

BENJAMIN GROSSER

<http://bengrosser.com>

EDUCATION

MFA, New Media, University of Illinois at Urbana-Champaign, 2013

MM, Music Composition, University of Illinois at Urbana-Champaign, 1995

BM, Music Composition, University of Illinois at Urbana-Champaign, 1994

ACADEMIC AND PROFESSIONAL APPOINTMENTS

School of Art & Design, University of Illinois at Urbana-Champaign (UIUC)

2013- Visiting Instructor

Beckman Institute for Advanced Science and Technology, UIUC

2006-2008 Director, Imaging Technology Group

2001-2006 Co-Director, Imaging Technology Group

1998-2001 Manager, Visualization, Media and Imaging Laboratory

1996-1998 Research Programmer, Digital Visualization Facility

AWARDS, HONORS, FELLOWSHIPS

2014 Finalist, Arte Laguna Prize, Virtual and Digital Art, Venice, Italy

2013 Teaching Excellence Award, School of Art & Design, UIUC

2012 Terminal Award, Austin Peay State University

2012 Creative Divergents Award

2011 Rhizome ArtBase Selection, for *Interactive Robotic Painting Machine*

2011-13 Illinois Creative and Performing Arts Fellowship (2011, 2012, 2013), UIUC

2011-13 List of Teachers Ranked Excellent By Their Students (every course taught), UIUC

2011 *Science* Prize for Online Resources in Education, *Science Magazine*

2007 Semifinalist Honor, National Science Foundation Visualization Challenge

2007 NASA Software Award

2007 3rd Place, Scientific Film Festival, Materials Research Society

1994 Arnold O. Beckman Research Award, UIUC

EXHIBITIONS

2014 "FILE Festival," FIESP Cultural Center, São Paulo, Brazil (upcoming)

2014 "Check Reality," ULTRA, eFlux, Udine, Italy (upcoming)

- 2014 Electronic Literature Organization, University of Wisconsin, Milwaukee, WI
- 2014 "Screen/Off," Northwest Film Forum, Seattle, WA
- 2014 "Viral Dissonance," Ithaca College, Ithaca, NY (online)
- 2014 "Print Screen," Holon Mediatheque, Tel Aviv, Israel
- 2014 "Theorizing the Web," Windmill Studios, Brooklyn, NY
- 2014 "Computers Watching Movies," Web-Space, New Zealand (solo) (online)
- 2014 "Arte Laguna Finalist Exhibition," Telecom Italia Future Centre, Venice, Italy
- 2014 "Exuberant Politics," University of Iowa, Iowa City, IA
- 2014 "Yoko Ono Fan Club," University at Buffalo, Buffalo, NY
- 2014 "COLLISION20," Boston Cyberarts Gallery, Boston, MA

- 2013 "PRISM Breakup," Eyebeam, New York, NY
- 2013 "Public Assembly," The White Building, London, UK
- 2013 "The Public Private," Parsons, New York, NY [curated by Christiane Paul]
- 2013 "London CryptoFestival," Goldsmiths, University of London, UK
- 2013 "The Wrong - New Digital Art Biennale," Homestasis Lab (online)
- 2013 "CologneOFF IX: International Video Art Exhibition," Kėdainiai Museum, Lithuania
- 2013 "National Self-Portrait Exhibition," 33 Contemporary, Zhou B Art Ctr, Chicago, IL
- 2013 "School of Art & Design Faculty Exhibition," Krannert Art Museum, Champaign, IL
- 2013 "MFA Thesis Exhibition," Krannert Art Museum, Champaign, IL
- 2013 "Post-Conceptual Glitter," Lawton Gallery, University of Wisconsin, Green Bay, WI
- 2013 "Artificial Turf," Peanut Gallery, Chicago, IL

- 2012 Perspectives '12, International Festival of Digital Art, Univ. of Nevada, Reno, NV
- 2012 "Seen By Systems," Land of Tomorrow, Lexington, KY (solo)
- 2012 "Speed of Reality," Spacecamp Gallery, Indianapolis, IN (solo)
- 2012 "Form Follows Software," Vault Gallery, Arizona State University, Phoenix, AZ
- 2012 "n to Watch," Figure One, Champaign, IL (solo)
- 2012 "Art Basil," Link Gallery, Champaign, IL
- 2012 "You, I, You See," Co-Prosperity Sphere, Chicago, IL

