

January 2010

## CURRICULUM VITA

**Michael Naimark**  
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[www.naimark.net](http://www.naimark.net)

### Interests

Art and science: presence and abstraction, new media and interactivity, funding models.  
Place representation: field cinematography, image-based modeling, immersive virtual environments.  
Consequences: virtual travel and tourism, cultural geography, globalization.

### Born

1952, Detroit, MI  
US Citizen

### Education

M.S., Visual Studies and Environmental Art, Massachusetts Institute of Technology, 1979  
B.S., Cybernetic Systems (independent major, with high distinction and high honors), University of Michigan, 1974

### Professional Experience

2004-present: Interactive Media Division, School of Cinematic Arts, University of Southern California  
2006-present: Research Associate Professor (2009 – Spring 2010 on Leave of Absence)  
2004-6: Visiting Associate Professor

2009: Project Director, "80+1: A Journey Around the World", an EU Culture Capital project 2009 produced by Ars Electronica, Linz, Austria

2001-2004: Media Artist and Researcher (self-employed)  
2004: Ars Electronica Festival, Linz, AUSTRIA (guest curator, 25th anniversary symposium)  
2004: Columbia University School of the Arts (consultant for the art and technology strategic plan)  
2002-03: Rockefeller Foundation and Leonardo/ISAST, New York (director, "arts lab" feasibility study)

1992-2001: Member of the Research Staff, Interval Research Corporation, Palo Alto  
One of first 15 employees  
Founding Member, Intellectual Property Committee  
Co-Chair, Publications Committee  
Project Coordinator, "Immersion" and "New Media" projects  
Lead Inventor, 6 patent applications (all allowed)  
Initiator, Kundi.com, a spinoff venture

1980-1992: Media Artist and Researcher (self-employed)  
1980-81, 1991-92: MIT Media Lab (consultant)  
1987-90: Apple Multimedia Lab (consultant)  
1986-90: Lucasfilm (consultant)  
1985-86: Panavision (consultant)  
1982-84: Atari Research Lab (consultant)

and:

St. Louis Zoo (1989); Technology Center of Silicon Valley, San Jose (1989); City of Karlsruhe ZKM Advisory delegation (1988); Fleet Science Center, San Diego (1988); LA Open School (1988); Museum of Science and Industry, Chicago (1988); Advanced Interaction Inc., San Francisco (1987); Videodisc Publishing, Inc., New York (1987); HOK Associates, St. Louis (1987); Mattel Inc., Hawthorne, CA (1987); Lotus Development Corporation (w/The Future Squad), Cambridge (1987); NY Museum of Modern Art (1986); Advanced Decision Systems, Mountainview, CA (1986); Microsoft Corporation, Seattle (1986); Renan Productions, Los Angeles (1985); SF Museum of Modern Art (1985); Mirror Systems, Cambridge (1985); Lynn Hershman Projects, San Francisco (1984); Realtime Video Productions, San Francisco (1984); Bank of America, San Francisco (1983); Search and Design, San Anselmo (1982); WED Enterprises (Disney Research) (1982), Glendale, CA; Office of the President, National Geographic Society, Washington DC (1981).

## **Visiting and Part-Time Academic Appointments**

2009: New York University  
Adjunct Faculty, "Representing Earth," Interactive Telecommunications Program, Tisch School of the Arts

2004: University of Southern California  
Adjunct Faculty, "Thesis Prep" (first year), Interactive Media Division, School of Cinematic Arts

2004: New York University  
Adjunct Faculty, "History of New Media Arts," Interactive Telecommunications Program, Tisch School of the Arts

1989-1990: San Francisco Art Institute  
1990: Visiting Faculty, "Immersive Virtual Environments," New Genres Department  
1989: Visiting Faculty, "Virtual Environments," New Genres Department

1981-82, 1986-87: San Francisco State University  
1987: Visiting Faculty, "Interactive Art," School of Creative Arts  
1986: Visiting Faculty, "Media Technology and the Arts," School of Creative Arts  
1981-82: Visiting Faculty, "The Arts Today," School of Creative Arts  
1981: Visiting Faculty, "New Media and the Arts," School of Creative Arts

1986: California Institute of the Arts  
Visiting Faculty, "Aesthetics of Interactivity," School of Film/Video

1977-80: Massachusetts Institute of Technology  
1979-80: Research Fellow, Center for Advanced Visual Studies  
1978-79: Technical Instructor (film/video), Architecture Machine Group  
1977: Teaching Assistant, "Creative Seeing," College of Architecture

1972-75: University of Michigan  
1974-75: Instructor (video), Residential College and Department of Geography  
1972-75: Instructor (and co-founder), Future Worlds Program, College of Literature, Science, and Arts

## **Artist Residencies**

2005: "(Re)Presenting Place," Art Center College of Design, Pasadena

2001-2: Institute of Advanced Media Arts and Sciences (IAMAS), Gifu, JAPAN

1993: "Art and Virtual Environments," Banff Centre for the Arts, CANADA

1991: "Bioapparatus," Banff Centre for the Arts, CANADA

1990: Zentrum für Kunst und Medientechnologie (ZKM), Karlsruhe, GERMANY

1987: Exploratorium, San Francisco

## **Awards and Acknowledgements**

2007: Recipient, Google Research Award for "Collective Photo Mapping" (with Paul Debevec as secondary recipient)

2002: Recipient, Rockefeller Foundation Creativity & Culture grant, New York (Leonardo/ISAST "arts lab" study)

2002: Recipient, World Technology Award for the Arts, New York

1992: Recipient, First Award (SFAI Immersive Virtual Environments class), Futures Scenario, ACM SigCHI, Monterey

1992: Recipient, Artist Fellowship Program Grant in "New Genres," California Arts Council

