson, 183-193. Seattle: Bay Press, 1996. Book chapter.

Reprinted (in English and German) in Telepolis - das Magazin der Netzkultur (www.ix.de/tp) 1997. Journal article.

12)
Manovich, Lev. "Archeology of a Computer Screen." (In German) Art Forum International 132

Kunst (November - January 1996): 124-135. Journal article.

Reprinted (in English and in Russian) in NewMediaLogia, edited by Irina Alpatova, 39-50. Moscow: Soros Center for the Contemporary Art, 1996. Book chapter.

Reprinted (in Finnish) in Johdatus uuteen mediaan, edited by Minna Tarrka, Kari Hintikka and Asko Mäkelä, 166-182. Helsinki: Edita, 1996. Book chapter.

Reprinted (in English) in kitsch 14 (Trondheim, Norway: Kunstakademiet, 1997): 4-9. Journal article.

Reprinted (in English) in Cain, Abel or Cable? The Screen Arts in the Digital Age, edited by Thomas Elsaesser, 27-43. Amsterdam: Amsterdam University Press, 1998. Book chapter.

Parts reprinted (in Russian) in Works of the Laboratory of Virtualistics. Vol 4. Virtual Realities, edited by Nikolai Nosov, 176-182. Moscow, 1998. Book chapter.

Reprinted (in Danish) in I billedet er alt mulight, edited by Bent Fausing. Copenhagen: Tiderne Skifter/Gylendal Publisher, 2000. Book chapter.

Reprinted (in Polish) in Technologie widzialnosci, an anthology dedicated to theory of electronic media (Cracow: UNIVERSITAS Publishing House, 2001). Book chapter.

13)

Manovich, Lev. "Paradoxes of Digital Photography." (In English and German) Photography After Photography, edited by V. Amelunxen, Stefan Iglhaut, Florian Rötzer, 58-66. Münhen: Verlag der Kunst, 1995. (A part of this article was first published as "Digital (R)evolution.") Book chapter.

Reprinted (in Finnish) in Tiedotustutkimus 3/1997 (Finland: University of Tampere): 41-48. Journal article.

Reprinted in The Photography Reader, edited by Liz Wells (London: Routledge, 2002). Book chapter.

Reprinted (in Spanish) in The Uses of Image: Photography, Film and Video in La Colección Jumex (Latin American Art Museum of Buenos Aires, Buenos Aires, 2004). Book chapter.

Reprinted (in Polish) in Kolem Fotografie (Euroamericke mysleni o fotografii) [On Photography (Euro-American Thoughts On Photography)], ed. Pavel Vancat. Prague: Fra Publishing, 2005. Book chapter.

14)

Manovich, Lev. "Reading Media Art." (In German) Mediagramm (ZKM / Zentrum für Kunst und Medientechnologie Karlsruhe) 20 (July 1995): 4-5. Journal article.

15)

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Reprinted (in Portuguese) in Olhar Midiático (Universidade Federal do Ceará, Brazil), 2004. Book chapter.

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Published (together with “After Effects, or Velvet Revolution”), web site of Media Design Research, a graduate program of Piet Zwart Institute (Rotterdam, 2006). (<http://pzwart.wdka.hro.nl/>). Article for online academic portal.

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Reprinted in Throughout: Art and Culture of Ubiquitous Computing, edited by Ulrik Ekman, 311-320 (Cambridge, Mass.: MIT Press, 2013.) Book chapter.

Significantly revised version published as “‘The Back of Our Devices Looks Better Than the Front of Anyone Else’s’ – On Apple and Interface Design”, in Moving Data: The iPhone and the Future of Media, edited by Pelle Snickars and Patrick Vonderau, 278-286(New York: Columbia University Press: 2012). Book chapter.

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Manovich, Lev. “Understanding Hybrid Media,” in Animated Painting, edited by Betti-Sue Hertz, 36-47 (San Diego: San Diego Museum of Art, 2007). Book chapter.

The four articles – (1) “After Effects, or Velvet Revolution,” (2) “Import/Export,” (3) “Deep Remixability”, and (4) “Understanding Hybrid Media” – form one series. The articles (2) and (3) contain completely original material. The article (4) contains one part (2920 words) which summarizes the arguments developed in previous articles, while the other part (3800 words) presents original material.

81)
Manovich, Lev (in English and German). “What Comes After Remix?” Momentum, n.p. (Berlin, 2007). Journal article.

### Revised version published as “Remix As Epistemology” in Old News, ed. Jacob Fabricius (Copenhagen, 2007).

### Reprinted in Anglistica (Naples), special issue “English and Technology,” 2007. ([www.anglistica.unior.it](http://www.anglistica.unior.it)). Journal article.

82)

Manovich, Lev (in English and Italian). “A Painter of Contemporary Life,” in Miltos Manetas, Paintings From Contemporary Life*,* edited by Miltos Manetas, 6-17 (Milan: Johan & Levi Editore, 2007). Book chapter.

83)

Manovich, Lev. “On Soft Cinema: Mission to Earth” in Second Person: Role-playing and Story in Games and Playable Media, edited by Pat Harrigan and Noah Wardrip-Fruin, 159-162 (Cambridge, Mass.: MIT Press, 2007). 1,328 words. Essay about Soft Cinema project for an edited book.

84)
Manovich, Lev. “Designing Shanghai, or Why East is the New West,” in Shanghai Kaleidoscope, edited by Christopher Phillips, 28-50 (Toronto: The Royal Ontario Museum, 2008). 7, 444 words. Book chapter.

85)
Manovich, Lev. “The Practice of Everyday (Media) Life,” in The Art of Participation: 1950 to Now, edited by Rudolf Frieling, 66-80 (New York: Thames & Hudson, 2008). 7,568 words. Book chapter.

Reprinted in Video Vortex Reader: Responses to YouTube, eds. Geert Lovink and Sabine Niederer, eds, (Amsterdam: Institute of Network Cultures, 2008). Book chapter.

Reprinted (in German) in Konsumguerilla, ed. Birgit Richard and Alex Ruhl (Frankfurt, 2008.) Book chapter.

### (Revised version) reprinted in Critical Inquiry, Vol. 35, No. 2 (Winter 2009), pp. 319-331. Journal article.

Reprinted (in Spanish) in CAAC journal (Seville), 2010.Journal article.

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Manovich, Lev. “Software Studies” in Direct Digital (exhibition catalogue), edited by Marco Mancuso, n.p. (May, 2009). (http://www.digicult.it/public/DD\_catalogue.pdf). 5,944 words. Exhibition catalog article.

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Manovich, Lev. “New Media” in The Video Game Theory 2, edited by Mark Wolf and Bernard Perron (New York: Routledge, 2008). Book chapter.

88)

Manovich, Lev. “Cultural Analytics: Visualizing Cultural Patterns in the Era of ‘More Media’.” Domus no. 923 (2009): 112-115. 1, 555 words. Magazine article.

89)

Manovich, Lev (in English and German). “How to Follow Global Digital Cultures, or Cultural Analytics for Beginners” in Deep Search: The Politics of Search Beyond Google, edited by Felix Stalder and Konrad Becker, 198- 211 (Wien: Studien Verlag / Transaction Publishers, 2009). 6,084 words. Book chapter.

Short version reprinted as “Introduction to Cultural Analytics” in Fotográfica Bogotá catalog (Bogota, 2010.) Photography annual exhibition catalog.

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Manovich, Lev, and Jeremy Douglass. “Visualizing Change: Computer Graphics as a Research Method” in Imagery in the 21st Century, edited by Oliver Grau and Thomas Veigl, 315-338 (Cambridge, Mass.: MIT Press, 2011.) 6,715 words. Book chapter.

Reprinted (in Portuguese) in Teoria Digital, edited by Paula Perissinoto and Ricardo Barreto (Sao Paolo: FILE, 2010). Book chapter.

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Manovich, Lev. “There is Only Software” in Nam June Paik Reader - Contributions to an Artistic Anthropology, edited by Youngchul Lee and Henk Slager, 26-29 (Seoul: NJP Art Center, 2009.) ([http://www.e-flux.com/shows/view/7548](http://www.e-flux.com/shows/view/7548%22%20%5Ct%20%22_blank)). 1,506 words. Book essay.

Revised version reprinted in SOS 4.8 festival catalog (Spain, 2011). Art, music and media festival catalog.

Reprinted in WRO 2011 catalog (Poland, 2011). Media art catalog article.

Reprinted in A Manifesto for Media Education (<http://www.manifestoformediaeducation.co.uk>), 2011. Online book.

Portugese translation reprinted in Teoria Digital (Sao Paolo: FILE, 2010). Book chapter.

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Manovich, Lev. “Remix After Software.” In Prepare for Pictopia, edited by Lars Denicke and Peter Thaler, 90-95 (Berlin: Pictoplazma Publishing, 2009). 1,746 words. Book essay.

93)

Douglass, Jeremy, William Huber, and Lev Manovich. “Understanding Scanlation: How to Read One Million Fan-translated Manga Pages**”** in Image and Narrative 12, no. 1 (special issue on Manga visual language, March 2011), 190-227 ([www.imageandnarrative.be/](http://www.imageandnarrative.be/)). 9,903 words. Journal article.

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Manovich, Lev. “What is Visualization?” Visual Studies Vol. 26, no. 1 (2011): 36-49. Journal article.

Reprinted in Digarec Series 01 (University of Postdam game studies annual volume), ed. Stephan Guenzel, 2011. 9,784 words. Book chapter.

Reprinted in The Poetess Archive Journal , Vol 2, No 1 (2010): Visualizing the Archive. (paj.muohio.edu). Journal article.

Short version reprinted in Communication and Critical/Cultural Studies, 2011 (title: “Understanding Information Visualization”). Journal article.

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Manovich, Lev. “Place-Hampi as a Metadamedia Experience” in Place-Hampi: Inhabiting the

Panoramic Imaginary of Vijayanagara, edited by Sarah Kenderdine, 229-236 (Heidelberg: Kehrer, 2012). 4,429 words. Book chapter.

96)

Manovich, Lev. “From Reading to Pattern Recognition”, in I read where I am: Exploring New Information Cultures, edited by Mieke Gerritzen, Geert Lovink, Minke Kampman, 40 (Breda: Graphic Museum, and Amsterdam: Valiz, 2011). Book essay.

97)

Manovich, Lev. “Trending: The Promises and the Challenges of Big Social Data**”**, in Debates in Digital Humanities, edited by Matthew Gold, 460-475 (Minnesota University Press, forthcoming 2012). 7,440 words. Book chapter.

98)

Manovich, Lev. “How to Compare One Million Images?” in Understanding Digital Humanities, edited by David Berry, 249-278 (New York: Palgrave Macmillan, 2012). 11,680 words. Book chapter.

99)

Manovich, Lev. “Media Visualization: Visual Techniques for Exploring Large Media Collections”in The International Encyclopedia of Media Studies Vol. VI: Media Studies Futures, edited by Kelly Gates, n.p. (Chichester: Wiley Blackwell, 2011). (http://onlinelibrary.wiley.com/doi/10.1002/9781444361506) 9,409 words. Book chapter.

A part is reprinted as “How to See One Million Images?” in FOAM (Amsterdam, winter 2012 issue, forthcoming.) Journal article.

A part is reprinted as “How to See One Million Images?” in DeForma, no. 1 (Valencia: Editorial Sendema, 2011). Journal article.

100)

Manovich, Lev. “Smart Objects.” Asia Design Journal 6 (2011): n.p. (http://asiadesignjournal.blogspot.com/) 2,785 words. Journal article.

101)

Manovich, Lev. “Inside Photoshop.” Computational Culture 1 (2011): n.p. (http://computationalculture.net/article/inside-photoshop). 7572 words. Journal article.

