

Curriculum Vitae

David E. Pape

Department of Media Study
231 Center for the Arts
University at Buffalo
Buffalo, NY 14260

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Buffalo NY 14214

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Education

PhD, University of Illinois at Chicago, 2001
Electrical Engineering and Computer Science
Thesis: "Composing Networked Virtual Environments"

MS, Rensselaer Polytechnic Institute, 1990
BS, Rensselaer Polytechnic Institute, 1988

Employment History

University at Buffalo, Assistant Professor, Aug 2003 - present
University at Buffalo, Research Professor, Aug 2002 - Aug 2003
Freelance consultant, Jan 2001 - Jul 2003
Electronic Visualization Laboratory, University of Illinois at Chicago, Research Assistant, Aug 1994 - Jul 2000
Ars Electronica Center, Artist in Residence, Aug 1997 - Sep 1997
Electrical Engineering and Computer Science Department, University of Illinois at Chicago, Teaching Assistant, Aug 1993 - May 1994
NASA / Goddard Space Flight Center, Computer Engineer, Sep 1986 - Aug 1996
Computer Science Department, Rensselaer Polytechnic Institute, Teaching Assistant, Sep 1988 - May 1990

Awards

University of Illinois at Chicago University Fellowship, 1993-1995

Honors

Artvoice Artie Awards Citation of Excellence given to Buffalo Infringement Festival, 2007
Foreign Title Award in Theater and Exhibition, Multimedia Grand Prix '97
NASA/GSFC Exceptional Achievement Award, 1993
NASA/GSFC Space Data and Computing Division Peer Award, 1993
Pi Mu Epsilon honorary society, 1987

Professional Memberships and Activities

Member of: Association for Computing Machinery; SIGGRAPH; IEEE Computer Society
Paper reviewer for: Presence: Teleoperators and Virtual Environments, IEEE Computer Graphics & Applications, IEEE Virtual Reality conference
VROOM Committee, SIGGRAPH '94
Information Architecture Committee (GII Testbed), Supercomputing '95
iGrid 2000 Organizing Committee, iGrid 2000 Research Exhibit, INET 2000
Workshop organizer, "Virtual Reality for Public Consumption", IEEE Virtual Reality 2004
Intuition 2007 Scientific Committee member
Eurographics 2008 Tutorials Program Committee member

University Service

Visualization Board chair, UB Center for Computational Research Executive Committee, 2005-2007
UB2020 Envisioning Retreats participant - "Information and Computing Technology", "Artistic Expression & Performing Arts", 2004-2005

College Service

Departmental Service

Director of Undergraduate Studies, 2004 - present
Film faculty search, 2004
Department Chair search, 2006-2007
Department Website committee, 2006-2008
Undergraduate Portfolio Reviews, 2003 - 2008
MFA admissions, 2005 - 2008
MFA 1st Year Reviews, 2006 - 2008

Community Service

Organizing committee, Buffalo Infringement Festival, 2005-present
Wikimedia Commons administrator, 2007-present
Career Day speaker, Benjamin Franklin Middle School, 2004 & 2006

Courses Taught

Programming Graphics 1 (DMS 423/523) - Fall 2003, Fall 2004, Fall 2005, Fall 2006, Fall 2007
Programming Graphics 2 (DMS 424/524) - Spring 2004, Spring 2005, Spring 2006, Spring 2008
Virtual Reality 1 (DMS 438/553) - Fall 2003
Virtual Reality 2 (DMS 439/554) - Spring 2004
Copyright & All That (DMS 417/516) - Spring 2005
Introduction to Media Analysis (DMS 259) - Spring 2006
3D Movies (DMS 212) - Fall 2006
History of Animation (DMS 218) - Fall 2007
Free Culture (UE 141) - Fall 2007
Game Design (DMS 462/562) - Spring 2008

Research Supervision

Amin Ghadersohi - Research Assistant, 2005-2006; PhD committee, current
Nicholas Stedman - MFA committee, current
Orkan Telhan - MFA committee, 2007
Caroline Tennant - MFA committee, 2006
Amit Makwana - Research Assistant, 2003-2005; MS committee, 2005
Kevin Robert Casey - MAH co-advisor, 2005
Adam Liszkiewicz - Graduate Assistant, 2007-2008
Nick Bruscia - Research Assistant, Spring 2007
Seokhwan Cheong - Graduate Assistant, 2006-2007