1991: Recipient, Artist Grant, Tamarack Foundation, San Rafael, CA

1989: Recipient, Spring Show Award (Virtual Environments class), SF Art Institute

1984: Recipient, First Award, SECA "Film as Art," SF MOMA

1980: Recipient, Media Arts Fellowship, National Endowment for the Arts

1979: Recipient, M.I.T. Council for the Arts Grant

1978: Recipient, M.I.T. Council for the Arts Grant

  

2007: Nominee, Rockefeller Foundation Fellowship, New York

2005: Nominee, Rockefeller Foundation Fellowship, New York

2001: Nominee, World Technology Award for the Arts, London, UK

1998: Nominee, ICC Biennale '99, Tokyo, JAPAN (abstained)

1997: Nominee, Rockefeller Foundation Fellowship, New York (abstained)

1995: Nominee, Chrysler Innovation in Design Award, New York

1994: Nominee, ARTEC '95, Nagoya, JAPAN

## **Professional Activities**

### **Boards and Committees**

2006-2009: Member, Scientific Council of the Ludwig Boltzmann Institute for Media Art Research, Vienna, AUSTRIA

2004-2008: Member, MIT Corporation Visiting Committee, Media Laboratory and Media Arts & Sciences

2002-present: Board of Advisors, International Society of Arts, Science & Technology (ISAST)

2000-2008: Board of Directors, ZeroOne Foundation, Palo Alto

2001-2005: Board of Advisors, Media Lab Europe, Dublin, IRELAND

1993-2007: Editorial Advisory Board, Leonardo Electronic Almanac

1991-2006: Editorial Board, PRESENCE, MIT Press

1990: Steering Committee, Cyberthon Conference, Point Foundation, Sausalito

1985-90: Co-Host, Interactive Video Conference, Whole Earth "Lectronic Link (The WELL), Sausalito

### **Juries**

2008: Juror, Hybrid Art, Ars Electronica, Linz, AUSTRIA

2004: Juror, Tania Trepanier Award, Labyrinth Project, Annenberg Center, USC

1998: Jury Chair, Interactive Art, Ars Electronica, Linz, AUSTRIA  
1997: Juror, Interactive Art, Ars Electronica, Linz, AUSTRIA  
1995: Juror, Interactive Art, Ars Electronica, Linz, AUSTRIA  
1995: Juror, 10/10 Portraits in Cyberspace Artshow, MIT Media Lab  
1994: Juror, Interactive Art, Ars Electronica, Linz, AUSTRIA  
1994: Juror, "NewMediaTopia" Exhibition, Moscow, RUSSIA  
1993: Juror, Siggraph Multimedia Exhibition, Los Angeles  
1988: Juror, San Francisco International Film Festival  
1987: Juror, San Francisco International Film Festival  
1987: Juror, Athens International Video Festival, Athens, OH  
1986: Juror, San Francisco International Film Festival  
1986: Juror, Ann Arbor Film Festival  
1985: Juror, First "Cindy" videodisc award, Assoc of Visual Communicators, San Francisco

#### Miscellanea

2008: International Program Committee, International Symposium of Electronic Art (ISEA), Singapore  
2006: Tenure Reviewer, Interactive Telecommunications Program (ITP), NYU  
2005: Proposal Evaluator, Creative Capital Foundation, New York  
2004: Collaborator, Siggraph '04 Computer Animation Pre-Show (Squid Ball)  
2003: Thesis Reviewer, Comparative Media Studies, MIT  
2003: Demonstrations Program Committee, UbiComp 2003, Seattle (self-withdrawn under protest)  
2002-2004: Board of Advisors, National Art and Technology Network (NATN), The Kitchen, New York  
2000-2002: Board of Advisors, Creative Disturbance, San Francisco/Marseilles, FRANCE  
2000: Advisor, Jewish Museum planning meeting, San Francisco  
1999: Graduates Reviewer, SF Art Institute, New Genres  
1998-2002: Board of Advisors, Coalition of Artists and Life Forms, San Francisco  
1998-2001: Board of Directors, The Lab artists organization, San Francisco  
1997: Thesis Reviewer, MIT Media La  
1996: Papers Reviewer, Symposium for User Interface Software and Technology (UIST), Seattle  
1994: Thesis Reviewer, School of Architecture, UC San Diego  
1993: Guest Co-Editor, Wide Angle, vol. 15, no. 4, December 1993, John Hopkins University Press, Baltimore  
1993: Program Committee, First Virtual Reality Annual International Symposium (VRAIS), IEEE, Seattle  
1993: Nominator, Interactive Media Festival, Los Angeles  
1991: Thesis Reviewer, SF Art Institute, New Genres  
1990: Advisory Group, "Reality on Wheels" VR Exhibition, The Computer Museum, Boston  
1989: Graduates Reviewer, Architecture Dept, Cal College of Arts and Crafts, San Francisco  
1988: Nominator, SECA Video Art Award, SF MOMA  
1987: Project Development Committee, "Anthropology" Television Series, Institute of Human Origins, Berkeley  
1985-90: Co-Host, Interactive Video Conference, Whole Earth "Lectronic Link (The WELL), Sausalito  
1984: Contributing Editor, Video and the Arts (formerly Video Eighties), San Francisco  
1984: Board of Advisors, Twin Palms Gallery, San Francisco  
1984-present: Member, Society for Visual Anthropology, American Anthropological Association, Washington, DC  
1981-present: Subscriber, American Cinematographer magazine

#### Websites

2008-2009: Project Director, "80+1: A Journey Around the World", an EU Culture Capital project 2009 produced by Ars Electronica, Linz, Austria. <http://www.80plus1.org/>

2007-2008: Project Director, "Viewfinder: How to Seamlessly 'Flickrize' Google Earth," A collaboration between the Interactive Media Division and the Institute for Creative Technologies, USC. <http://interactive.usc.edu/viewfinder/>

2001-present: <http://www.naimark.net/>

#### Publications

Naimark, M. (2008). "X"ing the World in 80 Days." Project Director's statement for 80+1: A Global Journey (online).