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Douglass, Jeremy, Falko Kuester, Lev Manovich and So Yamaoka. "Cultural Analytics in Large Scale Visualization Environments." Computer 44, no. 12 (December 2011): 39-48. Cover feature for the special issue on computers and the arts. Journal article.

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Douglass, Jeremy, Lev Manovich, Todd Margolis, and Daniela Ushizima. “Cultural Analytics of Large Datasets from Flickr” InInternational AAAI Conference on Weblogs and Social Media, n.p. (2012). (http://www.aaai.org/ocs/index.php/ICWSM/ICWSM12/paper/view/4781/5097) Conference paper.

104)

Akdag Salah, Alkim Almila, Albert Ali Salah, Jeremy Douglass, Lev Manovich. “Exploring Originality in User-Generated Content with Network and Image Analysis Tools,” Digital Humanities 2012 conference, Hamburg, Germany (www.dh2012.uni-hamburg.de/conference/about/). Conference paper.

105)

Akdag Salah, Alkim Almila, Andrea Scharnhorst, Olav Ten Bosch, Peter Doorn, Lev Manovich, Albert Ali Salah, Jay Chow. “Significance of Visual Interfaces in Institutional and User-Generated Databases with Category Structures” in Proceedings of the second international ACM workshop on Personalized access to cultural heritage (PATCH), 7-10 (New York: ACM 2012). ACM Multimedia Conference, Nara, Japan. Conference paper.

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Akdag Salah, Amila, Lev Manovich, Albert Ali Salah, and Jay Chow. “Combining Cultural Analytics and Network Analysis.” Journal of Broadcasting and Electronic Media 57, no. 3 (2013): 409-426.

Journal article. Invited for the special issue on “Emerging Methods on Digital Media Research.”

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Manovich, Lev. “Visualing Vertov.” Russian Journal of Communication 5, no. 1 (2013): 44-55. 4029 words. Journal article.

108)

Hochman, Nadav and Lev Manovich. “Visualizing Spatio-Temporal Patterns in Instagram Photos.” Proceedings of the GeoHCI Workshop, ACM CHI 2013, Paris, April 2013.

109)

Hochman, Nadav and Lev Manovich. “Zooming into an Instagram City: Reading the local through social media.” First Monday 18, no. 7 (July 1, 2013): n.p. (http://firstmonday.org/ojs/index.php/fm/article/view/4711/3698). 12,161 words. Journal article.

110)

Manovich, Lev. “Kino-Eye in Reverse: Visualizing Cinema” in Cinematicity in Media History, edited by Jeff Geiger and Karin Littau (Edinburgh University Press, 2013). Book chapter.

111)

Manovich, Lev. “Museum without Walls, Art History without Names: Visualization Methods for Humanities and Media Studies” in Oxford Handbook of Sound and Image in Digital Media, edited by Carol Vernallis, Amy Herzog, and John Richardson (Oxford University Press, 2013). Book chapter.

112)

Manovich, Lev. “The Language of Media Software” in The Imaginary App, edited by Paul D. Miller and Svitlana Matviyenko (MIT Press, forthcoming). Book chapter.

113)
Manovich, Lev. “Software is the Message.” Journal of Visual Culture 12, no. 2 (special issue on McLuhan’s Understanding Media at 50, forthcoming Spring 2014). Short article.

114)

Manovich, Lev. “Visualizing Social Photography.” *Aperture* #214, 2014. Short article.

115)

Manovich, Lev. “The Algorithms of Our Lives.” *The Chronicle of Higher Education*, 12/16/2013.

**VI. Books introductions**

1)
Manovich, Lev. "Introduction" (in English and French) to Olga Kisseleva: communication<->identification (Paris: Ministére de la Culture de France, Direction des affaires culturelles de la Ville de Paris - Departement des Arts Plastiques, 1998): 4-9. Exhibition catalog article.

2)

Manovich, Lev. Foreward to Visual Witness by Razvan Ion (New York and Bucharest: artphoto, 2004). Book introduction.

3)

Manovich, Lev. Introduction to the catalog published in conjunction with the exhibition of 10 years of CADRE program (Sa Jose, CADRE, 2006). Book introduction.

4)

Manovich, Lev. Foreword to Manuel Lima, Visual Complexity (Princeton University Press, 2011.) Book introduction.

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## VII. Reviews

1)

Manovich, Lev. Review of “Semiotics of Visual Language,” by F. Saint-Martin and “Pictorial Concepts, by G. Sonneson.” The Art Bulletin LXXIII, no. 3 (September 1991): 500-502. Books review.

Expanded version published as "Insights and Blind Spots of Pictorial Semiotics." The American Journal of Semiotics 9, no. 1 (1992): 131-142.

2)

Manovich, Lev. "Altered States." Afterimage 18, no. 5 (January 1991): 5. Conference review.

3)

Manovich, Lev. "Virtual Cave Dwellers: SIGGRAPH '92." Afterimage 20, no. 3 (October 1992): 3-4. Conference review.

4)
Manovich, Lev. Review of Electrolobby at Ars Electronica 2000, in Artext 72 (February-April 2001). Exhibition review.

5)

Manovich, Lev. “Welcome to the Multiplex: Documenta 11.” Review of Documenta 11 exhibition. In RHIZOME (www.rhizome.org), 2002.

**V. Translations**

1)

Manovich, Lev. Translation of Misiano, Victor. "Cool Reflections. Art Journal 53, no. 2 (Summer 1994): 85-87. Article translation.

2)

Manovich, Lev. Translation of Goushchin, Gennady. “On My Photographs.” Art Journal, 53, no. 2 (Summer 1994): 76-79. Article translation.

**ART PROJECTS AND EXHIBITIONS**

**I. Exhibitions, 1980 – 1995**:

1) Apartment show, Moscow, 1980. Solo exhibition.

2) "International Printmaking," Drew University, 1984. Group exhibition.

3) Electronic Art Show, New York City Art Expo, 1985. Group exhibition.

4) SIGGRAPH '85 Video Show, San Francisco, 1985. Contribution to Digital Effects Demo Reel.

5) Computer Graphics Show, McGovern's Bar, New York City, 1987. Group exhibition.

6) "Art in Exile," Nexus Gallery, Philadelphia, 1987. Group exhibition.

7) Electronic Imaging Show, Florissant Valley Gallery, St. Louis, 1989. Group exhibition.

8) "The Artist and the Computer" Louisville Visual Art Association, Louisville, 1989. Group exhibition.

9) Group exhibition at Pyramid Arts Center, Rochester, 1990. "The End of Perspective" installation.

10) "Terra Sovietica," Rush Rhees Gallery, University of Rochester, Rochester, 1990. Solo exhibition.

11) Art Faculty Show, Art Gallery, Syracuse University, Syracuse, 1993. Group exhibition.

12) Art Faculty Show, Art Gallery, University of Maryland Baltimore County, Baltimore, 1994. Group

 exhibition.

13) ISEA 94 (5th International Symposium on Electronic Art) Media Lounge, Helsinki, 1994. Group

 exhibition.

14) "Bridge -- Checkpoint '95," telecommunication project between Linz, New York, and Moscow; Ars

 Electronica, Linz, Austria, June 1995. Participant in a group project.

**II. Art projects and exhibitions, 1994-2013**:

15)

Manovich, Lev and Natalie Bookchin. “Digital Snapshots.” 3 digital prints. 1995.

Publication:

Beat Wyss. Die Bildergeschichte zur Kunst. Ein Überblick. (Cologne: Verlag der Buchhandlung Walther König, 2005).

Group Exhibitions:

"Photography After Photography," Aktionsforum Praterinsel, Munich, 1995.

Traveling in 1996-1998 to:

Kunst.Halle.Krems (Austria)

Stadtische Galerie Erlangen (Germany)

Bradenburgische Kunstsammlungen Cottbus (Germany)

Musset for Fotokunst Odense (Denmark)

Fotomuseum Winterthur (Switzerland)

Finland fotografiska museum (Helsinki, Finland)

Institute of Contemporary Art (Philadelphia, USA)

Adelaide Festival 1988 (Australia)

16)

"Little Movies." A set of digital films presented on a videotape. 1994-1998.

Screenings:

"NewMediaLogia," Moscow, November 1994

"Third Reality," St. Petersburg, October 1995

"Digital Dialectics," Los Angeles, August 1995

Society for Cinema Studies 1998 Conference, San Diego, April 1998

911 Media Arts Center, Seattle, July 1999

17)

Manovich, Lev. "Little Movies: Volume I." ([www.manovich.net/little-movies](http://www.manovich.net/little-movies)). A set of digital films

presented via a Web site / CD-ROM. 1997.

Press:

RES: The Future of Filmmaking magazine, December 1998.

Steven Ball, "Up the Snakes and Down the Ladders," Mesh 12 (1998/99): 24-26.

Vivian Sobchack, "Nostalgia for a Digital Object: Regrets on the Quickening of QuickTime," in Millennium Film Journal, winter 1999.

Collections:

Artbase, an archive of net.art by RHIZOME, included 1999.

The Rose Goldsen Archive of New Media Art, Cornell University Library, included 2003.

Solo Exhibitions in which this project was show:

“Lev Manovich: Adventures In Digital Cinema.” Digital Arts Centre, ICA London,

 November 2002. (Solo retrospective.)

 “e-magic v.0.1.” Thessaloniki, Greece. November, 2002. (Solo retrospective.)

Group Exhibitions:

"Can you Digit it?" Postmasters Gallery, New York, March 1996.

“The New Venue”, an online festival of digital film ([www.newvenue.com)](http://www.newvenue.com)), 1998.

 “offline@online,” French-Baltic-Nordic Video and New Media Festival, Talinn, November

 1998 (www.online.ee/~offline/festival/).

“Digital Studies: Being In Cyberspace”, an on-line exhibition for new media art and theory,

 co-organized by Mark Amerika and Alex Galloway (www.altx.com/ds), 1998.

Cybermedia Arts Festival, Lisbon, 1999.

Contact Zones: The Art Of CD-ROM, The Herbert F.Johnson Museum of Art, Cornell

 University, 1999. Traveling to:

 Centro de la Imagen in Mexico City, Mexico City, 1999

Virginia Film Festival, 1999.

 "Dissection: A New Epoch in Inter-action”, an International Multimedia Art

 Exhibition, Museum of Macau, China, 2000 (http://www.macaumuseum.gov.mo/)

 MTN Digital/Electronic Art Exhibition, 2000, Gertrude Posel Gallery Johannesburg,

 South Africa (<http://connect.to/digitalelectronicart>)

 Architecture Film Festival, Rotterdam, The Netherlands, 2000.

ISEA 2000 (10th International Symposium on Electronic Arts), Paris, 2000.

 “Electronic Language,” international festival, San Paolo, Brazil, 2000.

 new digital media, Art Mission, Binghamton (US), May - June, 2004.
 “Media Miniature," Pratt Institute Manhattan gallery (New York), March-April 2006.
 “The 4th Screen,” 2006 New York Video Festival, New York July 30, 2006.

18)

Lev Manovich and Norman Klein. "Freud-Lissitzky Navigator" ([www.manovich.net/FLN](http://www.manovich.net/FLN)).

Web project. 1999; updated 2004.

Publications:

Project description published in Leonardo, 2000.

Group Exhibitions:

Cinema and Architecture Biannual, Graz, Austria, 1999. Finalist.

Cybermedia Arts Festival, Lisbon, 1999.

NET.CONDITION, ZKM / Zentrum für Kunst und Medientechnologie Karlsruhe, Germany,

 1999.

Viadarte, Festival de Video y Artes Electronicas, Centro Nacional de las Artes, Mexico City,

 1999.