- 2011 "PXL," Anka Gallery, Portland, OR
- 2011 "30/30," Address Gallery, Champaign, IL
- 2011 "Engage," Link Gallery, Champaign, IL
- 2011 "Accepted Knowing," Figure One, Champaign, IL
- 2011 "Artsplasia," Co-Prosperity Sphere, Chicago, IL

- 2008 Independent Media Center, Urbana, IL

- 2006 "Massive Change" by Bruce Mau, Museum of Contemporary Art, Chicago, IL
- 2006 "calcul*rt," Krannert Art Museum, Champaign, IL
- 2006 "School of Art & Design Faculty Exhibition," Krannert Art Museum, Champaign, IL

- 2005 "Computer Animation Festival," SIGGRAPH, Los Angeles, CA
- 2005 "Wired NextFest," Navy Pier, Chicago, IL

- 2003 "Recent Works," Boneyard Arts Festival, Urbana, IL (solo)
- 2002 "Message Adjustments," MAVerick Festival, University of Illinois, Urbana, IL
- 1997 "Computer Animation Festival," SIGGRAPH, Los Angeles, CA

MULTIDISCIPLINARY ART PERFORMANCES

- 2015 *More Like This*, for two saxophonists, artificial intelligence, live electronics, and participatory audience. Commissioned and performed by Rhonda Taylor and Michael Ibrahim. New Mexico State University, Las Cruces, NM (upcoming)

- 2014 *More Like This*, North American Saxophone Alliance Conference, UIUC (premiere)

- 2011 *Head Swap*, for amplified violin and interactive robotic painting machine. Collaborative work with composer Zack Browning (music by Browning, robotic machine by Grosser). Krannert Center for the Performing Arts, Urbana, IL

SELECTED MUSIC COMPOSITION PERFORMANCES

- 2015 Guest Composer Concert, Atkinson Hall, New Mexico St. Univ., Las Cruces, NM
- 2013 Marshall Center, University of Minnesota, Duluth, MN
- 2012 Sonic Series, JACK, Brooklyn, NY
- 2012 Seven Immediacies Series, Vol. 6, Vaudville Park, Brooklyn, NY
- 2011 Virginia Museum of Contemporary Art, Virginia Beach, VA
- 2011 Atkinson Hall, New Mexico State University, Las Cruces, NM
- 2011 College of the Holy Cross, Boston, MA
- 2010 North American Saxophone Alliance Conference, Univ. of Georgia, Athens, GA
- 2009 Holsclaw Hall, University of Arizona, Tuscon, AZ
- 2009 Katzin Hall, Arizona State University, Tempe, AZ
- 2003 Faculty Composition Concert, Krannert Center for the Performing Arts, Urbana, IL
- 2002 Computer Music Festival, Michigan State University, East Lansing, MI
- 1997-99 Three Two Festival, Renee Weller Hall, Greenwich House Music School, NY
- 1996 Three Two Festival, Wesleyan University, CT
- 1995 Midwest Composers Symposium, School of Music, University of Illinois, Urbana, IL
- 1995 PRISM Saxophone Quartet Concert, Settlement Music School, Philadelphia, PA
- 1994 Contemporary Chamber Players Concert, Webster University, St. Louis, MO
- 1994 Three Two New Music Festival, Cleveland Institute of Music, Cleveland, OH
- 1994 Festival of Ugly New Music, Smith Memorial Hall, University of Illinois, Urbana, IL
- 1993 Summer School for Designing Society, Gesundheit Institute, Hillsboro, WV
- 1992 Computer Music Concert, Michigan State University, East Lansing, MI

SELECTED ART PRESS
(remainder in APPENDIX A)