Naimark, M., Tribe, M. (2006). Academic Art and Technology Wiki (online)

Naimark, M. (2006). Aspen the Verb: Musings on Heritage and Virtuality. *Presence 15.3*

Naimark, M. (2005). Two Unusual Projection Spaces. *Presence 14.5*

Naimark, M. (2005). Be Now Here: an Interactive 3D Panorama. *Proc. 12th International Panorama Conference, IPC International Panorama Council, Bonn, GERMANY*

Fisher S., Anderson S., Ruiz S., Naimark M., Hoberman P., Weinberg R. (2005). "Experiments in Interactive Panoramic Cinema", Stereoscopic Displays and Virtual Reality Systems IX, Woods, A., Bolas, M.T., and Merritt, J. O., Editors, *Proc. SPIE 5664*

Naimark, M. (2004). Addressing Time. Curatorial Statement for the Festival Symposium, *Ars Electronica 2004*, G. Stocker, Editor, Ostfildern-Ruit, GERMANY: Hatje Cantz Verlag

Naimark, M., Sutton, G. (2004). Chronological Age: Ars Electronica's Timeline Project 1979-2003, *Ars Electronica 2004*, G. Stocker, Editor, Ostfildern-Ruit, GERMANY: Hatje Cantz Verlag

Naimark, M. (2004). Calculated Risk. Forward for *A Guide to Good Practice in Collaborative Working Methods and New Media Tools Creation*, L. Goodman and K. Milton, Eds., London, UK Arts and Humanities Data Service.

- Naimark, M. (2003). Sensory Anomalies. In *Design Research: Methods and Perspectives*, B. Laurel, Editor, Cambridge, MA: The MIT Press.
- Naimark, M. (2003). Truth, Beauty, Freedom, and Money: Technology-Based Art and the Dynamics of Sustainability. (published on the Arts Lab website: <http://www.artslab.net/>).
- Naimark, M. (2002). Alan Lomax's Multimedia Dream. (published on the Lomax website: [http://www.alan-lomax.com/style\\_globaljukebox.html](http://www.alan-lomax.com/style_globaljukebox.html)).
- Naimark, M. (2002). VR Webcams: Time Artifacts as Positive Features. *ISEA 2002 Proceedings*, Nagoya, JAPAN.
- Naimark, M. (2002). How to Zap a Camera. (self published on [www.naimark.net](http://www.naimark.net)).
- Naimark, M. (2002). Interaction 01 Review. *Diatxt, the critical journal by the Kyoto Art Center, vol. 6*, Kyoto, JAPAN.
- Pilpré A., Sester M., Naimark M., Terrillon J.C., and Niwa Y. (2002). ACCESS: A Video-Based Tracking Spotlight. *VSM '02 Proceedings*, Gyeongju, KOREA.
- Naimark, M. (2001). VR Today. *Leonardo Electronic Almanac, Vol. 9:5*.
- Naimark, M. (2001). VR Today. *Leonardo Electronic Almanac Vol. 9:5*.
- Naimark, M. (2001). Leash Length. *EMERGENCY 1.5*.
- Naimark, M. (2001). Where are the Anthropologists? *Leonardo Electronic Almanac Vol. 9:1*.
- Naimark, M. (2001). Symmetrical Media. *EMERGENCY, 1.4*.
- Naimark, M. (2001). First Word Art/Last Word Art. *FineArtForum vol.15, issue 8*.
- Naimark, M. (2001). Interaction '01. *Leonardo Digital Reviews*.
- Naimark, M. (2001). An Arts Lab. (Open Letter to the Presidio Trust).
- Naimark, M. (2000). Predictions *EMERGENCY 1.1*.
- Naimark, M. (2000). Memorial for Bernard Q. Nietschmann. (self published on [www.naimark.net](http://www.naimark.net)) U C Berkeley Faculty Club.
- Naimark, M. (1999). Art at Interval. (self published on [www.naimark.net](http://www.naimark.net)) Tech Museum of Innovation, San Jose.
- Naimark, M. (1998). Field Recording Techniques for Virtual Reality Applications. *VSM '98 Proceedings*, Gifu, JAPAN.
- Naimark, M. (1998). Place Runs Deep: Virtuality, Place, and Indigenouness. *Virtual Museums Symposium Proceedings*, Arch Foundation, Salzburg, AUSTRIA.
- Naimark, M. (1998). Art School en Provence. *Interval Research Trip Report*, Aix, FRANCE, 11/98.
- Naimark, M. (1998). Virtual Systems and Multimedia (VSM) Conference. *Interval Research Trip Report*, Gifu, JAPAN, 11/98
- Naimark, M. (1998). World's First Interactive Filmmaker. *Interval Research Trip Report*, Prague, CZECH, 5/98.
- Naimark, M. (1998). Prix Ars Electronica Jury. *Interval Research Trip Report*, Linz, AUSTRIA, 5/98.
- Naimark, M. (1997). Art ("and" or "versus") Technology: Some Personal Observations. In C. Sommerer (Ed.), *Art@Science*. Vienna and NY: Springer Press.
- Naimark, M. (1997). A 3D Moviemap and a 3D Panorama. *SPIE Proceedings Vol. 3012*, San Jose.
- Naimark, M. (1997). What's Wrong with this Picture: Presence and Abstraction in the Age of Cyberspace. *Consciousness Reframed Proceedings*, CAiiA, University of Wales, Newport, WALES.
- Naimark, M. (1997). Interactive Art: Maybe it's a Bad Idea. In H. Leopoldseder, C. Schopf (Eds.), *Cyberarts, International Compendium Prix Ars Electronica*. Vienna and NY: Springer Press.
- Naimark, M. (1997). ZKM Opening. *Interval Research Trip Report*, Karlsruhe, GERMANY, 10/97.
- Naimark, M. (1996). Field Recording Studies. In M.A. Moser (Ed.), *Immersed in Technology*. Cambridge, MA: MIT Press.
- Naimark, M. (1996). Be Now Here. *Leonardo Electronic Almanac, vol. 4, no. 1*.
- Naimark, M. (1996). (untitled talk), *NewMediaLogia Symposium Proceedings*, Soros Center for Contemporary Art, Moscow, RUSSIA.
- Naimark, M. (1996). Gifu Update. *Interval Research Trip Report*, Gifu, JAPAN, 5/96.
- Naimark, M. (1996). ATR Science ART: International Symposium on Art and Science. *Interval Research Trip Report*, Kyoto, JAPAN, 5/96.
- Naimark, M. (1995). New Media International Symposium, Moscow. *Leonardo Electronic Almanac, vol. 3, no. 2*.
- Naimark, M. (1995). EXCAVATION AREA: A Virtual Gallery of Archaeological Art" (Japanese). *InterCommunication (NTT) No. 14*, Tokyo, JAPAN.
- Naimark, M. (1995). Art, Artifacts, and Presence. *Oksnoen '95 Proceedings*, Oksnoen, NORWAY.
- Naimark, M. (1995). Be Now Here Dispatches. *Interval Research Trip Report*, Jerusalem, ISRAEL; Dubrovnik CROATIA; Timbuktu, MALI; Angkor, CAMBODIA, 10/95.
- Naimark, M. (1995). Interaction '95 Artshow. *Interval Research Trip Report*, Gifu, JAPAN, 7/95.
- Naimark, M. (1994). Interactive Art and the Myth of Everything-ness. *Ars Electronica catalog*. Linz, AUSTRIA.
- Naimark, M. (1994). New Media International Symposium. *Interval Research Trip Report*, Moscow, RUSSIA, 11/94.
- Naimark, M. (1994). Digital Expression Symposium, MIT Media Lab. *Digital Research Trip Report*, Cambridge, 10/94.
- Naimark, M. (1994). UNESCO III. *Interval Research Trip Report*, Paris, FRANCE, 9/94.
- Naimark, M. (1994). International Symposium on Electronic Art (ISEA). *Interval Research Trip Report*, Helsinki, FINLAND, 9/94.
- Naimark, M. (1994). New Media for New Museums First International Retreat. *Interval Research Trip Report*, Ferrara, Bologna, ITALY, 5/94.
- Naimark, M. (1994). Artclass, Universities of Paris. *Interval Research Trip Report*, Paris, FRANCE, 3/94.
- Naimark, M. (1993). Presence at the Interface: Sense of Place/Essence of Place. *Wide Angle, vol. 15, no. 4*.
- Naimark, M. (1993). Prasenz bei Interface" (German), *Interface II Proceedings*, Verlag Hans-Bredow, Hamburg, GERMANY
- Naimark, M. (1993). Alan Lomax Meeting. *Interval Research Trip Report*, New York, 11/93.