“Digital Arts and Culture ’99,” international exhibition, Atlanta, 1999.

ARCHIVING AS ART, the French National Science Research Center (CNRS), Paris, 1999

 (http://www.univ-paris1.fr/CERAPLA/ArtC).

ARCHIVING AS ART, ISEA 2000, Paris, 2000.

SHIFT-CTRL, University Art Gallery, University of California, Riverside, 2000.

“Let’s Entertain,” Walker Art Center, 2000. Traveling to:

 Portland Art Museum, Oregon, 2000

 Le Centre Georges Pompidou, Paris, 2000

 Museo Rufino Tamayo, Mexico City, 2001

 Miami Art Museum, 2001

Updated 2004 version, in “Mapping the Unfindable: An Excursion into the Unmappable Mind of Norman M. Klein,” The Beall Center for Art and Technology, University of California, Irvine, 2004.

“The Conquest of Ubiquity,” a survey exhibition of the history of net art (centroparraga.com/ubiquid/), Centro Párraga (Spain), 2003. Traveling to:

XTRA space CajaMurcia Foundation (Murcia), 2003.

 Atlantic Centre of Modern Art (Las Palmas de Gran Canaria), 2003.

 Koldo Mitxelena Kulturunea Fonoteka  (Donostia-San Sebastián), 2004.

19)

Manovich, Lev. " Anna and Andy" ([www.manovich.net/aa](http://www.manovich.net/aa)). Web project. 2000.

Collections:

included in low-fi 10 ([www.low-fi.org.uk](http://www.low-fi.org.uk)), 2002.

Group Exhibitions:

“e-magic v.0.1.” Thessaloniki, Greece, 2002. (Solo retrospective.)

Video Biennial, The Digitalartlab, Holon, Israel, 2002.

“Object/Concept,” UCSD Art Gallery, 2002.

“Multimedia and Contemporary Art,” virtual exhibition on a CD-ROM curated by Mathieu

 Copeland, London, 2001.

Solo Exhibitions in which this project was shown:

“Lev Manovich: Adventures In Digital Cinema,” Digital Arts Centre, ICA London, 2002. (Solo retrospective.)

20)

“Data Beautiful” ([www.manovich/db](http://www.manovich/db)). Web project. 2001.

Collections: [www.cybergeography.org](http://www.cybergeography.org).

Group Exhibitions:

“MAPPING THE WEB INFOME,” New Langton Arts, San Francisco, 2001. ([www.newlangtonarts.org/netart/infome](http://www.newlangtonarts.org/netart/infome))

21)

Manovich, Lev. “Modern OS” a site-specific installation for Electronic Orphanage

([www.electronicorphanage.com](http://www.electronicorphanage.com)), Los Angeles, July 2001 (Solo exhibition). (www.manetas.com/eo/archive/)

22)

Manovich, Lev. “Global User Interface (Soft Cinema Edition).” Computer-driven media installation

with variable narratives and spatial configurations. 2002-03. Commissioned and produced by ZKM

for the exhibition “Future Cinema: Cinematic Imaginary after Film.” Significantlly revised 2004.

Selected reviews and discussions of the project in articles and books:

Steve Anderson, “Select and Combine: The Rise of Database Narratives,” RES vol. 7, no. 1 (2004), 52-53.

“Information is Alive”: Art and Theory on Archiving and Retrieving Data, published in conjunction with DEAF 03 festival (Rotterdam: V2/Nai, 2003), 166-169.

Flash Art, review of Future Cinema by Julie Lazar (Milan, January-February 2003), 55.

Margot Lovejoy, Digital Currents: Art in the Electronic Age, 3rd revised edition (Routledge, 2004). (Book.)

“Politiken”, a feature by Ralf Cristensen (Kopenhagen Daily: May 2, 2003) section 2, p. 5.

Collections:

The Rose Goldsen Archive of New Media Art, Cornell University Library, included 2003.

Database of Virtual Art (<http://virtualart.hu-berlin.de>), included 2005.

Publications:

artphoto 12/2004 (New York and Bucharest). ([www.artphoto.ro](http://www.artphoto.ro)).

Documentaries:

“The Database of Virtual Art”, a series of documentary clips on the selected projects in Future Cinema exhibition, produced by Oliver Grau (ZKM and arte TV, 2002). One of the clips is devoted to Soft Cinema installation.

30 minute TV documentary Outside the Box: New Cinematic Experiences (Akron, Ohio: Wigged Productions, 2005). ([www.wiggedproductions.com](http://www.wiggedproductions.com).) (The documentary film covers five artists and their work, including Lev Manovichs Soft Cinema.)

Solo Exhibitions in which this project was shown:

“Lev Manovich: Adventures In Digital Cinema.” Digital Arts Centre, ICA London, November

 2002. (Solo retrospective).

“e-magic v.0.1.” Thessaloniki, Greece. November 2002. (Solo retrospective.)

“Soft Cinema: Navigating the Database,” Chelsea Art Museum, New York, January 2005.

“Soft Cinema: Navigating the Database,” Experimental Art Foundation, Adelaide, Australia,

 March 2007.

Group Exhibitions (unless otherwise stated, each listing is a computer-driven installation):

Video Biennial, The Digitalartlab, Holon, Israel, November 2002.

H2PTM exhibition and conference, University of Paris 8, Paris, September 2003 (Web).

SENEF 2003, Korea, August 2003.

Mediartspace (<http://www.mediartspace.com>) 2003. (Web)

“Future Cinema” (selections), Kiasma Museum of Contemporary Art, Helsinki, 2003.

“A Perfect Magazine,” curated by Mathieu Copeland, London, 2003. (Presented in print)

“Media Architecture” exhibition, Riga, 2003.

Williamsburg Bridges Asia, Christine Wang Fine Art, Brooklyn, April-May 2003. (Presented

 via DVD)

European Media Festival Osnabruck 2003, Osnabruck, 2003. (Lecture)

Streaming Cinema 3.0, Philadelphia, 2003. DVD.

DEAF 2003, Rotterdam, February 2003.

Transmediale 2003, Berlin, February 2003 (honorary mention in Image category).

“Future Cinema,” ZKM, Karlsruhe, Germany. November 15, 2002 – March 30, 2003.

SENEF, Seoul, September 2004 (2004 version).
Sonar 2007 festival, Barcelona, June 15-17, 2006. ([www.sonar.es](http://www.sonar.es)). DVD.
“Artificial Nature,” Sydney University of Technology Gallery, Sydney, 31 October – 28 November 2006. DVD.

“Post-Cinema,” RMIT Project Space gallery, Melbourne, October 2007.

“Outside the Box,” Cornerhouse, Manchester, September – November, 2007.

23)

Manovich, Lev. “Mission to Earth (Soft Cinema Edition).” Computer-driven media installation, variable configurations. 2003-2004. Commissioned by the Baltic Centre for Contemporary Art (UK).

Selected reviews and discussions of the project in articles and books:

Igal Bursztyn, Intimate Gazes (Haifa, Israel: Haifa University Press, 2009).

Stephen Wilson, Art+Science Now (London and New York: Thames & Hudson. 2010).

Publications:

artphoto 12/2004 (New York and Bucharest). ([www.artphoto.ro](http://www.artphoto.ro)).

Collections:

Database of Virtual Art (<http://virtualart.hu-berlin.de>), included 2005.

Documentaries:

30 minute TV documentary Outside the Box: New Cinematic Experiences (Akron, Ohio: Wigged Productions, 2005). ([www.wiggedproductions.com](http://www.wiggedproductions.com).) (The documentary film covers four artists and their work, including Lev Manovichs Soft Cinema.)

Solo Exhibitions in which this project was shown:

Baltic Centre for Contemporary Art, UK, September 18, 2003.

“Soft Cinema: Navigating the Database,” Chelsea Art Museum, New York, January 2005.

The National Academy of Art, Sofia, Bulgaria, April 2005.

“Soft Cinema: Navigating the Database,” Experimental Art Foundation, Adelaide, Australia,

 March 2007.

Screenings:

“Conference of Birds” artspace, Bangkok, Thailand (www.conferenceofbirds.com), 2008.

Group Exhibitions (unless otherwise stated, each listing indicates a computer-driven installation):

backup\_festival, Weimar, Germany, November 2003.

Split Film Festival, Split, Croatia, September 2003.

“Future Cinema” (selections), The ICC (InterCommunicationsCenter), Tokyo, 2003-2004.

AIM V festival exhibition, Armory, Pasadena (CA), March-June 2004.

“Evolving Perception” USC’s Institute for Genetic Medicine Art Gallery, August – October

 2004

SENEF, Seoul, September 2004.

IV Festival International of the Image (Columbia), November 2004.

'blip' art and science forum, Brighton, England, November 2004.

“Database Imaginary,” Banff's Walter Phillips Gallery, November 23, 2004 –January 13, 2005. Travelling to:

Dunlop Art Gallery, Regina, Saskatchewan, Spring 2005.

Blackwood Gallery, University of Toronto  at Mississauga, Fall 2005.

The Liane and Danny Taran Gallery of the Saidye Bronfman Centre for the Arts,

 Montreal (www.saidyebronfman.org/) (February 2006 – April 2006).

"Identity Factories", [artphoto]image.festival[v.01], MLR Galleries. Bucharest, May - June 2005.

“RE: MODERN: On the Renaissance of Modernism in Contemporary Art,” Kunstlerhaus, Vienna, May – September 2005.

“Outside the Box, The University of Akron's Emily Davis Gallery, January-February 2006. DVD.
Sonar 2007 festival, Barcelona, June 15-17, 2006. ([www.sonar.es](http://www.sonar.es)). DVD.

“Artificial Nature,” Sydney University of Technology Gallery, Sydney, 31 October – 28 November 2006. DVD.

“Post-Cinema,” RMIT Project Space gallery, Melbourne, October 2007.

“Outside the Box,” Cornerhouse, Manchester, September – November, 2007.

24)

Manovich, Lev. “Rothko’ evolution.” Visualization of 205 paintings by Mark Rothko created on

287 megapixel HIPerSpace scalable display system. 2009.

Group exhibitions:

“To see what can´t be seen,” Norrköpings Visualization Center, Norrköping, Sweden, Summer

 2011.

25)

 Lev Manovich, Sergie Magdalin, Tara Zepel, Kedar Reddy. “Media Species.” Visualizations of

 different types of moving images: Betty Boop cartoons (1930s), dance and song scenes from

 Bollywood films (1980s-2000s), TV political ads (2008), and motion graphics (2008-2009). 2009.

Group exhibitions:

“Info-Aesthetics Showcase,” SIGGRAPH, New Orleans, August 2009.

26)

 Douglass, Jeremy, and Lev Manovich. “Time covers.” Visualization of of 4535 *Time* magazine

 covers (every issue from 1923 to 2009) using grid layout. 2009.

Group exhibitions:

“Text Fields,” Futures of Digital Studies 2010, University of Florida, February 2010.

27)

Manovich, Lev, and Jeremy Douglass. “Mapping *Time*.” Animated visualization of *Time* magazine

covers. 2010.

Solo exhibitions:

“Mapping Time: Visualization of Temporal Patterns in Media and Art,” gallery@calit2,

 La Jolla, September-December 2010.

Group exhibitions:

Data Visualization showcase, Strata NYC 2011 conference, September 2011.

Gwangju Design Biennale, Gwangju, South Korea, September-October 2011.

28)

Manovich, Lev, and Jeremy Douglass. “*Time*line.” Visualization of all *Time* magazine covers published from 1923 to 2009 as an image plot. 2009.

Publications:

The Expanding Field of Graphic Design, 1900-2000. The Graphic Design Museum (Breda, Netherlands), 2010, p. 57.