Grant Support

- "Woy/Ubu: A Collaborative Performance of Woyzeck and Ubu Roi in Virtual Reality" (renewal grant), Morris Fund for the Visual and Performing Arts, 2008-2009, \$40,000, Co-PI
- "Woy/Ubu: A Collaborative Performance of Woyzeck and Ubu Roi in Virtual Reality", Morris Fund for the Visual and Performing Arts, 2007-2008, \$20,000, Co-PI
- "Intermedia Performance Studio", UB 2020 Interdisciplinary Research Development Fund, 1 July 2006 - 1 July 2007, \$38,500, Co-PI
- "Virtual Drama with Intelligent Agents", UB IRCAF grant, 11/2003 - 10/2004, \$33,000, Co-PI
- "Enhancing Crystal Structure Determination through Data Mining, Collaborative Environments, and Grid Computing", NSF ITR - Division of Computer & Communication Foundations, \$2,018,965, 7/2002 - 6/2006, Co-PI (2004-2006)
- Pending: Creative Capital, 2008-2010, \$45,000, PI.

Publications

Refereed journals

- Dave Pape, Josephine Anstey, Margaret Dolinsky, Edward J. Dambik. "Ygdrasil - a framework for composing shared virtual worlds", *Future Generation Computing Systems*, Volume 19, Number 6, August 2003, Elsevier Press.
- Tomoko Imai, Andrew E. Johnson, Jason Leigh, David E. Pape, Thomas A. DeFanti. "VR Mail System", *Correspondences on Human Interface*, Vol. 1 No. 4, September 1999.
- Dave Pape. "A Hardware-Independent Virtual Reality Development System." In *IEEE Computer Graphics and Applications*, Vol 16.4, July 1996, pp. 44-47.

Non-refereed journals

- Josephine Anstey, Dave Pape. "The Thing Growing", *Ylem Newsletter*, July/August 1999.
- Josephine Anstey, Dave Pape. "Animation in the CAVE." *Animation World Magazine*. Vol 3, No 1. April 1998.
- Marek Czernuszenko, Dave Pape, Daniel J. Sandin, Thomas A. DeFanti, Gregory L. Dawe, Maxine Brown. "The ImmersaDesk and Infinity Wall Projection-Based Virtual Reality Displays." In *Computer Graphics*, Vol. 31 No. 2, May 1997, pp. 46-49.
- Carol Boquist, James Strong, Dave Pape, Trisha Cunningham. "Evolution of a Scientific Visualization Studio." *NASA Science Information Systems Newsletter*, No. 28, April 1993.

Catalog Essays

- Josephine Anstey, Dave Pape. "The Thing Growing." *Virtuality and Interactivity catalog*, MediArtech '99. Florence, Italy, May 1999. pp. 68-71.
- Josephine Anstey, Dave Pape. "The Thing Growing." *InfoWar catalog*, Ars Electronica Festival '98. Linz, Austria, September 1998.