- Naimark, M. (1993). ZKM MultiMediale 3. *Interval Research Trip Report*, Karlsruhe, GERMANY, 11/93.
- Naimark, M. (1993). UNESCO II. *Interval Research Trip Report*, Paris, FRANCE, 11/93.
- Naimark, M. (1993). Elk Update. *Interval Research Trip Report*, Banff, CANADA, 10/93.
- Naimark, M. (1993). Beaux-Arts Conference, *Interval Research Trip Report*, Paris, FRANCE, 6/93.
- Naimark, M. (1993). National Association of Broadcasters (NAB) Convention. *Interval Research Trip Report*, Las Vegas, 4/93.
- Naimark, M. (1993). UNESCO. *Interval Research Trip Report*, Paris, FRANCE, 2/93.
- Naimark, M. (1993). Interface II Conference. *Interval Research Trip Report*, Hamburg, GERMANY, 2/93.
- Naimark, M. (1992). Expo '92 Seville. *Presence*, vol. 1, no. 3.
- Robinett, W., Naimark, M. (1992). Artists Explore Virtual Reality: The Bioapparatus Residency at the Banff Centre for the Arts. *Presence*, vol. 1, no. 2.
- Naimark, M. (1992). Multimedia and Public Space. *Apple Multimedia Lab Technical Report*.
- Naimark, M. (1992). International Association of Amusement Parks and Attractions (IAAPA) Convention. *Interval Research Trip Report*, Dallas, 12/92.
- Naimark, M. (1992). CyberArts Conference. *Interval Research Trip Report*, Pasadena, 11/92.
- Naimark, M. (1992). Spy Stores. *Interval Research Trip Report*, New York, 11/92.
- Naimark, M. (1992). EXPO '92 Seville Report. *Movies of the Future Newsletter*, MIT Media Lab.
- Naimark, M. (1991). Elements of Realspace Imaging: a Proposed Taxonomy. *SPIE Proceedings*, Vol. 1457, San Jose.
- Naimark, M. (1991). Elements of Realspace Imaging: a Proposed Taxonomy. *First Moscow International Workshop on Human-Computer Interaction Proceedings*, International Centre for Scientific and Technical Information, Moscow, USSR.
- Naimark, M. (1991). Elements of Realspace Imaging. *Apple Multimedia Lab Technical Report*.
- Naimark, M. (1991). VBK - A Moviemap of Karlsruhe. *Tomorrow's Realities catalog*, Siggraph, Las Vegas.
- Naimark, M. (1991). EAT - A Virtual Dining Environment. *Tomorrow's Realities catalog*, Siggraph, Las Vegas.
- Naimark, M. (1991). Moviemap Basics. *MultiMediale II catalog*, Zentrum für Kunst und Medientechnologie (ZKM), Karlsruhe, GERMANY.
- Naimark, M. (1991). Abstraction and Artifacts in Cyberspace: Getting Real (abstract). *The Second International Conference on Cyberspace*, Center for Cultural Studies, UC Santa Cruz.
- Naimark, M. (1991). Multimedia '91 Tokyo Report. *Movies of the Future Newsletter*, MIT Media Lab.
- Naimark, M. (1991). Moscow HCI Report. *Movies of the Future Newsletter*, MIT Media Lab.
- Naimark, M. (1991). Interactive Multimedia Developer's Forum Report. *Movies of the Future Newsletter*, MIT Media Lab.
- Naimark, M. (1991). Human Interface Technology Lab Opens. *Movies of the Future Newsletter*, MIT Media Lab.
- Naimark, M. (1990). Realness and Interactivity. In B. Laurel (Ed.), *The Art of Human Computer Interface Design*. NY: Addison Wesley.
- Naimark, M. (1990). Interface and New Interactive Systems Panel, B. Laurel (Chair). *Siggraph '90 Panel Proceedings*, Dallas.
- Naimark, M. (1989). The Question Machine. *Whole Earth Review*, no. 65.
- Naimark, M. (1989). Shooting for Interactivity (abstract). *SMPTE conference proceedings*, Los Angeles.
- Naimark, M. (1989). Media Glasses, Media Windows and Media Doors. *Kanagawa International Art and Science Exhibition catalog*, JAPAN.
- Naimark, M. (1988). Videodisc Basics. *Apple Multimedia Lab Technical Report*.
- Naimark, M. (1988). Videodisc Production of the Visual Almanac. *Apple Multimedia Lab Technical Report*.
- Naimark, M. (1984). Spatial Correspondence in Motion Picture Display. *SPIE Proceedings*, vol. 462, *Optics and Entertainment*, Los Angeles.
- Naimark, M. (1984). Saving the First World," *Send Magazine*, San Francisco International Video Festival.
- Naimark, M. (1982). The Optical Videodisc and New Media Forms. *Video 80*, San Francisco International Video Festival.
- Naimark, M. (1982). Motion Resolution (letter to editor) *American Cinematographer*, August.
- Naimark, M. (1981). Some Notes on Movies and Form. *Video 80*, San Francisco International Video Festival.
- Naimark, M. (1979). Spatial Correspondence. MS Visual Studies master's thesis, Massachusetts Institute of Technology, 1979.
- Video**
- Naimark, M. (1997). Alan Lomax' Global Jukebox Project. Video (Producer). Interval Research Corporation for the Association for Cultural Equity, Hunter College, New York.
- Naimark, M. (1989). The Visual Almanac. Interactive Videodisc (Director of Production). Apple Multimedia Lab, San Francisco.
- Naimark, M. (1986). GTV. Interactive Videodisc (Director of Post Production). Apple Computer, Lucasfilm, National Geographic Society, San Francisco.
- Naimark, M. (1984). Siggraph '84 Timelapse. Video (Producer/Director), ACM Siggraph, Minneapolis.