Humanities. The Magazine of the National Endowment for the Humanities, Vol. 32, No. 2, March/Apri, 2011 p. 10-11.

Solo exhibitions:

“Shaping Time,” Graphic Design Museum, Breda, Netherlands, April-June 2010.

“Mapping Time: Visualization of Temporal Patterns in Media and Art,” gallery@calit2,
 La Jolla, September-December 2010.

Group exhibitions:

MySpectacle, ARTifact gallery, The Sixth College, UCSD, January-March 2011.

“To see what can´t be seen,” Norrköpings Visualization Center, Norrköping, Sweden, Summer

 2011.

Data Visualization showcase, Strata NYC 2011 conference, September 2011.

Gwangju Design Biennale, Gwangju, South Korea, September-October 2011.

29)

Huber, William, and Lev Manovich. “Kingdom Hearts I videogame traversal” and “Kingdom Hearts II videogame traversal.” Visualizations of Kingdom Hearts I video gameplay (62.5 hr) and Kingdom

Hearts I video gameplay (37 hr). 2009.

Solo exhibitions:

“Mapping Time: Visualization of Temporal Patterns in Media and Art,” gallery@calit2,
 La Jolla, September-December 2010.

Group exhibitions:

“Text Fields,” Futures of Digital Studies 2010, University of Florida, February 2010.

 Data Visualization showcase, Strata NYC 2011 conference, September 2011.

30)

Douglass, Jeremy and Lev Manovich. “Google Logo Space.” Visualization of 587 versions of Google logo which appeared on google.com between 1998 and 2009. 2009.

Solo exhibitions:

“Mapping Time: Visualization of Temporal Patterns in Media and Art,” gallery@calit2,
 La Jolla, September-December 2010.

 Data Visualization showcase, Strata NYC 2011 conference, September 2011.

31)

Manovich, Lev, and Jeremy Douglass. “*Freakangels* Time Curve.” Visualization of 342 sequential pages of webcomic *Freakangels* published between between Feb 15, 2008 and June 6, 2009. 2009.

Solo exhibitions:

“Mapping Time: Visualization of Temporal Patterns in Media and Art,” gallery@calit2,
 La Jolla, September-December 2010.

Group exhibitions:

MySpectacle, ARTifact gallery, The Sixth College, UCSD, January-March 2011.

32)

Huber, William, Tara Zepel, Lev Manovich. “Seeing *Science.*” Visualization showing every 3rd page from every issue of *Scienc*e from the beginning of publication in 1880 to 1906. Total number of pages shown in the visualization: 9801. 2010.

Group exhibitions:

“Here, Not There.” San Diego Museum of Contemporary Art, June-September 2011.

33)

Lev Manovich. “*Science* journal, 1880-1906.” Animated visualization. 2010.

Solo exhibitions:

“Mapping Time: Visualization of Temporal Patterns in Media and Art,” gallery@calit2,
 La Jolla, September-December 2010.

34)

Huber, William, Tara Zepel, Lev Manovich. “Seeing *Popular Science.*  Visualization showing every 3rd page from every issue of *Popular Science* from the beginning of publication in 1872 to 1922. Total number of pages shown in the visualization: 9900. 2010.

Group exhibitions:

“Here, Not There.” San Diego Museum of Contemporary Art, June-September 2011.

35)

Manovich, Lev. “Popular Science magazine, 1872-1922. Animated visualization. 2010.

Group exhibitions:

“Here, Not There.” San Diego Museum of Contemporary Art, June-September 2011.

36)

Manovich, Lev. “Anna Karenina.” Animated visualization of the complete text of English translation of Lev Tolstoy’s *Anna Karenina*. 2010.

Solo exhibitions:

“Mapping Time: Visualization of Temporal Patterns in Media and Art,” gallery@calit2,
 La Jolla, September-December 2010.

37)

Manovich, Lev and Jeremy Douglass. “Manga Style Space animation.” Animated visualization of 1,074,790 pages from 883 manga titles. 2010.

Solo exhibitions:

“Mapping Time: Visualization of Temporal Patterns in Media and Art,” gallery@calit2,
 La Jolla, September-December 2010.

38 )

Manovich, Lev and Jeremy Douglass. “Manga Style Space.” Visualization of 1,074,790 pages from 883 manga titles. 2010.

Publications:

Lisa Gitelman. Ed. “Raw Data” is an Oxymoron (The MIT Press 2013.)

Group exhibitions:

MySpectacle, ARTifact gallery, The Sixth College, UCSD, January-March 2011.

Data Visualization showcase, Strata NYC 2011 conference, September 2011.

Gwangju Design Biennale, Gwangju, South Korea, September-October 2011.

39)

Manovich, Lev, Jeremy Douglass, William Huber. “Manga Style Space matrix.” Visualization of 192 manga titles (220,950 pages).

Publications:

Lisa Gitelman. Ed. “Raw Data” is an Oxymoron (The MIT Press, 2013.)

Solo exhibitions:

“Mapping Time: Visualization of Temporal Patterns in Media and Art,” gallery@calit2,
 La Jolla, September-December 2010.

40)

Manovich, Lev. “4535 Time covers, 1923-2009.” Digital video which presents three different visualizations of the *Time* covers data set. 2010.

Group exhibitions:

“Data Mining Arists Constructs,” A+D Gallery, Columbia College, Chicago, October –

 November, 2010.

Art Department and invited artists exhibitition, Tulane University, New Orleans, September-

 October 2010.

41)

Manovich, Lev. A set of 12 visualizations of patterns in films by Dziga Vertov. 2010.

Published as a special section on a DVD containing new digital copies of A Sixth Part of the World and The Eleventh Year by Dziga Vertov, with original music by Michael Nyman (Vienna: Austrian Film Museum, 2010). < <http://www.filmmuseum.at/en/shop/a_sixth_part_of_the_world__the_eleventh_year_dvd_1>>.

42) Manovich, Lev and Jay Chow. Manga Universe.

Group exhibition:

“8th Iteration (2012): Science Maps for Kids,” *Places & Spaces: Mapping Science*, curated by Katy Börner and Michael J. Stamper. <<http://scimaps.org/maps/map/manga_universe_144/>>. The exhibition is presented in many physical locations: <http://scimaps.org/exhibitions/>.

43)

Hochman, Nadav, Lev Manovich, Jay Chow. Phototrails. 2013. <<http://phototrails.net>>. Visualizations of 2.3 million Instagram photographs.

Media coverage:

Wired, Spiegel online, The Guardian, SFWeekly, The Atlantic Cities, The Verge, FastCompany Co.Create, The Creators Project, infosthetics.com, flowingdata.com, gizmodo.com, ny.curbed.com, petapixel.com, Animal New York, brainstorm9.com.br, psfk.com, numrush.nl, page-online.de, haaretz.co.il, niemanlab.org, apparatmag.com (Russia), lab-zine.com.

Personal exhibitions:

 Ameile A. Wallace Gallery, SUNY College at Old Westbury, October 2013.

**CREATIVE CONTRIBUTIONS TO PROJECTS BY OTHER ARTISTS**

1)

Computer animation for WAX or the discovery of television among the bees (video 85:00), directed by David Blair, 1991.

2)

Computer animation or Traces of a Presence to Come (video 39:00), directed by Irit Batsry, 1993.

3)

Videography for a CD-ROM Databank of the Everyday by Natalie Bookchin, 1996.

4)

Text and voiceover for Zuse’s Filmstrip, an installation by Caspar Stracke (2002), commissioned by ZKM for the exhibition Future Cinema (2002-2004).

 **WEB SITES AND ONLINE DIGITAL COLLECTIONS**

1)
Manovich, Lev. [www.softwarstudies.com](http://www.softwarstudies.com). 2008 - present.
The site promotes cultural analytics and software studies research (publications, projects, software) and also represents Software Studies Initiative at UCSD.

2)

Manovich, Lev. <http://www.flickr.com/photos/culturevis/>. 2008 - present.
The Flickr gallery showing cultural analytics projects developed by Software Studies Initiative. 880 visualizations total (as of 8/26/2011) including sketches and final works; over %95 of the visualizations created by me. I maintain the gallery and write descriptions of all the visualizations.

3)

Manovich, Lev, Jeremy Douglass, Heleva Bristow. <http://www.youtube.com/user/softwarestudies>. 2008 - present.
YouTube gallery: videos from SoftWhere 2008 workshop at UCSD.

4)

Manovich, Lev, Jeremy Douglass, Heleva Bristow. <http://workshop.softwarestudies.com/>. 2008.
The web site about SoftWhere 2008 workshop at UCSD which features 22 presentations videos.

**INVITED KEYNOTES, LECTURES, PAPER PRESENTATIONS, SEMINARS AND WORKSHOPS**

The Association for Research in Vision and Ophthalmology 1988 Conf., Sarasota, May 1988. Poster.

Semiotic Society of America Annual Conference, Cincinnati, October 1988. Paper.

Semiotic Society of America Annual Conference, Indianapolis, July 1989. Paper.

Society for Animation Studies Annual Conference, Ottawa, October 1990. Paper.

Fast Rewind II (Moving Image Archeology), Rochester, May 1991. Paper.

Society for Animation Studies Annual Conference, Rochester, October 1991. Paper.

College Art Association Annual Convention, Seattle, February 1993. Paper.

College Art Association Annual Convention, Seattle, February 1993. Paper.

Panel Series on the Aesthetics of Art and Technology, San Francisco Art Institute, October 1993. Lecture.

FISEA '93 (Fourth International Symposium on Electronic Art), Minneapolis, November 1993. Paper.

Creat Inc., St. Petersburg, December 1993. Lecture.

FISEA '93 (Fourth International Symposium on Electronic Art), Minneapolis, November 1993. Paper.

Conference "Photography and the Photographic: Theories, Practices, Histories," University of California, Riverside, April 1994. Lecture.

Nordicil '94 Symposium "New Techniques -- New Narratives of Cinema," Helsinki, August 1994. Lecture.

ISEA '94 (Fifth International Symposium on Electronic Art), Helsinki, August 1994. Paper.

Symposium "Digital Nature," Dutch Electronic Arts Festival, Rotterdam, November 1994. Lecture.

Symposium "NewMediaLogia," Moscow, November 1994. Lecture.

Mediawork Colloquium, Pasadena Arts Center, Pasadena, March 1995. Lecture.

UCLA, Department of Film & TV, Los Angeles, March 1995. Lecture.

Pasadena Arts Center, Pasadena, March 1995. Lecture.

Symposium "Multimediale 4," Karlsruhe, Germany, May 1995. Lecture.

Conference "Digital Dialectics," Los Angeles, August 1995. Lecture.

"Archeology of Media" panel, SIGGRAPH '95, Los Angeles, August 1995. Panel.

ISEA '95, Montreal, September 1995. Opening panel participant.

St. Petersburg State Academy of Art and Design, October 1995. Lecture.

"Gallery 21," St. Petersburg, October 1995. Lecture.

Symposium "Third Reality," St. Petersburg, October 1995. Lecture.

University of Southern California, School of Film and Television, April 1996. Class lecture.

Medialabor Munich, Munich, May 1996. Series of 3 lectures.

Department of Medical Cybermetics and Artificial Intelligence, University of Vienna, May 1996. Lecture.

Mediawork Colloquium, Art College of Design, Pasadena, March 1997. Lecture.

WRO 97 Media Art Biennale, Poland, April 1997. Lecture.

Symposium LEAF97, Liverpool. April 1997. Lecture.

Panel with Michel Serres on computer art, UCSD, May 1997. Panel participant.

"Chips and Bits" Symposium, UCLA, May 1997. Paper.