Conference proceedings

- Amin Ghadersohi, Mark L. Green, Dave Pape, Russ Miller. "A Reliable and Robust Software Architecture for Distributed Collaborative Visualization", 2006 International Conference on Computational Science and Education, Rochester, NY, 7-10 August 2006.
- Dave Pape, Jackie Matisse. "Virtual Art Volant", SIGGRAPH 2006 Research Posters, Boston, MA, 30 July - 3 August 2006.
- Josephine Anstey, Sarah Bay-Cheng, Stuart C. Shapiro, Dave Pape. "Human Trials Intermedia Performance", SIGGRAPH 2006 Research Posters, Boston, MA, 30 July - 3 August 2006.
- Dave Pape, Amin Ghadersohi, Josephine Anstey, Amit Makwana. "SnB Collaborative Visualization", Proceedings of 2nd INTUITION International Workshop, Paris, France, 24-25 Nov 2005.
- Stuart C. Shapiro, Josephine Anstey, David E. Pape, Trupti Devdas Nayak, Michael Kandefor, Orkan Telhan, "MGLAIR Agents in Virtual and other Graphical Environments", Proceedings of the Twentieth National Conference on Artificial Intelligence (AAAI-05), AAAI Press, Menlo Park, CA, 2005, 1704-1705.
- Stuart C. Shapiro, Josephine Anstey, David E. Pape, Trupti Devdas Nayak, Michael Kandefor, & Orkan Telhan, "The Trial The Trail, Act 3: A Virtual Reality Drama Using Intelligent Agents". In R. Michael Young & John Laird, Eds., Proceedings of the First Annual Artificial Intelligence and Interactive Digital Entertainment Conference (AIIDE-05), AAAI Press, Menlo Park, CA, 2005, 157-158.
- Margaret Dolinsky, Josephine Anstey, Dave Pape, Julieta Aguilera, Helen-Nicole Kostis, Daria Tsouipikova. "Collaborative Virtual Environments Art Exhibition", Stereoscopic Displays and Virtual Reality Systems XII, Proceedings of SPIE-IS&T Electronic Imaging, SPIE Vol. 5664, January 2005, 641-652.
- Josephine Anstey, Dave Pape, Stuart C. Shapiro, Orkan Telhan and Trupti Devdas Nayak, "Psycho-Drama in VR," Proceedings of The Fourth Conference on Computation Semiotics (COSIGN 2004), Split, Croatia, September, 2004.
- Josephine Anstey, Dave Pape, Stuart Shapiro, Vikranth Rao. "Virtual Drama with Intelligent Agents", Ninth International Conference on Virtual Systems and MultiMedia, Montreal, Quebec, Canada, October 15-17, 2003.
- Dave Pape, Josephine Anstey, "Falling Over You", Artists' Sketches, SIGGRAPH 2003, San Diego, CA, 29 July 2003.
- David A. Fineberg, T. Kesavadas, Dave Pape. "Development of an Interactive Teaching System Based on Motion Synchrony Between Physical and Virtual Models", *Medicine Meets Virtual Reality 11*, Newport Beach, CA, 22-25 January 2003.
- Josephine Anstey, Dave Pape. "Scripting the Interactor: An Approach to VR Drama", *Creativity and Cognition* 4, Loughborough, UK, 13-16 October 2002.
- Dave Pape, Dan Sandin. "Alive on the Grid", *SCI 2002 - 6th World Multiconference on Systemics, Cybernetics and Informatics*, Orlando, FL, 14-18 July 2002, 485-490.
- Dave Pape, Josephine Anstey, Greg Dawe. "A Low-Cost Projection Based Virtual Reality Display", *The Engineering Reality of Virtual Reality, SPIE Stereoscopic Displays and Applications 2002*, San Jose, CA, 24 January 2002, 483-491.
- Josephine Anstey, Dave Pape. "The Provoking Thing: A VR Relationship", *Emotional and Intelligent II, AAAI 2001 Fall Symposium*, North Falmouth, Massachusetts, 2-4 November 2001.
- Dave Pape, Josephine Anstey, Bryan Carter, Jason Leigh, Maria Roussou, Tim Portlock. "Virtual Heritage at iGrid 2000", Proceedings of INET 2001, Stockholm, Sweden, 5-8 June 2001.
- Dave Pape, Josephine Anstey, Sarita D'Souza, Tom DeFanti, Maria Roussou, Athanasios Gaitatzes. "Shared Miletus: Towards a Networked Virtual History Museum", Proceedings of the International Conference on Augmented, Virtual Environments and Three-Dimensional Imaging (ICAV3D), Mykonos, Greece, 30 May - 1 June 2001.
- Josephine Anstey, Dave Pape. "Being There: Interactive Fiction in Virtual Reality", *Consciousness Reframed 3*. Newport, Wales, UK, 24-26 August 2000.
- Dave Pape, Dan Sandin. "Quality Evaluation of Projection-Based VR Displays", 4th International Immersive Projection Technology Workshop. Ames, Iowa, 19-20 June 2000.
- Ding He, Fuhu Liu, Dave Pape, Greg Dawe, Dan Sandin. "Video-Based Measurement of Tracker Latency", 4th International Immersive Projection Technology Workshop. Ames, Iowa, 19-20 June 2000.
- Andrew Johnson, Dan Sandin, Greg Dawe, Dave Pape, Zhongwei Qiu, Samroeng Thongrong, Dana Plepys. "Developing the PARIS: Using the CAVE to Prototype a New VR Display", 4th International Immersive Projection Technology Workshop. Ames, Iowa, 19-20 June 2000.
- Josephine Anstey, Dave Pape, Dan Sandin. "The Thing Growing: Autonomous Characters in Virtual Reality Interactive Fiction", Proceedings of IEEE Virtual Reality 2000, New Brunswick, NJ, 18-22 March 2000.
- Josephine Anstey, Dave Pape, Dan Sandin. "Building a VR Narrative", Proceedings of SPIE Vol 3957 Stereoscopic Displays and Virtual Reality Systems VII (The Engineering

Reality of Virtual Reality 2000), San Jose, CA, 28 January 2000.