- 2014 "Computers Go To The Movies," Tom Benham, *Wired UK*, 1 Apr.
- 2014 "También los ordenadores miran los clásicos del cine," Roberto Bosco and Stefano Caldana, *El País* [Spain], 17 Feb.
- 2014 "Man and Machine: Playing games on the Internet," Susan Orlean, *The New Yorker*, 10 Feb.
- 2014 "This Is What a Computer Sees When It Watches *The Matrix*," Kyle VanHemert, *Wired*, 31 Jan.
- 2014 "Watch Computers Watch Famous Movies," Mark Wilson, *FastCoDesign*, 22 Jan.
- 2014 "Computers Watching Movies," James Bridle, *The New Aesthetic*, 15 Jan.
- 2014 "What computers see when they watch movies," Casey Chan, *Gizmodo*, 14 Jan.
- 2014 "This is what a computer sees when it watches The Matrix," Olivia Solon, *Wired UK*, 13 Jan.
- 2014 "This Is How A Computer Sees Movies," Laura Feinstein, *The Creators Project*, 9 Jan.
- 2013 "So liest die NSA auch Ihre E-Mails," Ole Reißmann, *Der Spiegel* [Germany], 31 Oct.
- 2013 "The Art Project That *Wants* the NSA to Read Your Email," Rebecca Rosen, *The Atlantic*, 17 Oct.
- 2013 "Art project adds tinge of terror to everyday email," Eric Zorn, *Chicago Tribune*, 11 Oct.
- 2013 "ScareMail plugin will flag all your email to the NSA," Alex Hern, *The Guardian*, 10 Oct.
- 2013 "The Gmail Extension That Aims to Drown the NSA in Nonsense," Ryan Gallagher, *Slate*, 9 Oct.
- 2013 "ScareMail," Rich Oglesby, *Prosthetic Knowledge*, 3 Oct.
- 2013 "Vision Quest," Clive Thompson, *Wired*, 1 Sep.
- 2013 "Privacy Exposed To Radiant Light," Rich Oglesby, *Rhizome*, 26 Jun.

- 2013 "Facebook Demetricator: de-quantifier of social connections," Paul Prudence, *Neural*, #44 p. 34
- 2013 "Our data, ourselves? Exhibit pushes boundaries of online privacy," Barbara Ortutay, *Washington Post*, 4 Apr.
- 2013 "The Public Private," *The New Yorker*, 29 Mar.
- 2013 "Cuando lo privado se hace público," Roberta Bosco and Stefano Caldana, *El País* [Spain], 18 Mar.
- 2013 "The Measure of Success: Making Art in the 'Like' Economy," Julia Kaganskiy, *Hyperallergic*, 7 Mar.
- 2013 "Facebookisierung der Kultur?," Von Roland Fischer, *Der Bund* [Switzerland], 24 Jan.
- 2012 "Facebook Demetricator Eliminates Popularity Contest," Leslie Meredith, *NBCNEWS.com*, 11 Dec.
- 2012 "Facebook Demetricator may be a solution to your 'likes' addiction," Deborah Netburn, *Los Angeles Times*, 5 Dec.
- 2012 "Il Facebook Demetricator per liberarsi dalla schiavitù dei like," Olga Mascolo, *Corriere della Sera* [Italy], 22 Nov.
- 2012 "My Headline Grabs," Kashmir Hill, *Forbes*, 15 Nov.
- 2012 "De like-cultuur heeft ons in zijn greep," Lisette Wouters, *HP / De Tijd* [Netherlands], 7 Nov.
- 2012 "La Revue du web," Catherine Mathys, *La sphère, Radio Canada*, 3 Nov.
- 2012 "A Browser Plug-In That Strips All The Numbers From Facebook," Kyle Vanhemert, *FastCoDesign*, 27 Oct.
- 2012 "The Facebook Demetricator Removes the Numbers From Facebook, Leaves You No Excuse for Not Working," Alan Henry, *Lifehacker*, 25 Oct.
- 2012 "Using Facebook Without Numbers Is Like Growing Up Without Peer Pressure," Casey Chan, *Gizmodo*, 23 Oct.