Naimark, M. (1984). Illustration Library Workstation. Video (Director). Atari Research for the National Geographic Society, Sunnyvale.

### **U.S. Patents Allowed**

Naimark, M., Bergman, A., Weil, E., Moresco, I., Faieta, B. (2004). Alerting users to items of current interest. US Patent 6757682 (from Kundi.com).

Naimark, M., Bergman, A., Weil, E., Moresco, I., Faieta, B. (2004). Normalizing a measure of the level of current interest of an item accessible via a network. US Patent 6721744 (from Kundi.com).

Naimark, M., Bergman, A., Weil, E., Moresco, I., Faieta, B. (2003). Quantifying the level of interest of an item of current interest. US Patent 6556989 (from Kundi.com).

Naimark, M., Adams, R.L., Alkire, R.D., Dohrmann, C., Gessel, D.J., Saunders, S.E. (2000). Input device for controlling a video display, incorporating content-based haptic feedback. US Patent 6075967 (from "See Banff" art project).

Naimark, M., Adams, R.L., Alkire, R.D., Dohrmann, C., Gessel, D.J., Saunders, S.E. (1998). Input device and method for interacting with motion pictures incorporating content-based haptic feedback. US Patent 5816823 (from "See Banff" art project).

Naimark, M., Felsenstein, L. (1997). Panoramic display with stationary display device and rotating support structure. US Patent 5601353 (from Be Now Here art project).

Naimark, M., Carson, K.M. (1993). Content addressable video system for image display. US Patent 5270694 (from Golden Gate art project).

Naimark, M., Carson, K.M. (1993). Content addressable video system for image display. US Patent 5189402 (from Golden Gate art project).

Naimark, M., Carson, K.M. (1989). Position-dependent interactivity system for image display. US Patent 4857902 (from Golden Gate art project).

### **U.S. Patents Pending (Utility)**

Estimating Pose of Photographic Images in 3D Earth Model Using Human Assistance (via USC).

Source-Based Alert When Streaming Media of Live Event on Computer Network is of Current Interest and Related Feedback (via USC).

Seamless Image Integration Into 3D Models (from Viewfinder) (via USC).

System, method, software arrangement and computer-accessible medium for providing audio and/or visual information (via NYU).

Alerting Users to Items of Current Interest (2) (via Vulcan Ventures / Paul Allen).