- Tomoko Imai, Andrew E. Johnson, Jason Leigh, David E. Pape, Thomas A. DeFanti. "Supporting Transoceanic Collaborations in Virtual Environment", Asia-Pacific Conference on Communications / OptoElectronics and Communications Conference (APCC/OECC) '99, Beijing, China, 18-22 October 1999, pp 1059-1062.
- Tom DeFanti, Dan Sandin, Maxine Brown, Dave Pape, Josephine Anstey, Mike Bogucki, Greg Dawe, Andy Johnson, Thomas S. Huang. "Technologies for Virtual Reality/ Tele-Immersion Applications: Issues of Research in Image Display and Global Networking", EC/NSF Workshop on Research Frontiers in Virtual Environments and Human-Centered Computing. Chateau de Bonas, France, 1 - 4 June 1999. (proceedings published as Frontiers of Human-Centred Computing, Online Communities and Virtual Environments, Rae Earnshaw, Richard Guedj, Andries van Dam and John Vince (editors), Springer-Verlag, London, 2001.)
- Dave Pape, Josephine Anstey, Mike Bogucki, Greg Dawe, Tom DeFanti, Andy Johnson, Dan Sandin. "The ImmersaDesk3 - Experiences With A Flat Panel Display for Virtual Reality", 3rd International Immersive Projection Technology Workshop. Stuttgart, Germany, 10 - 11 May 1999.
- Tomoko Imai, Andrew E. Johnson, Jason Leigh, David E. Pape, Thomas A. DeFanti. "The Virtual Mail System", IEEE Virtual Reality '99, Houston, TX, March 13 - 17, 1999.
- Dave Pape, Dan Sandin, Tom DeFanti. "Transparently Supporting a Wide Range of VR & Stereoscopic Display Devices", Proceedings of SPIE Vol. 3639 Stereoscopic Displays and Virtual Reality Systems VI (The Engineering Reality of Virtual Reality 1999), San Jose, CA, Jan 28, 1999.
- Dave Pape, Tomoko Imai, Josephine Anstey, Maria Roussou, Tom DeFanti, "XP: An Authoring System for Immersive Art Exhibitions", Proceedings Fourth International Conference on Virtual Systems and Multimedia, Gifu, Japan, Nov 18-20, 1998.
- M. S. Krishnamoorthy, F. Oxaal, U. Dogrusoz, D. Pape, A. Robayo, R. Koyanagi, Y. Hsu, D. Hollinger, A. Hashmi. "GraphPack: Design and features." Software Visualization, P. Eades and K. Zhang, eds. World Scientific, 1996.
- M. S. Krishnamoorthy, F. Oxaal, U. Dogrusoz, D. Pape, A. Robayo, R. Koyanagi, Y. Hsu, D. Hollinger, and A. Hashimi. "Further improvements to GraphPack." Graph Drawing '94 Poster Gallery, DIMACS Workshop on Graph Drawing, Princeton, New Jersey, USA, October 10-12, 1994.

Scholarly electronic publications

- Josephine Anstey, Sarah Bay-Cheng, Dave Pape, Stuart C. Shapiro. "Human Trials: An Experiment in Intermedia Performance", ACM Computers in Entertainment, Vol. 5, No. 3, Jul/Sep 2007. <http://www.acm.org/pubs/cie.html>