- 2012 "Demetricator extension removes 'like' and friend counts from your Facebook page," Amar Toor, *The Verge*, 23 Oct.
- 2012 "Facebook, But Without The Numbers," Kevin Holmes, *The Creators Project*, 23 Oct.
- 2012 "Want Facebook without the popularity contest? Try this new tool," Rosa Golijan, *NBC Today Show Blog*, 23 Oct.
- 2012 "Facebook Demetricator—The Unquantified Self," Greg J. Smith, *Creative Applications Network*, 22 Oct.
- 2012 "Are Holograms Nostalgia or a New Form of Art?," *PBS Video Idea Channel*, 23 May
- 2012 "Make It New," Jeroen Junte, *Frame [UK]*, #86, p. 211, 1 May
- 2012 "Flexible Pixels." *The New Aesthetic*, 11 Apr.
- 2011 "This Year In Bots," Kit Eaton, *FastCompany*, 30 Dec.
- 2011 "聽到什麼就畫出什麼的機器," *Make:Blog [Taiwan]*, 24 Nov.
- 2011 "Robot Paints Its Feelings," Tracy Staedter, *Discovery News*, 18 Nov.
- 2011 "A Machine That Paints What It Hears," Matt Richardson, *Make : Blog*, 12 Nov.
- 2011 "Interactive Robotic Painting Machine by Benjamin Grosser," Andrew Reilly, *Huffington Post*, 20 Sep.
- 2011 "Interactive Robotic Painting Machine by Benjamin Grosser," *Juxtapoz Magazine*, 20 Sep.
- 2011 "The machine responds to sounds in its environment," *The New Aesthetic*, 7 Sep.
- 2011 "A Painting Robot With An Ego As Fragile As A Real Artist's," Suzanne LaBarre, *FastCoDesign*, 31 Aug.
- 2011 "비평가가 말하는대로 그림을 그리는 로봇," *Make : Blog [Korea]*, 31 Aug.
- 2011 "Abstract Expressionism, Painted By A Robot," Kevin Holmes, *The Creators Project*, 29 Aug.
- 2011 "Interactive Robotic Painting Machine," *Today and Tomorrow*, 25 Aug.

- 2011 "Robotic Painting Machine Listens to Critics," John Baichtal, *Make : Blog*, 19 Aug.
- 2011 "Interactive Robotic Painting Machine," Rich Oglesby, *Prosthetic Knowledge*, 18 Aug.
- 2011 "Today's must-see viral videos," Drew Grant, *Salon*, 17 Aug.
- 2011 "Interactive Robotic Painting Machine begs the Question: Art for art's sake, or for its master's?," Volpe, Joseph, *Engadget*, 17 Aug.
- 2011 "Ben Grosser's interactive robotic painting machine," Mark Frauenfelder, *BoingBoing*, 17 Aug.

INTERVIEWS (WEB, RADIO, PRINT)

- 2014 "谁是这些油画作品的作者 (Who is the Author of These Paintings?)," E演 (E Performance, peer-reviewed journal) [China], June (interview)
- 2014 "Patch In 6: Bad Painter-Bot!," Patch In #6, *SoundNotion.tv*, 10 Apr. (video interview)
- 2013 "Bugged Week 41," Anders Kjærullf, *Radio 24syv* [Netherlands], 13 Oct. (radio interview)
- 2013 "Ben Grosser: New Media," *ArtBookGuy.com*, 18 Aug. (interview)
- 2012 "Don't Give Me the Numbers—an interview With Ben Grosser about Facebook Demetricator," Matthew Fuller, *Rhizome*, 15 Nov.
- 2012 "גרוסר בנימין (Benjamin Grosser)," *אודיסיאה (Odyssey)* [Israel], Issue 14, pp. 50-51. (interview)
- 2012 "Interactive Robotic Painting Machine, el arte como diálogo tecnológico," Fernanda Ares, *Roboteknia* [Mexico] 1:3, pp. 25-26, 1 Jan. (interview)
- 2011 "ベンジャミン・グロッサー (Benjamin Grosser)," Memi Mizukami, *SHIFT* [Japan] 2 Sep. (interview)

BOOK CHAPTERS

- 2006 Grosser, B., and McDonagh, D. "Relevant Design: Enhancing Quality of Life through the Fusion of Art, Science, and Technology." *IMPACT: The Synergy of Design, Business, and Technology*. Ed. McDonagh, D. Champaign, IL: Printec. 50-53.

JOURNAL ARTICLES

- 2014 Grosser, B. "How the Technological Design of Facebook Homogenizes Identity and Limits Personal Representation." *HZ* (accepted for publication).
- 2006 Fried, G., Grosser, B., & Mah, C. "Virtual Microscopy: A Tool for Sample Documentation and Dissemination." *Scanning*, 28:2, 100-101.
- 2005 Fried, G., Grosser, B., Mau, C., Blasi, L. "Documenting Xyloplax Using a Virtual Scanning Electron Microscope." *Integrative and Comparative Biology*, 45:6, 1133.
- 2005 Joseph Cesarano III, Jennifer G. Dellinger, Michael P. Saavedra, David D. Gill, Russell D. Jamison, Benjamin A. Grosser, Janet M. Sinn-Hanlon and Michael S. Goldwasser. "Customization of Load-Bearing Hydroxyapatite Lattice Scaffolds." *International Journal of Applied Ceramic Technology* [1546-542X] III 2.3: 212.
- 1999 Kisseberth, N., G. Brauer, B. Grosser, C.S. Potter and B. Carragher. "JavaScope: A Web-Based TEM Control Interface." *Journal of Structural Biology*, 125:23: 229-234.