"Clicking In: Hot Links to a Digital Culture," MOCA, Los Angeles, June 1997. Panel participant.

"On-line Journalism," SIGGRAPH '97, Los Angeles, August 1997. Panel participant.

"The Future of the Future," Hummer Museum, Los Angeles, August 1997. Panel participant.

ISEA 97, Chicago, September 1997. Two papers.

Hungarian Academy of Fine Arts, Intermedia Department, Budapest, October 1997. Lecture.

Center for Culture & Communication / Soros Foundation, Budapest, October 1997. Two lectures.

"Screens" Symposium, Tronheim, Norway, October 1997. Lecture.

Ostranenie '97, the International Electronic Media Forum, Bauhaus, Dessau, Germany, November 1977. Opening address and a lecture.

Prague Media Symposium: Flusser / Media / Film, Goethe Institute, Prague, November 1997.

Art and Technology Lecture Series, University of California, Berkeley, December 1997. Lecture.

Digital Asset Managment Conference, Los Angeles, March 1998. Panel moderator.

Imagina '98, Monte-Carlco, Monaco, March 1998. Lecture.

Society for Cinema Studies Annual Conference, San Diego, April 1998. Paper.

Georgia Institure of Technology, Atlanta, May 1998. Lecture.

“Computing Culture: Defining New Media Genres” symposium, UCSD, May 1998. Organiser and presenter.

Art College of Design, Pasadena, May 1998. Class presentation.

School of Visual Arts, New York, MFA Program in Computer Art, September 1998. Class presentation.

Banff Center for the Arts, workshop on computer games, Banff, Canada. Two Papers.

SEEfair '98 International Festival of Electronic Arts, Skopje, Macedonia, October 1998. Lecture.

Authorship conference, Interdisciplinary Humanities Center, University of California, Santa Barbara, November 1998. Panel partcipant.

French-Baltic-Nordic Video and New Media Festival, Talinn, November 1998. Lecture via video.

University of Amsterdam, Department of Film and Television, Amsterdam, December 1998. Two graduate seminars.

The Society for Old and New Media (waag), Amsterdam, December 1998. Lecture.

International Conference on the Technologies of Moving Images, Stockholm, December 1998. Keynote lecture.

Rotterdam International Film Festival, a panel on "graphic cinema," Rotterdam, February 1999. Panel presentation.

College Art Association Annual Conference, Los Angeles, February 1999. Paper.

Interaction '99, International Symposium on Interactive Art, International Academy of Media Ars and Sciences, Ogaki City, Gifu, Japan, March 1999. Lecture.

Inter Medium Institute (IMI), Osaka, Japan, March 1999. Lecture.

Stanford University, May 1999. Lecture.

UCLA, Department of Design, May 1999. Class presentation.

"Microcosms: Objects of Knowledge" workshop, The Humanities Research Institute, UC Irvine, May 1999. Panel.

"Interactive Frictions," International Conference, University of Southern California, June 1999. Featured speaker (paper and panel).

International Symposium "FMX'99: Digital Film, Visual Effects, Postproduction and New Media," Stuttgart, Germany, June 1999. Lecture.

Merz Akademie, Stuttgart, June 1999. Lecture.

Örebro University, Örebro, Sweden, September 1999. Lecture.

Dialog with with Harun Farocki, Cinematheque, Stockholm, September 1999. Panel participant.

Royal Institute of Technology, Stockholm, September 1999. Lecture.

Digital TV Applications Forum (DAD), Stockholm, September 1999. Lecture.

Presentation of Stockolm new media artists, Royal Institute of Technology, Stockholm, September 1999. Panel partcipant.

Finish Cinema Studies Seminar, Helsinki, September 1999. Keynote speaker.

“History and Space” Symposium, University of Turku, Finland, October 1999. Keynote speaker.

University of Art and Design, Helsinki, October 1999. Lecture and seminar.

Virginia Film Festival, University of Virginia. October 1999. Lecture via video.

“Digital Arts and Culture,” international conference, Georgia Institute of Technology, Atlanta, October 1999. Lecture (via video).

RTFF (Real-Time Film Festival) workshop, Rome, October 1999. Workshop.

Bauhaus College, Dessau, Germany, October 1999. Workshop presentation.

“Otstranenie” festival book presentation, Dessau, Germany, October 1999. Lecture.

Utrect University, Netherlands, November 1999. Lecture.

Cybermedia Arts Festival, Lisbon, November 1999. Lecture.

Cinema and Arhitecture Biannual, Graz, Austria, November 1999. Project presentation.

Korean Association for Visual Culture Annual Conference, Seoul, Korea, December 1999. Keynote speaker.

Korean Semiotics Association Annual Conference, Seoul, Korea, December 1999. Keynote speaker.

Workshop on Digital Culture, Ewha University, Seoul, Korea, December 1999. Workshop.

Korean Game Developers Association, Seoul, Korea, December 1999. Workshop.

CADRE Institute, San Jose State University, San Jose, February 2000. Class presentation and lecture.

“Critical Issues in Net Art” Symposium, University of California, Berkeley, February 2000. Panel.

College Art Association Annual Conference, New York, February 2000. Paper.

“Alien Intelligence” Symposium, KIASMA, Helsinki, March 2000. Lecture via video.

“Inhabiting Technology” International Conference, ICA, London, March 2000. Paper.

SCI-Arc, Los Angeles, March 2000. Lecture.

Cyberforum, organised by Art Center College of Design, Pasadena, dialog in a 3D virtual environment, March 2000.

University of Copenhagen, Copenhagen, March 2000. Lecture.

International Workshop “Body, Image, Technology,” University of Kopenhagen, Kopenhagen, March 2000. Keynote speaker.

“Signs of Change: Media Arts in Transition, Again,” International Conference, Walker Art Center, Minneapolis, April 2000. Paper.

“Listen Up!: Lev Manovich,” a series of lectures by major international theorists in new media, The Lux Centre, London, May 2000. Lecture.

Critical Images II: Devolution!, an international conference on digital moving image, The Lux Centre, London, May 2000. Lecture.

“Playstation meets Organism: Emulation in a Cultural Context,” international symposium, Medimatic and Amsterdam-Maastricht University, Amsterdam, September 2000. Lecture.

Media Lab, University of Art and Design, Helsinki, September 1999. Lecture and seminar.

Center for Contemporary Art “Pro Arte,” St. Petersburg, September 2000. Lecture.

Center for Media Art TV Gallery, Moscow, September 2000. Lecture.

“The Digital Object” Colloquim, The Museum of the Moving Image, NYC, October 2000.

Net.congestion, First International Festival on Streaming Media, Amsterdam, October 7, 2000. Lecture (via video).

California Institure of the Arts, Photography Department, Los Angeles, October 18, 2000. Lecture.

“Archeology of Multimedia,” International Conference, Brown University, November 2000. Lecture.

Digital Cinema Conference, The Comparative Media Program, MIT, November 2000. Panel.

Moving Images: Technologies, Transitions, Historiographies, International Conference, Stockholm, December 2000. Keynote speaker.

ISEA (International Symposium on Electronic Arts), Paris, December 2000. Panel.

Numer 00, International Conference on Interactive Design, Paris, December 2000. Panel moderator.

"Art and Technology: Current Research," International Symposium, Sorbonne, Paris, December 2000. Lecture.

“Fiction Reconstructed,” International Symposium, Lubliana, January 2001. Lecture.

Art College of Design, Pasadena, February 2001. Class presentation.

Convergent Media Lecture Series, The University of Texas at Austin, Austin, February 2001. Lecture.

“Moving Image as Art: Time-based Media in the Art Gallery,” International Symposium, Tate Britain and Tate Modern, London, June 2001. Lecture.

“Lev Manovich Presents,” The Lux Centre, London, June 2001. Lecture.

Information Technology and Society Workshop, The Institute for Advanced Study, Princeton, June. Panel.

“Archive Cultures: Database Design for Online Collaboration,” Digital Cultures Project Institute, University of California, Santa Barbara, June 2001. Lecture.

“ArtCade: How Video Games are Transforming Art,” symposium, San Francisco Museum of Modern Art, June 2001. Panel.

The Arts and Streaming Media Summit and Workshops, The American Film Institute, Los Angeles, August 2001. Dialog between Peter Lunenfeld and Lev Manovich.

"Human Generosity Project: Tools that Enable Collaboration” Summit, Banff, Canada, August 2001. Lecture and panel co-moderation.

Historical and Conceptual Foundations of Cognitive Science course, UCSD, October 2001. Seminar.

Higher Institute of Fine Arts, Antwerp, new academic year symposium, Oct. 8, 2001. Keynote lecture.

Utrecht University, Faculty of Arts, New Media and Digital Culture, Utrecht, Oct. 9, 2001. Lecture and seminar.

V2, Rotterdam, Oct. 11, 2001. Lecture and a dialog with Aaron Betsky.

School of Art | ZKM, Karlsruhe (Germany), Oct. 13, 2001. Workshop for Ph.D. students in a research program “image antropology.”

ZKM | Center for Art and Media, Karlsruhe (Germany), Oct. 15, 2001. Lecture.

Transmediale Salon, Berlin, Oct. 16, 2001. Lecture.

“InterfaceExporer” symposium, Public Netbase, Vienna, Oct. 18., 2001. Panel and Keynote lecture.

Make World Festival, Munich, Oct. 21:, 2001. Keynote lecture.

“Morphologies” symposium,University of New South Wales, Sydney, November 2001. Keynote lecture.

“Dislocations” conference, Cinemedia Center, Melbourne, November 2001. Keynote lecture.

Digital Dialogs, Art Center Collge of Design, Graduate Program in New Media Design,

Pasadena, CA, January 14, 2002. Class presentation.

Digital Culture: Epistemology and Theory, UC Irvine, January 18-19, 2002. Lecture.

Digital Cultures Conference, UCLA, February 1-2, 2002. Keynote Lecture.

Imagina 2002 International Conference, February 12-14, Monte-Carlo, France. Panel.

ARCO 2002 Art Fair, Madrid, February 15-16. Lecture.

Chicago Art Institute, March 6. Lecture.

“Interfacing Knowledge: New Paradigms in Computing for the Humanities,” Arts

and Social Science Conference, UC Santa Barbara, March 8-10. Lecture.

“Transforming Spaces: The Topological Turn in Technology Studies,”

Darmstadt, March 22-24. Keynote Lecture.

2002 State of the Arts Electronic Literature Symposium, UCLA, April 4-6, 2002. Panel.

Digital Technology & Media Convergence Lecture Series, Pratt Institute, Brooklyn, April 9, 2002. Lecture.

“Blur 02: Power and Play in Digital Art and Culture Conference,” Creative Time and Parsons, NYC, April 11-13, 2002. Opening Panel.

University of Idaho, Moscow, Idaho, April 14-18, 2002. Lecture and 2 class presentations.

Society for Cinema Studies 2002 Conference, Denver, May 23-25, 2002. Plenary session speaker.

School of Arts and Communication, Malmo University, Malmo, Sweden, June 3, 2002. Seminar.

SHIFT lecture series, School of Arts and Communication, Malmo University, Malmo, Sweden, June 3, 2002. Lecture.

Vevey School of Photography, Vevey, Switzerland, June 2002. 5 day workshop “Post-photographic Representation.”

“Art.ficial Emotion,” international symposium on new media art, Itau Cultural, Sao Paolo, August 11, 2002. Keynote Lecture.

FILE 2002 (International festival of electronic art), Sao Paolo, Brazil, August 13, 2002, Lecture.

International Symposium "Interactive Media," Salavador, Brazil, August 15-18 2002. Panel and lecture.