Video tapes

- Julie Zando, "The Apparent Trap", 1999 (production crew member)
- United States Geological Survey, "National Spatial Data Infrastructure" (contributed various animations)
- NASA / Goddard Space Flight Center, "Images of Earth and Space: The Role of Visualization in NASA Science" (contributed various animations)
- Carolina Cruz-Neira, Dave Pape, "The CAVE Simulator: Software Simulation for Virtual Reality Development", IEEE Virtual Reality Annual International Symposium '95
- Dave Pape, "Hawaii Flyby", JASON Project - JASON VI: Island Earth, Feb 1995
- Dave Pape, Gene Feldman, "Plunge: Ocean Planet Flyby", Ocean Planet, National Museum of Natural History, Washington DC, 1995-1996
- NASA Earth Observing System, "Earth: A New Perspective", 1993 (animator)
- Dave Pape, Gene Feldman, "Ozone '91", 1993
- Dave Pape, "Massively Parallel Computation at NASA Goddard", Supercomputing '92
- Dave Pape, Mike Hollis, John Dorband, "Hubble Space Telescope: Image Deblurring With a Parallel Computer", 1992
- Dave Pape, "World at Night", 1992 Earth Summit

Invited talks

- "Electronic Visualization Seminar", University of Illinois at Chicago, Chicago, IL, 25 February 2004.
- "Kites Flying In and Out of Space" artists' technical presentations, Nicephore Days, Chalon sur Saone, France, 20 November 2003.
- "Virtual Reality at Work & Play", Vassar College, Poughkeepsie, NY, 12 September 2003.
- "Immersive Virtual Reality", Vassar College, Poughkeepsie, NY, 22 November 2002.
- "EVL: Alive on the Grid", Ars Electronica Festival - Pixel Spaces: Behind the Scenes symposium, Linz, Austria, 3 September 2001.
- "The Future of CAVE" Symposium, NTT InterCommunication Center, Tokyo, Japan, 24 June 2001.
- "Adapting the CAVElib", NCSA Advanced CAVE Workshop, Norfolk, Virginia, 17-19 October 2000.
- "Adapting the CAVElib", NCSA Advanced CAVE Workshop, Ann Arbor, Michigan, 15-17 August 2000.
- "Art in the CAVE", Mediartech '99 Virtuality & Interactivity II, Florence, Italy, 29 May 1999.
- "The Future of Virtual Reality Technology" panel, PDC Annual Conference 1998, Stockholm, Sweden, 17 December 1998.
- "VR for Interactive Art and Narrative", PDC Annual Conference 1998, Stockholm, Sweden, 18 December 1998.
- "CAVE @ ARS: Special Interest Group on HighEnd VR Systems" workshop, Linz, Austria, 16 September 1998.
- "Programming the CAVE", NCSA Visual Supercomputing Institute, Urbana, Illinois, July 21-24 1997.
- "Walking in Cyberspace", Ars Electronica Festival workshop, Linz, Austria, September 1996.
- "Programming the CAVE", NCSA/SGI Visual Supercomputing Institute, Urbana, Illinois, June 1996.
- "Virtual Reality", Expositim '94, Torreón, Mexico, Oct. 1994.
- "The CAVE Library", CAVE Virtual Reality Theater Developer's Workshop, NCSA, Urbana, Illinois, March 1994.

Conference talks

- "What's 'Good Enough'? - Some Experiments with Projected VR Quality", Engineering Reality of Virtual Reality, San Jose, CA, 20 January 2005.
- "Commodity-Based Projection VR", SIGGRAPH 2004 course, Los Angeles, CA, 9 August 2004.
- "Building an Affordable Projective, Immersive Display", Educators' Program workshop, SIGGRAPH 2002, San Antonio, Texas, 22 July 2002.
- "Building Immersive Environments", MCN/CIMI 2001 Conference workshop, Cincinnati, Ohio, 24 October 2001.
- "Working in the CAVE Environment" panel, Immersive Projection Technology Workshop, Ames, Iowa, 11-12 May 1998.

Permanent collections

- "PAAPAB", collection of Ars Electronica Center, Linz Austria
- "Historiae Naturalis", collection of Ars Electronica Center, Linz Austria
- "Vandalism", collection of Ars Electronica Center, Linz Austria
- "Crayoland", collection of Ars Electronica Center, Linz Austria
- "Multi-MegaBook in the CAVE", collection of Ars Electronica Center, Linz Austria