MEDIA PUBLICATIONS

- 2004 Grosser, B. "Mandible Reconstruction Project." Animation. *Siggraph Video Review* #149, NY:ACM.
- 1997 Fossum, BM and Benjamin Grosser. "Enhanced Processor Lifetime Through Deuterium Processing." Animation. *Siggraph Video Review* #124, NY:ACM.

INVITED CONFERENCE PAPERS (EXTENDED ABSTRACTS)

- 2006 Fried, G., Grosser, B., Conway, C., & Manzoor, K. "High-Resolution, Multi-Dimensional Virtual Microscopy." *Microscopy and Microanalysis*, 12 (S02): 214-215, Cambridge University Press.
- 2005 Fried, G., Grosser, B., Gaskins, T., and Klementiev, A. "Virtual Microscopy Using High-Resolution Datasets." *Microscopy and Microanalysis*, 11 (S02): 648-649, Cambridge University Press.

CONFERENCE PAPERS (RESEARCH ARTICLES AND EXTENDED ABSTRACTS)

- 2003 Appleman, D., Fried, G., Grosser, B., Weber, D., Conway, C., Robinson, S. "Constructing a Research Grade Interactive Remote Microscopy Application—Goals, Challenges, and Results." *Microscopy and Microanalysis*, 9: 1256-1257, Cambridge University Press.

- 2003 Fried, G., Robinson, S., Appleman, D., Grosser, B., Weber, D., Conway, C. "Research Grade Remote-Access Scanning Electron Microscopy: The Evolution of the Bugscope Project." *Microscopy and Microanalysis*, 9: 1258-1259, Cambridge University Press.
- 2002 Thakkar, U., Fried, G., Grosser, B., Robinson, S., Weber, D., Korb, M., & Lee, J. "Integrating remote scientific instrumentation in the curriculum to support inquiry: Case studies in K-12 and teacher education." *Proceedings of the Society for Information Technology and Teacher Education* (pp. 2144-2145). Norfolk, VA: Association for the Advancement of Computing in Education.
- 2001 Potter, C., Carragher, B., Carroll, C., Grosser, B., Hanlon, J., Kisseberth, N., Robinson, S., Thakar, U., & Weber, D. "Bugscope: A practical approach to providing remote microscopy for science education outreach." *Microscopy and Microanalysis*, 7(3), 249-252.
- 2000 Potter, C. S., Carragher, B., Carroll, L., Conway, C., Grosser, B., Hanlon, J., Kisseberth, N., Robinson, S., Stone, D., Thakkar, U., & Weber, D. "Bugscope: A sustainable remote microscopy project for K-12." *Proceedings of the Fourth International Conference of the Learning Sciences*, pp. 379-380. Mahwah, NJ: Lawrence Erlbaum.
- 1999 Grosser, B. and Kisseberth, N. "irma: An Interactive Remote Microscopy Application for WWW-Based Control of an Environmental Scanning Electron Microscope (ESEM)." *Proceedings: Workshop on Automated Control of Distributed Instrumentation (ACDI '99)*. Urbana, IL: University of Illinois.
- 1999 Potter, C., Carragher, B., Stone, D., Thakkar, U., Grosser, B., Hanlon, J., Hoyer, C., Kisseberth, N., Robinson, S., & Weber, D. "Bugscope: A sustainable web-based telemicroscopy project for K-12 classrooms." *Microscopy and Microanalysis*, 5, 514-515.

PUBLISHED MUSIC

- 2012 Grosser, B. "Not Pitch." on Taylor, R. *Interstice*. shh #0135. CD/Digital Distribution.
- 1997 Grosser, B. "If But Or." *waveFORMATION*. Electronic Music Studios EMS 9700. CD.