UFF (Brazilian State University), Rio de Janeiro, August 20 2002. Lecture.

VII Muestra Euroamericana de Cine, Video y Arte Digital, Buenos Airos, August 22-23, 2002. Seminar (two days).

VII Muestra Euroamericana de Cine, Video y Arte Digital, Buenos Airos, August 23, 2002. Presentation of “A Man with a Movie Camera.”

University of Amsterdam, Dept of Art and Culture, Film and TV Studies, Amsterdam, September 6, 2002. PhD seminar.

Stradina University, Riga, Latvia, September 19, 2002. Lecture.

RIXC, Riga, Latvia, September 19, 2002. Seminar.

Latvian Cultural Academy, Riga, Latvia, 2002. Lecture.

bootlab, Berlin, September 24, 2002. Lecture.

ITU (The National Network for IT in Education) Annual Meeting, Oslo, October 19, 2002. Keynote lecture and seminar.

University of Bergen, Bergen, Norway, October 21, 2002. Lecture.

“Architecture and Media,” conference in conjunction with the second international Bauhaus Foundation Competiton, Bauhaus Dessau Foundation, Dessau, Germany, October 25. Lecture.

ISNM International School of New Media, Lübeck, Germany, October 28, 2002. Lecture.

Friedrich Kittler’s PhD seminar on media theory, Humbold University, Berlin, October 29, 2002. Lecture.

Seminar on IT in education, Columbia University, New York City, October 11, 2002. Lecture.

School of the Arts, Columbia University, New York City, October 11, 2002. Lecture.

“(Re)structured Screen” symposium, Eyebeam, New York City, October 11, 2002. Lecture.

“REMOTE” symposium, The Fruitmarket Gallery / New Media Scotland, Edinburg, October 18, 2002. Keynote lecture.

Institute of Contemporary Art (ICA), London, October 19. 2002. Lecture.

University of Westminster, London, October 20, 2002. Seminar.

Budapesht University, Film Studies Department, Budapesht, Hungary, October 22, 2002. Lecture.

V2, Rotterdam / C3, Budapest, Budpest, Hungary, November 2005. 5 day master Class, “Metadating the Image.”

Symposium “Language and Encoding,” University of Buffalo, Buffalo, November 9, 2002. Lecture.

“Media in Peformance” conference, Free University, Berlin, November 29, 2002. Lecture.

bootlab, Berlin, December 1, 2002. Lecture.

Interactive Division, University of Southern California, Los Angeles, January 15, 2003. Class presentation.

“New Cities/New Media” conference, University of Southern California, Los Angeles, January 16, 2003. Keynote lecture.

University of Washington, St. Lois, January 24-25, 2003. Lecture and studio visits.

“Infrastructures” symposium, CRCA, University of California, San Diego, February 3, 2002. Panel presentation.

New Technologies and New Art Forms session, ARCO ’03, Madrid, February 13, 2003. Keynote lecture.

The Art of the Future session, ARCO ’03, Madrid, February 16. Lecture.

“Attention and the Arts” symposum, Pomona College, California, February 22, 2003. Keynote lecture.

DEAF (festival of electronic arts) 2003, Rotterdam, February 28, 2003. "Metadata, Mon Amour," organizer and presenter.

MIT Media Lab, Cambridge, Mass., March 2003. Colloquim.

School of the Museum of Fine Arts, Boston, March 6, 2003. Lecture.

"Mediators: Medium and Its Messages" conference, Boston University, Boston, March 8, 2003. Lecture.

ECIAD, Vancover, March 28, 2003. Class presentation.

University of British Columbia, Vancover, March 28-29, 2003. Seminar and lecture.

AIM (Art in Motion) international festival, Los Angeles, March 30, 2003. Juror Lecture.

Software Aesthetics symposium, Sydney College of the Arts, Sydney, April 3, 2004. Lecture.

Sydney College of the Arts, Sydney, April 8-9, 2003. Two lectures.

Sydney College of the Arts, Sydney, April 10, 2003. Panel on digital media in education.

University of Sydney, Sydney, April 15, 2003. Research in Humanities and Social Sciences guest talk (lecture).

Digital Art and Culture Symposium, MoMA (Museum of Modern Art), New York, April 22, 2003. Panel on Theory and Aesthetics of New Media.

MoMA (Museum of Modern Art), New York, April 23, 2003. An Evening with New Media Curators (panel presentation.)

European Media Art Festival, Osnabrueck, Germany, April 26, 2003. Lecture.

Symposium on Digital Aesthetics, Nordstrum, Denmark, April 30, 2003. Keynote lecture.

National Film Institute, Copenhagen, Denmark, May 3, 2003. Lecture.

Center for Digital Aesthetic Research, University of Aarhus, Aarhus, Denmark, May 5, 2003. Colloqium.

University of Aarhus, Aarhus, Denmark, May 6, 2003. Lecture.

The Centre for Internet Research, University of Aarhus, Aarhus, Denmark, May 6, 2003. Workshop.

“user\_mode” international conference, Tate Modern, May 10, 2003. Keynote lecture.

“Media Architecture” conference, Riga, Latvia, May 15, 2003. Lecture.

Royal College of Art, London, May 2003. Class presentation.

Central St. Martin School of Art, London, May 22, 2003. Lecture.

Read\_Me 2.3 festival of software art, Helsinki, May 31, 2003. Lecture.

SCI-ARC, Los Angeles, July 1, 2003. Class presentation.

COSIGN 2003 international conference, Middlesbrough, UK, September 12, 2003. Keynote lecture.

Seminar on Data-based Art, Baltic Centre for Contemporary Art, Newcastle, UK, September 18, 2003. Lecture.

Baltic Centre for Contemporary Art, Newcastle, UK, September 17, 2003. Lecture.

Split Film Festival, Split, Croatia, September 22-28, 2003. Lecture.

Art Futura 2003, Barcelona, October 9-12, 2003. Panel presentation.

Global Mobility: Media and Minority Culture" Symposium, Stanford University, November 24-25, 2003. Lecture.

ACM Multimedia 2003 international conference, Berkeley, November 5, 2003. Keynote lecture.

The Fresnoy (National School for media arts), France, November 2003. Lecture.

“Now What? Dreaming a better world in six parts,” BAK, Utrecht, November 2003. Panel presentation.

NAI (National Arhitecture Institute), Rotterdam, November 2003. Lecture (in conjunction with Asymptote retrospective).

University of Tokyo, Tokyo, December 2003. Class presentation.

The ICC, Tokyo, December 2003. Lecture and panel presentation.

Digital Dialogs, Graduate Program in Media Design, Art Center College of Design, Pasadena, California, March 15, 2004. Class presentation.

Seminar, Graduate Program in Media Design, Art Center College of Design, Pasadena, California, March 15, 2004. Class presentation.

SCI-ARC (Southern California School of Architecture), Los Angeles, May 2004. 4 day
workshop “Hyper-Screen Architecture | Between Narrative and Search Engine.”

Liquid Space 2, exhibition and lectures organised by by LAb[au], Brussels, July 2004. Lecture.

ARUP, London, July 12, 2004. Lecture.

Architectural Association, London, July 12, 2004. Seminar.

University of Cologne, July 15, 2004. Workshop.

University of Aachen, Aachen, Germany, July 22, 2004. Workshop and lecture.

“Digital Avant-garde” symposium, Ars Electronica 2004 Festival. September 2, 2004. Lecture.

Electrolobby talks, Ars Electronica 2004 Festival. Septmber 6, 2004. Public conversation.

Digital Retroaction Symposium, UCSB, Santa Barbara, September, 2004. Paper.

SENEF 2004 I(nternational Festival of Digital Cinema), Seoul, Korea. September, 2004. Lecture.

The Art School, Hong Kong Arts Centre, Hong Kong. September, 2004. Three lectures.

The Art School, Hong Kong Arts Centre, Hong Kong. September 21, 2004. Panel.

Bejing Normal University, Zhuhai Campus, Zhuhai, China. September 27, 2004. Lecture.

South China Normal University, Guangzhou, China. September 29, 2004. Lecture.

Design | Media Art Department Lecture Series, UCLA, Los Angeles. October 11. Lecture.

“Topos Space: The Topicality of Space in Contemporary Art” conference, House of Cultures, Berlin. November 20, 2004. Lecture.

Chelsea Art Museum, New York, January 2005. Lecture and panel.

University of Arizona, Phoenix, February 2005. Lecture.

McGuill University, Montreal, February 2005. Lecture.

Contemporary Art Museum, Montreal, February 2005. Lecture.

SCI-ARC, Los Angeles, March 2005. Class presentation.

“Digital Image” conference, UCSB, March 4-5, 2005. Lecture.

University of Texas, Dallas, April 2005. Public lecture.

University of Texas, Dallas, April 2005. Class presentation.

University of Texas, Dallas, April 2005. Faculty seminar.

Sintesi festival, Naples, Italy, April 2005. Lecture.

Universita Federico II, Naples, Italy, April 2005. Lecture.

Universita Federico II, Capri, Italy, April 2005. Seminar with Italian researchers organised by The Faculty of Sociology at the Universita Federico II.

X-film festival, Sofia City gallery, Sofia, Bulgaria, April 2005. Lecture.

Film Academy, Sofia, April 2005. Lecture.

“The Re-turn of Beauty” conference, The House of World Cultures, Berlin, May 2005. Lecture.

University of Turin, Turin, May, 2005. Lecture.

IULM University, Milan, May, 2005. Lecture.

Universitario di Architettura di Venezia, Venice, May 2005. Lecture.

Mediateca Santa Teresa, Milan, May 2005. Lecture.

The 2nd Beijing International New Media Arts Exhibition and Symposium, Millennium Art Museum, Beijing, China, June 2005. Lecture.

Künstlerhaus, Vienna, September, 2005. Panel.

Science Museum, London, September, 2005. Panel.

Urban Screens” conference, Stedelijk Museum CS, Amsterdam, September 2005. Keynote lecture.

“Conversations with Katherine Hayles, Lev Manovich, Bernhard Siegert,” Art History Department, Yale University, New Haven, October 1, 2005. Seminar and Panel.

Columbia University Institute for Scholars, Paris, France, October 6, 2005. Lecture.

De Appel curatorial program, Rotterdam, October 14, 2005. Class presentation.

University of Groningen, Groningen , October 19, 2005. Lecture.

Media Space festival, Stuttgart, October 20, 2005. Keynote lecture.

Interactivity 2005 festival, Hague, October 23, 2005. Lecture.

Stifo@Sandberg conference, Amsterdam, October 28, 2005. Lecture.

V2 , Rotterdam, November 3, 2005. Lecture.

The Piet Zwart Institute, The Willem de Kooning Academy, Rotterdam, November 15, 2005. Lecture.

“The Avant-Garde and Technology” conference, Stockholm, November 25, 2005. Keynote lecture.

Film and Media Studies Department, PhD seminar, University of Amsterdam, November 29, 2005. Lecture.

University of Copengahen, Copengahen, November 30, 2005. Seminar and lecture.

Workshop on transmediality, The Utrecht Graduate School of Visual Art and Design, December 2, 2005. Lecture and panel.

“Switch Over: Digital Screens” conference, Rome, December 6, 2005. Lecture.

Impact Festival 2005, Utrecht, December 9, 2005. Panel.

Art Academy, Prague, December 15, 2005. Lecture.

The HGKZ (University of Applied Sciences and Arts, School of Art and Design Zurich), Zurich, December 19, 2005.Lecture.

Volthalle, Basel, December 21, 2005. Lecture and Soft Cinema performance.

“The Architecture of Display” panel. Santa Monica Museum of Art, Santa Monica. February 15, 2006. Panel.