Exhibits

- "Office Diva", ACM DIMEA 2008, Athens Greece, Sep 2008
- "Office Diva", Art Taipei, Taipei Taiwan, Sep 2008
- "Office Diva", FILE 2008, Sao Paulo Brazil, Aug 2008
- "Office Diva", Artists & Models: Unhinged, Buffalo Central Terminal, Buffalo NY, May 2008
- "Mega-Spacewar", Artists & Models: Unhinged, Buffalo Central Terminal, Buffalo NY, May 2008
- "Crayoland: Dreamscape", Brain: The World Inside Your Head, Louisville Science Center, Louisville KY, Feb-May 2008
- "Crayoland: Dreamscape", Brain: The World Inside Your Head, Bishop Museum, Honolulu HI, Oct 2007-Jan 2008
- "Uranographia", Artists & Models: Nocturnal, Buffalo Central Terminal, Buffalo NY, Jun 2007
- "Crayoland: Dreamscape", Brain: The World Inside Your Head, Mid-America Science Museum, Hot Springs AR, May-Sep 2007
- "Crayoland: Dreamscape", Brain: The World Inside Your Head, McGovern Museum of Health & Medical Science, Houston TX, Jan-May 2007
- "Crayoland: Dreamscape", Brain: The World Inside Your Head, Kalamazoo Valley Museum, Sep 2006 - Jan 2007