GRANTS (ART & TECHNOLOGY)

- 2010 "A Collaborative Robotic Painting Machine that Enables Multidisciplinary Performance and Art Making for People with Disabilities." UIUC Research Board, \$18,105

- 1995 "Towards Genetics-Based Machine Learning for Timbral Search and the Completion of Five Music Commissions using GACSS." UIUC Research Board, \$5,000
- 1994 "A Proposal to Complete Phase Two of the Development of Computer Music Software Which Utilizes Genetic Algorithms as its Fundamental Control Structure." UIUC Research Board, \$5,000
- 1993 "A Proposal for Hardware Needed to Drive Current Research Involving Computer Music Software Which Utilizes Genetic Algorithms as its Fundamental Control." UIUC Research Board, \$7,700
- 1993 "A Proposal for the Core Development of Computer-Assisted Compositional Software Which Utilizes Sound Synthesis Procedures Controlled by Genetic Algorithms." UIUC Research Board, \$5,000

GRANTS (SCIENCE)

- 2007 Primary Author, "MRI: Acquisition of a Multi-Length Scale Ultra High-Resolution X-Ray Nanotomography Instrument," National Science Foundation (NSF), \$1,998,500
- 2007 PI, "Redevelopment of the Bugscope Project," Submeta Foundation, \$25,000
- 2005 Co-PI, "An Alternative Approach to Bone Replacement," Critical Research Initiative Grant, UIUC, \$97,000
- 2004 Primary Author and Co-PI, "Virtual Light and Scanning Probe Microscopy Instruments for the Virtual Laboratory Project," NASA Kennedy Space Center, \$250,000
- 2004 Primary Author and Co-PI, "VSEM Sample Production for the Virtual SEM Project," NASA Kennedy Space Center, \$37,000
- 2004 Primary Author and Co-PI, "Acquisition of an X-Ray Microtomography Instrument for Materials Research and Education", National Science Foundation, \$220,000
- 2003 PI, "A Rapid Prototyping Machine for Multi-Disciplinary Research," UIUC Research Board, \$25,000
- 2003 Primary Author and Co-PI, "A Virtual SEM." NASA Kennedy Space Center, \$75,000

2002 Primary Author and Co-PI, "A Research Grade ESEM Application." NASA Hierarchical Learning Network, \$200,000

INVITED PANEL PRESENTATIONS

2013 "Facebook Demetricator and the Easing of Prescribed Sociality," Political Economies of Social Networks: Art & Practice Panel, Unlike Us: Understanding Social Media Monopolies and Their Alternatives, Institute of Network Cultures, Amsterdam, Netherlands, 21 Mar.

INVITED ARTIST PRESENTATIONS

2014 University of Southern California, Los Angeles, CA (upcoming)
2014 New Mexico State University, Las Cruces, NM (upcoming)
2014 Industry Lab, Boston, MA (upcoming)
2012 University of Arizona, Tucson, AZ
1995 New York University, NY
1995 Manhattan School of Music, NY
1995 SUNY Stony Brook, NY
1995 Columbia University, NY

OTHER INVITED PRESENTATIONS

2003 "Bugscope—Future Directions", California Science Center, Los Angeles, CA
2003 "Bugscope—Future Directions", San Diego Zoo, San Diego, CA
2003 "Bugscope—Future Directions", Natural History Museum, Los Angeles, CA
2003 "Bugscope: An Online Educational Outreach Project", Discovery Science Center, CA

PEER-REVIEWED CONFERENCE PRESENTATIONS

2014 "Privacy Through Visibility: Disrupting NSA Surveillance With Algorithmically Generated 'Scary' Stories," Electronic Literature Organization, Milwaukee, WI (upcoming)

2014 "What Do Metrics Want? Facebook Demetricator and the Easing of Prescribed Sociality," Theorizing The Web, Brooklyn, NY

2012 "How Revealed Metrics Guide User Behavior in the Facebook Interface," User-Public-Audience: Interdisciplinary and Transnational Approaches to Research in Media and Digital Cultures, UIUC

2006 "The Fusion of Design and Technology to Improve Quality of Life through Universal Design," Second International Conference for Universal Design.