### **U.S. Patents Pending (Provisional)**

12/09/09: Modular, Climate-Controlled, Immersive Display.

11/20/09: Movie Tagger: A Method and System for Parsing and Richly Tagging Every Movie Ever Made (via USC).

11/04/09: "Thumb-Frame Generator": A Motion Picture Logging Tool.

09/23/09: Time Binoculars: Seeing different times and events overlaid on actual places from the actual places and online.

08/17/09: Immersive Display for 3D Earth Models.

07/22/09: Providing Real-Time Data For and About Subjects within a Camera's View (via USC).

### **Exhibitions**

#### **Collections**

2000: American Museum of the Moving Image, Queens, NY (See Banff Kinetoscope)

1997: Zentrum für Kunst und Medientechnologie (ZKM), Karlsruhe, GERMANY (Karlsruhe Moviemap)

1987: Exploratorium, San Francisco (Golden Gate Flyover)

#### **Solo Exhibitions**

2005: Alyce de Roulet Williamson Gallery, Center College of Design, Pasadena (6 installations 1977-1997)

2001: Presidio, SF International Film Festival and SF MOMA (Be Now Here)

1995-6: Yerba Buena Center for the Arts, San Francisco (Be Now Here)

1995: Berkeley Art Museum / Pacific Film Archive (See Banff Kinetoscope)

1985-86: Madeleine Metro Station, Paris FRANCE (Paris VideoPlan)

1984: Bruce Velick Gallery, San Francisco (Virtual Object Series)

1984: San Francisco Museum of Modern Art (Displacements)

1980: Center for Advanced Visual Studies (CAVS), MIT (Movie Room)

1978: Dept of Architecture, MIT (Moving Movie Studies and Dome Projections)

### Group Exhibitions

2009: Imaging Media, Zentrum fur Kunst und Medientechnologie (ZKM), Karlsruhe, GERMANY (Karlsruhe Moviemap 09)  
2008: Degrees of Immersion, Helen Lindhurst Gallery, USC Rosky School of Fine Arts (Be Now Here Triptych)  
2006: technoSpheres: FutureS of Thinking, Beall Center for Art and Technology, UC Irving (Fast Cheap GigaPixel Image)  
2006: Sensorium colloquium, USC (Fast Cheap GigaPixel Image)  
2005: The Art Formerly Known As New Media, Walter Phillips Gallery, Banff Centre, Banff, CANADA (See Banff)  
2004: Interactions/Art and Technology, American Museum of the Moving Image, New York (See Banff)  
2003: Future Cinema, Kiasma Museum of Contemporary Art, Helsinki, FINLAND (Be Now Here)  
2002-3: Future Cinema, Zentrum fur Kunst und Medientechnologie (ZKM), Karlsruhe, GERMANY (Be Now Here)  
2002: Navigate @ Art, Automobil Forum Unter den Linden, Berlin, GERMANY (Karlsruhe Moviemap)  
2001: ArtSale 2001, The Lab, San Francisco (sortitout.org)  
2000: ArtSale 2000, The Lab, San Francisco (Predictions)  
1998: Inventing Experience, The Tech Museum of Innovation, San Jose (See Banff and Be Now Here)  
1998: Exploding Cinema, International Film Festival, Rotterdam, NL (Be Now Here)  
1997: Art in the Anchorage, Creative Time, New York (Be Now Here)  
1997: Dallas Video Festival, Dallas Museum of Art (See Banff)  
1997: Best of Dallas Video Festival, LA Film Forum, Los Angeles (compilation video)  
1997: Finding the Fulcrum (Leonardo's 30th Anniversary Show), 111 Minna Gallery, San Francisco (Eyepiece)"  
1996: Digital Bayou, Siggraph '96, New Orleans (Be Now Here)  
1995: Interaction '95, International Academy of Media Arts and Sciences (IAMAS), Gifu, JAPAN (Karlsruhe Moviemap)  
1995: Old Glory, Santa Monica Museum of Art (No State)  
1994: Old Glory, Capp Street Project, San Francisco (No State)  
1994: International Symposium on Electronic Art (ISEA) 94, Museum of Contemporary Art, Helsinki, FINLAND (See Banff)  
1994: Mill Valley Film Festival (See Banff)  
1994: Walter Phillips Gallery, Banff Centre for the Arts, CANADA (See Banff)  
1994: Film Academy (w/ISEA), St. Petersburg, RUSSIA (Virtuality, Inc.)  
1993: Multimediale 3, Zentrum fur Kunst und Medientechnologie (ZKM), Karlsruhe, GERMANY (EVE project)  
1992: G-Tech Exhibit, Siggraph '92, Chicago (Field Recording Studies)  
1992: The Culture and Science of Finding Your Way, Exploratorium, San Francisco (Karlsruhe Moviemap)  
1992: Images du Futur '92, Montreal, CANADA (Karlsruhe Moviemap)  
1992: Triennale di Milano, ITALY (EAT and Karlsruhe Moviemap)  
1992: Futures Scenarios, ACM SigCHI Conference, Monterey (Virtuality, Inc.)  
1991: Tomorrow's Reality Gallery, Siggraph '91, Las Vegas (EAT and Karlsruhe Moviemap)  
1991: MultiMediale 2, Zentrum fur Kunst und Medientechnologie (ZKM), Karlsruhe, GERMANY (Karlsruhe Moviemap)  
1991: Art and Multimedia, Center for Advanced Visual Studies (CAVS), MIT (compilation video)  
1990: Cyberthon Conference, Point Foundation, San Francisco (EAT, Golden Gate Flyover, and Virtual Object Series)  
1990: Virtual Reality Panel, Siggraph '90, Dallas (Virtuality Inc.)  
1989: Mill Valley Film Festival (EAT)  
1989: San Francisco Art Institute (EAT)  
1989: Kanagawa International Art and Science Exhibition, JAPAN (Golden Gate Flyover)  
1989: Exploratorium at the World Financial Center, New York (Golden Gate Flyover)  
1988: Exploratorium at the Kennedy Center for the Performing Arts, Washington, DC (Golden Gate Flyover)  
1987: The Situated Image, Mandeville Art Gallery, UC San Diego (Computer Eyepiece)  
1986: Silicon Valley Electronic Arts Festival, Institute of Contemporary Art, San Jose (Computer Eyepiece)  
1986: American Association of Anthropology (AAA) annual conference, Philadelphia (compilation video)  
1986: Art New Vision '86, Nippon High Technology Arts Festival, Tokyo, JAPAN (compilation video)  
1985: US Pavilion, EXPO '85, Tsukuba, JAPAN (Siggraph Videodisc)  
1984: Ann Arbor Film Festival (Computer Eyepiece)  
1984: The Artist As A Young Machine, Ontario Science Center, Toronto, CANADA (Computer Eyepiece)  
1984: San Francisco International Video Festival (Computer Eyepiece)  
1983: Siggraph '83 Artshow, Detroit (Computer Eyepiece)  
1982: Palo Alto Film Festival (All My Worldly Things)  
1981: SF Art Institute Film Festival (Eyepiece and Moving Movie)  
1981: Centervideo, American Center, Paris, FRANCE (Babies on the Subway)  
1981: CenterVideo, Koelnischer Kunstverein, Cologne, Germany (Babies on the Subway)  
1981: CenterVideo, Kunsthhaus, Zurich, SWITZERLAND (Babies on the Subway)  
1980: New York Avant Garde Festival (Eyepiece)  
1980: Beyond Object, Aspen Art Museum (Moving Movie)  
1980: Council for the Arts annual meeting, MIT (Talking Head)  
1980: SF Art Institute Film Festival (All My Worldly Things)  
1980: CenterScreen Series, Harvard University (All My Worldly Things)  
1979: Ann Arbor Film Festival (All My Worldly Things)  
1978: The Mall, Washington, DC (Centerbeam)  
1977: Documenta 6, Kassel, GERMANY (Centerbeam)