“New Media, Technology, and the Humanities” conference, University of California – Irvine, Irvine, California. February 17, 2006. Lecture.

“Software Studies” symposium, The Piet Zwart Institute. Rotterdam. February 25-26, 2006. Lecture.

“After the Digital Divide? German Aesthetic Theory in the Age of New Media” conference, Washington University, St. Louis. April 1, 2006. Lecture.

Pratt Institute Manhattan Gallery, New York, April 7, 2006. Lecture.

University of Illinois at Urbana-Champaign, Urbana-Champaign. April 20, 2006. Lecture and seminar.

"Critical Themes in Media Studies" conference, New School for Social Research, New York, April 22, 2006. Keynote address.

Espacio Fundación Telefónica, Buenos Aires. May 2-3, 2006. 2 day workshop.

Espacio Fundación Telefónica, Buenos Aires. May 4, 2006. Presentation of Spanish translation of The Language of New Media.

Centro Cultural de Belém, Lisbon, May 25, 2006. Lecture.

Centro Cultural de Belém, Lisbon. May 26-27, 2006. 2 day seminar.

Lusófona University, Lisbon. May 29, 2006. Lecture.

“Hyper-design” symposium, 2006 Shanghai Biennale, Shanghai, China, September 6, 2006. Lecture.

Symposium at The 4th Seoul International Media Art Biennale (Media\_City Seoul 2006), Seoul. October 18, 2006. Lecture.

Department of Film, Television & Digital Media, UCLA, January 24-25, 2007. Lecture and PhD Seminar.

“The E-image Era,” inaugural conference for the opening of LABoral, a new exhibition center devoted to the intersection between art, science, technology, and creative industries, Gijon, Spain, March 30, 2007. Lecture.

School of Photography, Göteborg University, Sweden. April 3, 2007 MA seminar.

School of Photography, Göteborg University, April 4, 2007 PhD seminar.

School of Photography, Göteborg University, Sweden, April 5, 2007 Lecture.

Nasher Museum of Art, Durham, North Carolina, USA, April 18, 2007 Lecture.

“Theorising Interface,” a panel at the 1st HASTAC Conference, Duke University, April 20, 2007. Discussion Leader.

“At the Interface of Everything, a panel at the 1st HASTAC Conference, Duke University, April 21, 2007. Panel Participant.

“Locative Media” conference, Siegen, Germany, September 3-5, 2007. Keynote lecture.

“Softspace” symposium, Tate modern, London, September 8, 2007. Lecture.

Symposium on net art with Ted Nelson, Arts Electronica 2007, Linz, Austria, September 10, 2007. Lecture.

Norway Art Academy, Oslo. September 12-14, 2007. 3-day workshop.

Urban Interface conference, Oslo, September 15, 2007. Keynote lecture.

Symposium on new media and cultural heritage, iCinema Centre, College of Fine Arts, University of New South Wales, Sydney, September 21, 2007. Lecture.

X|Media|Lab conference, School of Art, Design, and Media (ADM), Nanyang Technology University (NTU), Singapore, September 28, 2007. Lecture.

X|Media|Lab master class, School of Art, Design, and Media (ADM), Nanyang Technology University (NTU). September 29-30, 2007. Master class mentor.

Interactive Digital Media Institute (IDM), National University of Singapore (NUS), Singapore. October 1, 2007. Lecture.

'Video Vortex: Responses to YouTube' conference, ARGOS, Brussels, October 5, , 2007 Opening lecture.

Department of Informatics / New Media, Tallinn University, Tallinn, Estonia, October 8, 2007. Lecture.

Center for Cultural Studies, Goldsmith College, London, October 15-16, 2007. Lecture, MA/PhD seminar, tutorials with PhD students.

Royal College of Arts (RCA), London, October 16, 2007. Lecture.

Camberwell College of Art, London, October 17, 2007. MA/PhD seminar.

“Reduce to the Max” conference, University of Siegen, Siegen, Germany, October 18, 2007. Keynote lecture.

Media Studies, University of Siegen, Siegen, Germany, October 22-24, 2007. 3 day seminar for MA students.

“Animating Cinema” symposium organised by San Diego Museum of Art San Diego, California Institure for Information and Telecommunication (Calit2), November 3, 2007. Lecture.

Roayl Danish Academy of Fine Arts, Copehagen, November 5, 2007. Lecture.

“Aesthetics of Pervasiveness” symposium organised by Copenhagen University and the international network "Media-Art and Digital Culture in the Age of Pervasive Computing,” Danish Architecture Center, Copenhagen, November 7, 2007. Keynote lecture.

“Remixing Cinema: Future And Past Of Moving Images”, organised by the Department for Image Science, Donau-Universitaet Krems, MUMOK, MuseumsQuartier, Vienna, November 8, 2007. Lecture and debate.

The Department for Image Science, Donau-Universitaet Krems, Krems, Austria, November 9-10, 2007. 2 day seminar.

MACBA (Museu d'Art Contemporani de Barcelona), Barcelona, November 12, 2007. Lecture.

School of Photography, Göteborg University, Göteborg, Sweden, November 14-16, 2007. 3 lectures.

School of Photography, Göteborg University, November 14 and November 16, 2007. 2 seminars with the students in “Info-aesthetics” class.

Digital Media seminar series, iCinema Centre, College of Fine Arts, University of New South Wales, Sydney, November 21, 2007. Lecture.

 “Screenscapes: Past Present Future conference”, University of Sydney, Sydney. November 29, 2007. Keynote lecture.

Computer Art Congress 2, University Tecnológico de Monterrey, Mexico City, March 26, 2008. Keynote lecture.

Computer Art Congress 2, University Tecnológico de Monterrey, Mexico City, March 27, 2008. Panel participant.

ICTs in the Contemporary World seminar,  London Schol of Economics, April 22, 2008. Lecture.

Royal College of Art (RCA), London, April 22, 2008. Lecture.

Goldsmiths College, Center for Cultural Studies, London, April 23, 2008. Seminar.

Goldsmiths College, Media Research Programme, London, April 24, 2008. Lecture.

London Schol of Economics, Social Study of ICT Workshop (SSIT8), April 25, 2008. Lecture.

Department of Design | Media Arts, UCLA, May 1, 2008. Lecture.

“Software Studies” international workshop, University of California, San Diego, May 21, 2008. Presentation.

“Software Studies” panel, HASTAC II conference, University of California–Irvine, May 23, 2008. Lecture (with Jeremy Douglass) using Hiperwall.

“Software Studies” panel, HASTAC II conference, University of California – Irvine, May 23, 2008. Panel organizer, moderator, and speaker.

Software Cultures” lecture seriies, University of California–Irvine, June 4, 2008. Lecture.

Launch of e-learning project” Internet v Internat,” St. Petersburg, Russia, June 7, 2008. Presentation.

Museum of Fine Arts, Valencia, Spain, June 25, 2008. Lecture.

“Live Cinema” workshop, Bilbao, Spain, June 26, 2008. Lecture + seminar.

The Fourth International Conference on Multimodality (4-ICOM), Singapore, July 30, 2008. Keynote lecture.

ISEA (the International Symposium on Electronic Arts), 2008, Singapore, August 1, 2008. Lecture.

 FILE (Electroic Language International Festival), Sao Paolo, Brazil, August 7, 2008. Lecture via Skype from San Diego.

Ciantec (Annual conference on art and technology),Sao Paolo, Brazil, September 16, 2008. Lecture via Skype from San Diego.

“The New Work of Composing” conference, University of Louisville, Louisville, October 16-18, 2008. Keynote lecture.

The Institute of Creative Technologies, De Montfort University, UK, November 20, 2008. Lecture.

“Force of Metadata” international conference, Goldsminths Collge, University of London, November 29, 2008. Lecture.

Mellon Seminar in Digital Humanities, University of California, Los Angeles, December 2, 2008. Lecture.

“Database Aesthetics: Artists sorting through Bits & Flesh,” a panel at College Art Association (CAA) annual convention, Los Angeles, January 25, 2009. Panel respondent.

 “Proof,” a panel at College Art Association annual convention, Los Angeles, January 27, 2009. Panel presentation.

HASTAC 2009 conference, University of California, Irvine,. April 19-21, 2009. Panel and demo.

Fotographica Bogota international conference, Bogota, Columbia, May 3-8, 2009. Lecture.

Management in the Digital Domain, Stockholm, Sweden, May 13-15, 2009. Keynote lecture.

Archive 2020, Amsterdam, May 17-18, 2009. 2 lectures.

Architecture of Knowledge, Netherlands architecture Institute, Rotterdam, the Netherlands, May 20, 2009. Lecture.

Video Vortex 4, Split. May 21-23, 2009. Keynote lecture.

European Graduate School, Saas-Fee, Switzerland, June 10. Lecture.

Digital Humanities 2009 Annual Conference, University of Maryland, June 21-25. Keynote lecture.

Sao Paolo hiperwall, Sao Paolo, July 30, 2009. Workshop.

Nowcasting Symposium, University of California, Los Angeles, October 16, 2009. Lecture.

International Festival for Arts and Media, Yokohama, Japan, November, 2009. Lecture.

Center of Image Science, Donau-Universitaet Krems, Austria, November 10-11, 2009. Two-day class.

The Society of the Query, Amsterdam, November, 13-14, 2009. Lecture.

Digital Arts and Culture Annual Conference, University of California, Irvine, December 12-15, 2009. E-literature evening presentation.

Cultural Analytics seminar @Calit2: Software Studies, Calit2 +UCSD and University of Bergen, December, San Diego, December, 16-17, 2009. Seminar.

Digital Formalism Conference, Vienna, Austria, January, 13-16, 2010. Lecture.

TEDx Istanbul, Istanbul, January 18, 2010. Lecture.

Future of Digital Studies conference, University of Florida, February 27, 2010. Skype lecture.

Digital Media and Learning Conference 2010, San Diego, February 18-20, 2010. Panel participant.

Centre for Media and Culture Research, South Bank University, London, March, 8, 2010. Lecture.

“The Computational Turn”, Swansea University, UK, March, 9, 2010. Keynote lecture.

Arts and Social Sciences, National University of Singapore, March, 25, 2010. Lecture.

Lecture series "Meet The Media Guru", Milan, Italy, April, 16, 2010. Lecture.

Catholic University, Milan, Italy, April, 19, 2010. Seminar.

Game Studies Program at Potsdam University, Potsdam, Gremany, April 22, 2010. Lecture.

“The Borders of Film” Conference, Berlin, April 24, 2010. Lecture.

HESP Challenge Seminar "Visual Studies of Immedia", Vilnus, Lithuania, April 26-27, 2010. Seminar.

Contemporary Art Center, Vilnus, Lithuania, April 28, 2010. Lecture.

SOS 4.8 Festival, Murcia, Spain, April 29, 2010. Lecture.

Metabolic Studio, Los Angeles, May 14, 2010. Lecture.

Humanities+digital Visual Interpretations Conference 2010, MIT, May 20-22. Keynote lecture.

European Graduate School, Saas-Fee, Switzerland. June 10, 2010. Lecture.

Graphic Design Museum, Breda, the Netherlands, June 13, 2010. Lecture.

Department of New Media, Utrrecht University, June 14, 2010. Lecture.

“Virtual Amsterdam, “The Royal Netherlands Academy of Arts and Science, Amsterdam, June 15, 2010. Lecture.

The Department of Arts and Sound of the Catholic University Porto, Portugal, June 17, 2010. Lecture.

Faculty of Engineering of the University of Porto, Porto, Portugal, June 17, 2010. Lecture.

University of Coimbra, Coimbra, Portugal, June 18, 2010. Lecture.

NEH Summer Seminar on Network Analysis for Humanities, UCLA, August 26, 2010. Lecture.