International Association for Universal Design, International Conference Hall, Kyoto, Japan, 24 Oct. (w/ Deana McDonagh)

- 2003 "Bugscope: An Application of Remote Scientific Instrumentation in Education," National Science Foundation, Educating With Virtual Experience Workshop, National University of Ireland, Maynooth, Ireland, 5-7 Nov. (w/ Umesh Thakkar)
- 2001 "Bugscope Project Overview and Demonstration," Image and Meaning Conference Exhibition, Massachusetts Institute of Technology, Boston, MA, 13-16 May

POSTER PRESENTATIONS

- 2006 Grosser, B., Jamison, R., Hart, J., Stroila, M., Goldwasser, M., Wagoner Johnson, A., Ashani, S., Jerez, A., "Automated Production of Artificial Bone Implants." *BIO 2006*. McCormick Place, Chicago, IL.
- 2003 Jamison, R., Goldwasser, M., Cesarano, J., Grosser, B. "Rational Design of Load-Bearing Bone Scaffolds: A Case Study." Gordon Research Conference on Biomaterials: Biocompatibility/Tissue Engineering. Plymouth, NH.

CONFERENCE AND WORKSHOP PRESENTATIONS

- 2014 New Media Caucus Showcase, College Art Assoc., Columbia College, Chicago, IL
- 2012 EYEO Festival, Walker Art Center, Minneapolis, MN

CAMPUS PRESENTATIONS

- 2014 "Panel on 30th Anniversary of the Computer Music Project," School of Music, UIUC
- 2013 "Facebook Demetricator and the Easing of Prescribed Sociality," Krannert Art Museum, UIUC
- 2012 "What Does Software Want? Recent Projects and Research," Beckman Institute, UIUC
- 2006 "High-Resolution Multi-Dimensional Virtual Microscopy," Imaging Technology Group (ITG) Forum, Beckman Institute (BI), UIUC
- 2004 "Photoshop Techniques: Selections," ITG Forum, BI, UIUC
- 2004 "Color Management Essentials: Matching Colors between Monitors and Printers," ITG Forum, BI, UIUC

- 2003 "3-D Modeling Techniques for Artificial Bone Implant Design," Materials Science Seminar, UIUC
- 2003 "An Interdisciplinary Approach to Reconstruction of the Human Mandible," Bioengineering Seminar, UIUC
- 2003 "High-Resolution Digital Photography with the Canon 1Ds", ITG Forum, BI, UIUC
- 2002 "Custom Data Visualization Tools for Maya," ITG Forum, BI, UIUC
- 2000 "Introduction to DVD-Video and its Applications," ITG Forum, BI, UIUC
- 1999 "An Interactive Remote Microscopy Application," Workshop on Automated Control of Instrumentation, BI, UIUC
- 1999 "An Interactive Remote Microscopy Application," ITG Forum, BI, UIUC
- 1998 "Constructing and Rendering 3D Surfaces from Topographical and Intensity Data," ITG Forum, BI, UIUC
- 1998 "About the Visualization, Media, and Imaging Laboratory," ITG Forum, BI, UIUC

TEACHING EXPERIENCE

- 2014 Sound Art
- 2014 Interaction I
- 2014 Advanced New Media Seminar
- 2014 Interaction II: Computational Art
- 2014 Net Art
- 2013 Sound Art
- 2013 Interaction I
- 2013 Interaction II: Physical Computing
- 2012 Interaction I
- 2012 Interaction II: Computational Art
- 2011 Interaction I
- 2006 Industrial Design II (co-instructor)
- 1997 Fundamentals of Digital Imaging Short Course (co-instructor)
- 1995 Music Theory IV (20th Century) (TA)
- 1994 Music Theory I (17th Century) (TA)
- 1994 Aural Skills I

OTHER RESEARCH EXPERIENCE

- 2012 Research Assistant (Research Programmer), Re-Framing the Online Video Archive, Institute for Computing in Humanities, Arts, and Social Science, UIUC
- 2010-11 Research Assistant (Creator and Developer), Interactive Robotic Painting Machine, Art & Design, UIUC
- 1993-96 Research Assistant (Research Programmer), Computer Music, School of Music, UIUC

REVIEW PANELS AND OTHER PEER REVIEW

- 2012 Juror, Creative Divergents Award, Summer Showcase
- 2000-07 Reviewer, University of Illinois Campus Research Board, 2000-2004, 2006, 2007
- 2003 Review Panelist, National Science Foundation

SELECTED SCIENTIFIC RESEARCH PRESS

- 2004 "CD gives students feel for powerful scope," *News-Gazette*, 12 Jul: A2.
- 2004 "Microscope via Internet makes bugs a big deal," *Houston Chronicle*, 31 Mar.
- 2004 "Visiting the creepy-crawly world with the help of the Bugscope program," *Irish Times* [Dublin], 24 Mar.
- 2004 "Bugscope a Hit Overseas," *News-Gazette*, 13 Feb.
- 2003 "New Mandible Implant Avoids Need for Hip Surgery," *Medical Tribune*, 36:43-44, Tokyo, Japan, 23 Oct.
- 2003 "Carle, UI Test Computer-Generating New Bone," *News-Gazette*, 15 Jun.: A1.
- 2003 "UI Project Simply Buggy, On Purpose," *News-Gazette*, 26 Jan.
- 1999 "Bugscope," All Things Considered, *National Public Radio*, 7 Dec.
- 1999 "Real World Science from Internet Labs," *New York Times*, 17 Jun: G9.