### Invited Presentations

223 (03/09): Invited Speaker, "Just Like Being There?", University of Montreal, CANADA  
222 (01/09): Panelist, "The Big Picture," Netherlands Architecture Inst. & Intl. Film Festival Rotterdam, NETHERLANDS  
221 (10/08): Opening Speaker, Second International conference on image science, Danube University, Krems, AUSTRIA  
220 (06/08): Participant, "Conversations on authors, institutions and ties between the two", Kitchen Budapest, HUNGARY  
219 (04/08): "Viewfinder: How to Seamlessly "Flickrize" Google Earth", Google Tech Talk

218 (02/08): Immersion and It's Applications: 360 Degree of Difference, Vision and Voices panel, USC

217 (09/07): Keynote, "Media aRt&D", xMediaLab Workshop, Singapore

216 (08/07): Panel Chair, "Artists have changed," for Leonardo journal, Siggraph, San Diego

215 (05/07): "The 'I' in CHI" panel, Computer/Human Interaction (CHI) Conference, San Jose

214 (10/06): Opening Seminar for the Art and Technology Planning Group, NYU

213 (09/06): PICNIC '06 Cross Media Week, Amsterdam, NETHERLANDS

212 (08/06): Third Annual Seminar in Experimental Critical Theory, UC Irving

211 (07/06): Institute for Creative Technology, USC

210 (06/06): Big Picture Summit, National Geographic Society, Washington, DC

209 (05/06): Department of Design | Media, UCLA

208 (03/06): School of Art, USC

207 (10/05): Frontiers in Optics, the 89th Annual Meeting of the Optical Society of America, Tucson

206 (10/05): REFRESH! First International Conference on Media Arts, Science, and Technology, Banff Centre, CANADA

205 (9/05): School of Fine Arts, San Francisco State University

204 (4/05): IMC Expo, Chelsea Art Museum, New York

203 (2/05): Vision Group, California Institute of Technology, Pasadena

202 (2/05): Design Dialogues, Media Design Program, Art Center College of Design, Pasadena

201 (12/04): EALA Presents, Electronic Arts, Marina del Rey

200 (12/04): Big Picture Summit, Interactive Telecommunications Program, NYU

199 (11/04): Interactive Media Division Forum, USC

198 (11/04): 12th International Panorama Conference, Hunter College, New York

197 (11/04): Art, Science, Technology Forum for National Science Week, Gijón, SPAIN

196 (11/04): Institute for Creative Technologies, USC

195 (09/04): Ars Electronica, Linz, AUSTRIA

194 (08/04): Siggraph '04, Los Angeles

193 (07/04): First International Conference on Design Computing and Cognition (DCC '04) Workshop, MIT

192 (05/04): Digital Avant-Garde, Celebrating 25 Years of Ars Electronica, Austrian Cultural Forum, New York

191 (02/04): Dolphin Cognition Workshop, Wildlife Conservation Society, NYC Zoo, New York

190 (01/04): Interactive Media Division, USC School of Cinema-Television Visiting Speaker Series

189 (11/03): Role of the Arts in a Research University (open mic statement to the Presidents of NYU and Columbia), NYU

188 (11/03): National Art and Technology Network meeting, Arizona State University, Tempe

187 (10/03): Intro Class, Interactive Telecommunications Program (ITP), NYU

186 (06/03): ZeroOne Foundation, Palo Alto

185 (06/03): Intel Research Invited Seminar Speaker Series, Berkeley

184 (04/03): Exploratorium, San Francisco

183 (04/03): Friday Seminar Series, Interactive Telecommunications Program (ITP), NYU