INDAF festival, Seoul, Korea, September 2, 2010. Keynote lecture.

Nabi Art Center, Seoul, Korea, September 10, 2010. Lecture.

Hongik University, Seoul, Korea, September 17, 2010. Lecture.

IUAV University, Venice, Italy, October 5, 2010. Lecture.

Italian Semiotics Society 2011 conference, Rome, Italy, October 9, 2010. Keynote lecture.

Ukranian Academy of Sciences, lectures organized by Cultural Project, October 13-14, , 2010. Kiev. Two lectures.

Center for Contemporary Art, Kiev, October 15, 2010. Panel.

Columbia College Artist’s Lecture series, October 20, Chicago. Lecture.

Opening panel for Mapping Time exhibiton, Calit2, La Jolla, October 22, 2010. Panel.

Grand Challenges in Data-Intensive Discovery conference, San Diego Supercomputer Center, October 26-28, 2010. Lecture.

Lecture for Mapping Time exhibiton, Calit2, La Jolla, December 3, 2010. Lecture.

Calit2 10-year anniversary, Calit2, La Jolla, December 10, 2010. Short lecture.

Hongik University, Seoul, Korea, March 18, 2011. Lecture.

Emory University, Atlanta, March 28, 2011. Lecture.

Georgia Institute of Tecnnology, Atlanta, March 29, 2011. Lecture.

European Graduate School, Saas-Fee, Switzerland, June 2011. Lecture.

Wolfram Data Summit 2011, Washinton, September 9-11, 2011. Lecture.

“Mobility Shifts: an International Future of Learning Summit, The New School, New York, October 10-16, 2011. Lecture.

University of Virginia, October 18, 2011. Lecture.

“Networks and Network Analysis for the Humanities” conference, UCLA, October 20-22**,** 2011. Lecture.

“Invisibility and Unawareness: Ethico-Political Implications of Embeddedness and the Culture of Surveillance,” University of Copenhagen, November 8-11, 2011. Lecture.

Creativity & Collaboration in the Academy initiative, University of Southern California, February 13, 2012. Lecture.

“Visualization as a Method in Art History panel,” College Art Association 2012 conference, February 24, 2012. Panel introduction.

"Data Mining and Visualization for the Humanities" symposium, NYU, New York, March 19, 2012. Lecture.

York University, Toronto, March 22, 2012. Workshop.

OCAD University, Toronto, March 23, 2012. Workshop.

OCAD University President's Speaker Series, Toronto, March 23, 2012. Lecture.

Museums and the Web 2012 conference, San Diego, April 23, 2012. Project presentation.

Screening the Future 2012 conference, Los Angeles, May 21-23, 2012. Lecture.

“We Play Culture,” the national media student conference, Amsterdam, May 25, 2012. Lecture (via Skype).

Designing Geopolitics 2 conference, Calit2, San Diego, June 1-2, 2012. Moderator, “Data Sovereignty” panel.

Paris Institute of Political Science (SciPo), June 12, 2012. Workshop at Bruno Latour’s media lab and public lecture.

"The intrigue of Time" International Symposium, IRCAM, Paris, June 13-15, 2012. Lecture at Centre Pompidou.

European Graduate School, Saas-Fee, Switzerland, June 21, 2012. Lecture.

NanoMacroMega symposium, University of California, San Diego, September 13, 2012. Panel presentation.

Congress on Cultural Motion in the Arab Region, Orient-Institut Beirut, Lebanon, Beirut, October 5, 2012. Lecture.

Qualcomm Data Summit, San Diego, November 2, 2012 Lecture.

Digital Art History symposium, Institute of Fine Arts, New York, December 1, 2012. Keynote lecture.

ThatCamp CAA (College Art Association 2012 conference), February 11-12, 2013. Lecture.

“OS XXI: Art’s Digital Future,” The Graduate Center, CUNY, February 13, 2013. Panel participant.

"Future Knowledge" lecture series, University of South Carolina, March 1, 2013. Lecture.

Theorizing the Web 2013 conference, New York, March 2, 2013. Panel presentation.

Graduate Communications Design department, Pratt Institute, New York, March 6, 2013. Lecture.

Posthuman Ethics panel, CUNY Global Media: Ethics of Representation conference, Brooklyn College, March 15, 2013. Panel presentation.

“Pixelated Politics: Still and Moving Images in the Digital Age,” The Graduate Center, CUNY, April 9, 2013. Panel participant.

Communications Ph.D. program colloquim, School of Journalism, Columbia University, April 10, 2013. Lecture.

“The End of Cinema and the Future of Cinema Studies” conference, University of Pennsylvania, April 11-12, 2013. Lecture.

Virginia Commonwealth University, Richmond, Virginia, April 26, 2013. Lecture.

European Graduate School, Saas-Fee, Switzerland, June 17, 2013. Lecture.

“New media visuality (data, collections, archives),” 2nd national conference, Santiago, Chile, August 19, 2013. Keynote lecture.

The Department of Design, the University of Chile Santiago, Chile, August 20, 2013. Conversation with students and faculty.

“Books are in the air,” Strelka Institute, Moscow, August 6, 2013. Lecture (via Skype).

 **PROFESSIONAL SERVICE**

1) Manuscript reviewer, SUNY Press, 1993

2) Jury member, "Third Reality" Festival of Russian Video Art and Computer Animation, St. Petersburg, 1995

3) Jury member, First Internet Festival of Russian Art Resources (www.da-da-net.ru), 1997

4) Invited discussant, ARTISTIC PRACTICE IN THE NETWORK, an online forum presented by Eyebeam Atelier and the X Art Foundation (http://www.eyebeam.org), 1998

5) Organizer, COMPUTING CULTURE: DEFINING NEW MEDIA GENRES Symposium, UCSD, May 1998

6) Invited discussant, NET.ART TRADE FORUM, an online forum on net.art (http://www.teo-spiller.org/forum), 1999

7) Invited discussant, RE:PLAY, an online forum on computer games presented by Eyebeam Atelier, 1999

8) Invited discussant, REVISINING TELEVISION, an online forum on the future of television presented by Eyebeam Atelier, 2000

9) Member of Advisory Board, CRCA (Center for Research in Computers and the Arts), UCSD, 1996 –

10) Member of Advisory Board, MEDUSA (Media Usage and the Transformations of Everyday Experience), Academy of Finland, 1999 – 2002

11) Member of Advisory Board, GroundZero: The Art and Technology Network, 2000 –

12) Manuscript reviewer (multiple times), MIT Press, 2000 -

13) Reginal Editor, RHIZOME journal (www.rhizome.com), 1996 – 2006

14) Member, Digital Cultures Project, University of California, 2001 –

15) Member, The Host Committee for New Fangle, GenArtSF‚ an annual exhibition of technology-based work by Bay Area Artists, 2001.

16) Contributing Editor, Artbyte journal, 2001

### 17) Participant, a planning workshop to establish a fellowship in new media, Social Science Research Council, 2001

18) Member, advisory board, NMEDIAC: The Journal of New Media & Culture, 2001 –

19) Member, advisory board**,** The Bit Screen and Streaming Cinema, 2001 -

20) Member, advisory board, New York Digital Salon, 2001 –

21) Member, an editorial advisory board for a series in culture and technology 'Digital Futures’ at University of Toronto Press, 2002 –

22) Book proposal reviewer, Routledge, 2002

23) Member of an editorial board, OPEN (a journal for new media art and criticism), 2002 –

24) Rockefeller Foundation Report reviewer, 2002

25) Nominator (two times), Rockefeller New Media Art Fellowship, Rockefeller Foundation, 2001, 2002

26) Nominator and referee, MacArthur Fellowship, MacArthur Foundation, 2002

27) Member, The Host Committee for New Fangle, GenArtSF‚ an annual exhibition of technology-based work by Bay Area Artists, 2002

28) Advisor and invited discussant, (Re)structured Screen, an online forum on digital moving image presented by Eyebeam Atelier, 2002

29) Member of an advisory board, ARTNODES (online resource for art and media culture), Universitat Oberta de Catalunya, 2001 –

30) Jury member, Second International Bauhaus Award for Architecture and Media, Bauhaus Foundation, 2002

31) Consultant to the School of the Arts, Columbia University, New York City, 2002

32) Jury member, AIM IV (Art in Motion, international festival of moving image art), USC, 2003

33) Member of an editorial board, sim/iotic. For a theory of video games, (Milan) 2003 –

34) Member of an editorial board, Post-Identity (Detroit), 2003 –

35) Program advisor, Media Architecture conference, Riga, 2003

36) Member of an editorial board, Fibreculture journal (Sydney, Australia) (www.fibreculture.org), 2004-

37) Member of an advisory board, split connect, Split, 2003-2004

38) Member of an editorial board, The Journal of Gaming Studies, 2004 –

39) Founding member, Post East-West: Consortium For The Interdisciplinary Study Of Culture In East-Central Europe, UCSB, 204-

40) Member of Publications Advisory Council, Eyebeam (New York) (www.eyebeam.org), 2004 –

41) Member of the final review committee, David Erdman’s architecture studio, Department of Architecture, UCLA, December 15, 2004

42) Member of Final Review jury, School of Architecture, University of California, Los Angeles, March 17, 2004

43) Member of the Final Review committee, Hernan Diaz Alonso’s architecture studio, SCI-ARC, December 13, 2004

44) Member of Final Review jury, SCI-ARC, Los Angeles, April 22, 2004

45) Member of International Scientific Committee, Mediaversi, a book series published by CLUEB (a university book publisher based in Bologna, Italy), 2005-

46) Manuscript Reviewer, University of Minnesota Press, 2005

47) Member of Editorial Board, Animation: an Interdisplinary Journal (Sage Publications), 2005 –

48) Member of Advisory Board, Games and Culture journal (London: SAGE), 2005 –

49) Member of the International Advisory Board of the new School of Art & Technology. Netanya Academic College, Israel, 2005 -

50) Member of the international academic network "Media-Art and Digital Culture in the Age of Pervasive Computing,” 2006 –

51) Member of Advisory Board, Artifact, a journal on the impact of computerization on design (London: Routledge), 2005 –

52) Invited participant in Cinegrid workshop, CALIT2, December 14-15, 2006

53) Member of the external department review committee, Design/Media Arts Deparment, UCLA, 2007

54) Member of thesis review committee, SCI-ARC (Southern California School of Architecture), January 14-15, 2006

55) Member of Editorial Review Board of Lumina (Brazil: Federal University Juiz de Fora, 2007) (www.mestradofacom.ufjf.br/lumina)

56) Member of Editorial Review Board of Transactions section in Leonardo, 2007 –

57) Member of Advisory Board, e-media, 2007 –

58) Member of Emeriti Scientific board of FILE symposium, 2007 –

59) Member of Advisory Board, the Berkeley Center for New Media, 2008 –

60) Member of Editorial Board, Digital Studies / Le champ numérique (e-journal for digital humanities) (www.sdh-semi.org), 2008 –

61) Graduate Final Critiques participant, UCLA Design | Media Arts Department, 2008

62) Member of Advisory Board, Masters of Media journal (Amsterdam), 2010 –

63) Member of Editorial Board, Computational Culture, a Journal of Software Studies, (London), 2011 –

64)Member of Advisory Board, Places & Spaces information visualization travelling exhibitions, 2011 –

65) Advisor, Main Korean National Art Museum (NMAM), Seoul, 2011 –

66) Session co-organizer, College Art Association annual conference (Los Angeles), 2012

67) Member of the Final Review committee, Kazys Varnelis’s architecture studio, Columbia University Graduate School or Architecture, April 30th, 2013

68) Advisory Board Member, *Big Data and Society* journal, 2013 -