- "Art Flying In and Out of Space 2", Buffalo Infringement Festival, Buffalo NY, Aug 2006
- "Crayoland: Dreamscape", Brain: The World Inside Your Head, Pink Palace Museum, Memphis TN, May-Sep 2006
- "Crayoland: Dreamscape", Brain: The World Inside Your Head, North Carolina Museum of Natural Sciences, Raleigh NC, Jan-May 2006
- "It's a Wonderful Property", Resolutions '06, Buffalo NY, Jan 2006
- "Art Flying In and Out of Space 2", Virtuality 2005, Turin Italy, Nov 2005
- "A Bit of Handwaving", Virtuality 2005, Turin Italy, Nov 2005
- "The Trial The Trail", Virtuality 2005, Turin Italy, Nov 2005
- "PAAPAB", Virtuality 2005, Turin Italy, Nov 2005
- "Crayoland: Dreamscape", Brain: The World Inside Your Head, The Science Place, Dallas TX, Oct 2005 - Jan 2006
- "Multi-Mega Book in the CAVE", Market of Trajan, Rome Italy, Sep-Nov 2005
- "A Bit of Handwaving", Buffalo Infringement Festival, Buffalo NY, Aug 2005
- "The Trial The Trail", Buffalo Infringement Festival, Buffalo NY, Aug 2005
- "The Thing Growing", Buffalo Infringement Festival, Buffalo NY, Aug 2005
- "Crayoland", Buffalo Infringement Festival, Buffalo NY, Aug 2005
- "Art Flying In and Out of Space", New Art Volant, Zone:Chelsea, New York NY, May-Jun 2005
- "Crayoland: Dreamscape", Brain: The World Inside Your Head, Museum of Science, Boston MA, May-Sep 2005
- "PAAPAB", Engineering Reality of Virtual Reality, San Jose CA, Jan 2005
- "Kites Flying In and Out of Space", Engineering Reality of Virtual Reality, San Jose CA, Jan 2005
- "Crayoland: Dreamscape", Brain: The World Inside Your Head, Museo Tecnologico, Mexico City Mexico, Oct 2004 - May 2005
- "PAAPAB", 7th Symposium on Virtual Reality, Sao Paulo Brazil, Oct 2004
- "Kites Flying In and Out of Space", 7th Symposium on Virtual Reality, Sao Paulo Brazil, Oct 2004
- "Crayoland: Dreamscape", Brain: The World Inside Your Head, Union Station Science City, Kansas City MO, May-Sep 2004
- "The Trial The Trail", Networks, Art, and Collaboration; Buffalo NY, Apr 2004
- "PAAPAB", Networks, Art, and Collaboration; Buffalo NY, Apr 2004
- "PAAPAB", Engineering Reality of Virtual Reality, San Jose CA, Jan 2004
- "Crayoland: Dreamscape", Brain: The World Inside Your Head, St. Louis Science Center, St. Louis MO, Jan-May 2004
- "Crayoland: Dreamscape", Brain: The World Inside Your Head, Detroit Science Center, Detroit MI, Sep 2003 - Jan 2004
- "Kites Flying In and Out of Space", Nicephore Days, Chalon-sur-Saone France, Nov 2003
- "The Trial The Trail", Hallwalls Contemporary Art Center, Buffalo NY, Jun 2003
- "The Thing Growing", Hallwalls Contemporary Art Center, Buffalo NY, Jun 2003
- "Crayoland", Hallwalls Contemporary Art Center, Buffalo NY, Jun 2003
- "PAAPAB", Hallwalls Contemporary Art Center, Buffalo NY, Jun 2003
- "Crayoland: Dreamscape", Brain: The World Inside Your Head, NY Hall of Sciences, New York NY, May-Sep 2003
- "Theatrum Orbis Terrarum", Depth Cues, Buffalo NY, Apr 2003
- "PAAPAB", Stockholm ArtFair, Stockholm Sweden, Mar 2003
- "Falling Over You", Albright Knox Art Gallery, Buffalo NY, Feb-Apr 2003
- "PAAPAB", en.red.and's III One Day Conference, Barcelona Spain, Jan 2003
- "Crayoland: Dreamscape", Brain: The World Inside Your Head, Indiana State Museum, Indianapolis IN, Jan-May 2003
- "Virtual Harlem", Museum of Science and Technology, Chicago IL, Jan-Mar 2003
- "Crayoland", SciTech Museum, Aurora IL, 2003
- "PAAPAB", Mediaterra 2002, Athens Greece, Dec 2002
- "The Thing Growing", Mediaterra 2002, Athens Greece, Dec 2002
- "Mitologies", Mediaterra 2002, Athens Greece, Dec 2002
- "Crayoland: Dreamscape", Brain: The World Inside Your Head, Great Lakes Science Center, Cleveland OH, Oct 2002 - Jan 2003
- "Multi-Mega Book in the CAVE", Fete de la Science, Paris France, Oct 2002
- "PAAPAB", iGrid 2002, Amsterdam Netherlands, Sep 2002
- "PAAPAB", Hallwalls' Pier Pleasure, Buffalo NY, Jul 2002
- "Crayoland: Dreamscape", Brain: The World Inside Your Head, SciTrek, Atlanta GA, Jun-Sep 2002
- "The Trial The Trail", The Virtual and the Concrete, Buffalo NY, May 2002
- "The Trial The Trail", Crossing [Digital] Boundaries: A Digital Media Symposium, Buffalo NY, Apr 2002
- "Crayoland", Zukunftszentrum Innsbruck opening, Innsbruck Austria, Mar 2002
- "PAAPAB", Immedia 2002, Ann Arbor MI, Feb 2002
- "Crayoland", Singapore Science Center, Singapore, 2002
- "Crayoland: Dreamscape", Brain: The World Inside Your Head, Oregon Museum of Science and Industry, Portland OR, Jan-May 2002
- "PAAPAB", Digital Frontier: The Buffalo Summit, Buffalo NY, Nov 2001
- "The Thing Growing", Digital Frontier: The Buffalo Summit, Buffalo NY, Nov 2001
- "PAAPAB", Chicago Artists' Month - Alternate Currents, Chicago IL, Oct 2001
- "PAAPAB", Ars Electronica Festival, Linz Austria, Sep 2001
- "Crayoland: Dreamscape", Brain: The World Inside Your Head, Smithsonian Institution, Washington DC, Jul 2001 - Jan 2002
- "The Thing Growing", NTT InterCommunication Center, Tokyo Japan, Jun-Jul 2001
- "Virtual Harlem", NTT InterCommunication Center, Tokyo Japan, Jun-Jul 2001
- "The Thing Growing", Electronic Visualization Event 5, Chicago IL, Mar 2001
- "The Thing Growing", Immedia 1901, Ann Arbor MI, Feb 2001
- "Virtual Harlem", Marketing Opportunites in Black Entertainment, Chicago IL, Sep 2000
- "Crayoland", Illinois State Fair: Tech Town, Springfield IL, Aug 2000
- "Shared Miletus", iGrid 2000, Yokohama Japan, Jul 2000
- "Virtual Harlem", iGrid 2000, Yokohama Japan, Jul 2000
- "The Thing Growing", Santa Fe Art Institute, Santa Fe NM, Apr 2000
- "The Thing Growing", Electronic Visualization Laboratory, Chicago IL, Mar 2000
- "The Thing Growing", Athens School of Fine Arts Multi-Media Seminar, Spring 2000
- "Multi-Mega Book in the CAVE", Mediaterra '99, Athens Greece, Dec 1999
- "Mitologies", Mediaterra '99, Athens Greece, Dec 1999
- "Crayoland", EDUCAUSE National Meeting, Long Beach CA, Oct 1999
- "Historiae Naturalis", Ars Electronica Festival, Linz Austria, Sep 1999
- "The Thing Growing", Ars Electronica Festival, Linz Austria, Sep 1999
- "Historiae Naturalis", Siggraph '99 Electronic Schoolhouse, Los Angeles CA, Aug 1999
- "The Thing Growing", Siggraph '99 Electronic Schoolhouse, Los Angeles CA, Aug 1999
- "The Thing Growing", Mediatech '99 Virtuality & Interactivity II, Florence Italy, May 1999
- "Multi-Mega Book in the CAVE", Mediatech '99 Virtuality & Interactivity II, Florence Italy, May 1999
- "Historiae Naturalis", Ukrainian Institute of Modern Art, Chicago IL, May 1999
- "The Thing Growing", Ukrainian Institute of Modern Art, Chicago IL, May 1999