JOURNAL AND BOOK COVERS

- 2007 *Nature*, 446.22
- 2007 *J. of Materials Chemistry*, 17.9
- 2007 *Handbook of Nanoscience, Engineering and Technology*. 2nd ed. Boca Raton: CRC
- 2006 *Soft Matter* 2.170 (w/ Xu, M., and Lewis, J.)
- 2006 *Nature Materials*, 5.1 (w/ Conway, C.)
- 2005 *Applied Physics of Carbon Nanotubes*, S.V. Rotkin, Ed. Springer-Verlag, July
- 2004 *Chemical Communications*, 1.5
- 2004 *Materials Today*, 7.7-8 (w/ Gratson, G., and Lewis, J.)
- 2004 *Applied Physics Letters*, 84.16 (w/ Rotkin, S.V. and Hess, K.)
- 2002 *Handbook of Nanoscience, Engineering and Technology*, 1st ed. Boca Raton: CRC
- 2002 *J. of Polymer Science, Part A: Polymer Chemistry*, 40.8

INTERVIEWS (AS EXPERT)

- 2013 "Facebook 'Friends,' and Why We Should Lose the Scare Quotes," Rebecca Rosen, *The Atlantic*. 10 Jan.

UNIVERSITY SERVICE

- 2007 Chair, Visualization Lab Manager Search Committee, Beckman Institute, UIUC
2006 Chair, Light Microscopist Search Committee, Beckman Institute, UIUC
2005 Chair, Visiting Research Engineer Search Committee, Beckman Institute, UIUC
2005 Specialist Light Microscopist Search Committee, Beckman Institute, UIUC
2005 Visiting Microscopist Search Committee, Beckman Institute, UIUC
2004 Senior Systems Admin. Search Committee, Institute for Genomic Biology, UIUC
2002 Art & Technology Organizing Committee, Beckman Institute, UIUC
2002 Chancellor's Retreat on Cross-Campus Initiatives, UIUC
2002 Chair, Visiting Research Programmer Search Committee, Beckman Institute, UIUC
2002 Chair, Senior Systems Administrator Search Committee, Beckman Institute, UIUC
2002 Chair, Senior Research Programmer Search Committee, Beckman Institute, UIUC
2001 Chair, Research Programmer Search Committee, Beckman Institute, UIUC
2001 Chair, Systems Administrator Search Committee, Beckman Institute, UIUC
2001 Multimedia Specialist Search Committee, Beckman Institute, UIUC
2001 Light Microscopist Search Committee, Beckman Institute, UIUC
1995 Chair, Computer Music Project Advisory Committee, School of Music, UIUC

PUBLIC SERVICE

- 2005-11 City of Urbana Plan Commission
2007-08 City of Urbana Public Arts Task Force. Wrote portions of public arts policy for the city. Adopted 2008.
1999-04 Member, Board of Directors, ThreeTwo, Inc. (non-profit arts org), New York, NY

PROFESSIONAL MEMBERSHIPS

Rhizome
New Media Caucus
Electronic Literature Organization
College Art Association
Creative Applications Network

APPENDIX A: ADDITIONAL SELECTED ART PRESS (also see SELECTED ART PRESS section)

- 2014 "La galería sin espacio (físico)," Pau Waelder, *Arte Y Cultura Digital* [Spain], 6 May

- 2014 "ScareMail – Usando la cadena de Márkov," Fanta, *Elbinario* [Spain], 23 Apr.
- 2014 "Weg met alle Facebookscores," Dimitri Tokmetzis, *de Correspondent* [Netherlands], 14 Apr.
- 2014 "Dame mit datenverarbeitendem System," Peter Glaser, *Neue Zürcher Zeitung* [Switzerland], 27 Feb.
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