- "The Thing Growing", Digital Salon, New York NY, Nov 1998
- "Multi-Mega Book in the CAVE", Art Futura, Seville Spain, Oct 1998
- "Mitologies", Art Futura, Seville Spain, Oct 1998
- "Mitologies", Ars Electronica, Linz Austria, Sep 1998
- "The Thing Growing", Siggraph '98 Digital Pavilions, Orlando FL, Jul 1998
- "Mitologies", Siggraph '98 Digital Pavilions, Orlando FL, Jul 1998
- "The Thing Growing", Electronic Fields, Chicago IL, Jul 1998
- "Chicago Mercantile Exchange", Internet 2 Spring Members Meeting, Washington DC, Apr 1998
- "The Thing Growing", Walker Art Center, Minneapolis MN, Apr 1998
- "Multi-Mega Book in the CAVE", Mediartech '98 Virtuality & Interactivity, Florence Italy, Mar 1998
- "Mitologies", Mediartech '98 Virtuality & Interactivity, Florence Italy, Mar 1998
- "Multi-Mega Book in the CAVE", Imagina, Monte Carlo, Mar 1998
- "Chicago Mercantile Exchange", Illinois Technology Leadership Workshop, Chicago IL, Jan 1998
- "Siemens Mobile Workshop", Global Village, Vienna Austria, 1998
- "Mitologies", ThinkQuest, Washington DC, Nov 1997
- "Siemens Mobile Workshop", Siemens Conference & 150th Anniversary Expo, Berlin Germany, Oct 1997
- "Multi-Mega Book in the CAVE", Art Futura, Madrid Spain, Oct 1997
- "Multi-Mega Book in the CAVE", ISEA, Chicago IL, Sep 1997
- "Mitologies", ISEA, Chicago IL, Sep 1997
- "Multi-Mega Book in the CAVE", Ars Electronica, Linz Austria, Sep 1997
- "Multi-Mega Book in the CAVE", Siggraph '97 Electric Garden, Los Angeles CA, Aug 1997
- "Vandalism", Total Museum Conference '96, Chicago IL, Oct 1996
- "Vandalism", Ars Electronica Festival, Linz Austria, Sep 1996
- "Vandalism", Siggraph '96 Digital Bayou & The Bridge, Aug 1996
- "Crayoland", South African Computer Faire & Bexa, Johannesburg South Africa, May 1996
- "Crayoland", Electronic Visualization Event 4, Chicago IL, May 1995
- "JASON IV Real-Time Visualization", Siggraph '94 VROOM, Orlando FL, Jul 1994

Performances

- "WoyUbu: Intermedia Reading", Buffalo Infringement Festival, Buffalo NY, Jul 2008
- "DIY Divas", Buffalo Infringement Festival, Buffalo NY, Jul 2007
- "365 Days / 365 Plays: Week 24", University at Buffalo Department of Media Study, Buffalo NY, Apr 2007
- "Human Trials", University at Buffalo Art Gallery, Buffalo NY, Feb 2007
- "Bitter Bitter is the Pill", Squeaky Wheel Love & Sex Show, Buffalo NY, Feb 2007
- "Human Trials", BIOS - The Poetics of Life in Digital Media, Morgantown WV, Sep 2006
- "Human Trials", Buffalo Infringement Festival, Buffalo NY, Aug 2006
- "Human Trials", E-Poetry Symposium 2006, Buffalo NY, Apr 2006
- "Human Trials", Resolutions '06, Buffalo NY, Jan 2006