182 (02/03): TTI Vanguard Conference, San Jose

180 (01/03): Dublin Arts and Technology Association (DATA), Dublin, IRELAND

179 (10/02): Computer Art Department, School of the Visual Arts (SVA), New York

178 (10/02): Intro Class, Interactive Telecommunications Program (ITP), NYU

177 (10/02): Future Cameras, Computer Science Department, NYU

176 (04/02): Art, Technology, and Culture Colloquium, UC Berkeley

175 (04/02): Numer.02 Interactive Design Conference, Centre Pompidou, Paris, FRANCE

174 (04/02): Media Lab Europe, Dublin, IRELAND

173 (04/02): Digital Arts Symposium, College of Fine Arts and Center for Consciousness Studies, U Arizona, Tucson

172 (01/02): InterMediun Institute, Osaka, JAPAN

171 (12/01): DoCoMo House, Keio University, Tokyo, JAPAN

170 (11/01): Ways of Working Seminar, Arts Council of England, London, UK

169 (11/01): Future of Creativity Symposium Discussant, AAC / School of the Art Institute, Chicago

168 (10/01): Embedding Media in Culture Panel, Interaction '01, IAMAS, Gifu, JAPAN

167 (10/01): International Academy of Media Arts and Sciences, Gifu, JAPAN

166 (06/01): Bridges Symposium, USC / Banff Centre, Los Angeles

165 (02/01): Center for Digital Media, SF Art Institute

164 (11/00): Art Frontiers: Partners in Art and Industry Symposium, Ground Zero / The Kitchen, Menlo Park, CA

163 (10/00): Arts Panel, First MIT Media Lab Reunion

162 (10/00): Looking at San Francisco Panel, "Really Wired" exhibition, New Langton Arts, San Francisco

161 (10/00): Master Viewpoints Presentation, Edgewise Conference, New York

160 (05/00): Green Interfaces Panel, Planetnetwork Conference, Presidio, San Francisco

159 (05/00): Bernard Q. Nietschmann Memorial, Faculty Club, UC Berkeley

158 (05/00): Center for Interactive Art, SFSU

157 (04/00): Digital Work and Play Symposium, Mission College, Santa Clara

156 (03/00): At What Stage Art and Technology Symposium, The Kitchen, New York

155 (03/00): Design Department, UCLA

154 (02/00): Art Dept, Mills College, Oakland

153 (02/00): New Media: Where To Now? Panel, The Lab, San Francisco

152 (02/00): Computer Science Department, UNC, Chapel Hill

151 (06/99): Design Digital Theme, International Design Conference, Aspen

150 (04/99): Lannan Foundation, Geography Dept, UC Berkeley  
149 (03/99): Arts Dedication Ceremony, The Tech Museum of Innovation, San Jose

148 (11/98): Artists and Technologists Working Together Panel, ACM UIST Conference, San Francisco  
147 (11/98): Ecole des Beaux Arts Aix en Provence, FRANCE  
146 (11/98): VSMM '98, Gifu, JAPAN  
145 (09/98): Center for Advanced Visual Studies (CAVS) Series, MIT  
144 (05/98): Virtual Museums on the Internet Symposium, Salzburg, AUSTRIA  
143 (04/98): Scripted Spaces Conference, Art Center, Pasadena  
142 (03/98): Design Department, UCLA  
141 (02/98): Spatial and Collaborative Cinema Panel, International Film Festival, Rotterdam, NL

140 (12/97): Conceptual Design/Information Arts Dept, SFSU  
139 (11/97): Global Jukebox presentation, ITP, NYU  
138 (10/97): Art Dept, UC Santa Barbara  
137 (10/97): Multimedia Series, Santa Barbara Community College  
136 (10/97): Art Dept, Art Center, Pasadena  
135 (10/97): Virtual Worlds Beyond the Screen Lecture Series, SF MOMA  
134 (09/97): Telepresence Panel, International Symposium of Electronic Art (ISEA), Chicago  
133 (08/97): Multimedia Studies Program, SFSU  
132 (07/97): Consciousness Reframed Conference, CAiiA, University of Wales, Newport, WALES  
131 (06/97): Multimedia Summit, Banff Centre for the Arts, CANADA  
130 (02/97): Stereoscopic Displays and Applications, SPIE, San Jose  
129 (02/97): Fleming Fund Dinner Series, Villa Montalvo, Saratoga, CA  
128 (02/97): New Genres Dept, SF Art Institute  
127 (02/97): Computer-Related Design Dept, Royal College of Art, London, UK

126 (11/96): Visual Research Conference (SVA), American Anthropological Assn Annual Meetings, San Francisco  
125 (09/96): Digitale '96, Media Academy, Cologne, GERMANY  
124 (05/96): Art@Science Symposium, Advanced Telecommunications Research (ATR), Nara, JAPAN  
123 (05/96): International Academy of Media Arts and Sciences (IAMAS), Gifu, JAPAN  
122 (05/96): Center for Design Research, Stanford University  
121 (04/96): Arts Dept, UC Santa Cruz  
120 (02/96): Governor's Conference on the Arts, Los Angeles  
119 (01/96): Urban Site Panel, Yerba Buena Center for the Arts, San Francisco

118 (11/95): Geography Dept, UC Berkeley  
117 (11/95): Seminar on Cinema Research, Directors Guild/American Museum of the Moving Image, Queens, NY  
116 (08/95): Museums of the Future Panel, Siggraph 95, Los Angeles  
115 (05/95): Oksnoen 95 Symposium on "Presence," Oksnoen, NORWAY

114 (11/94): NewMediaLogia Symposium, Moscow, RUSSIA  
113 (10/94): Artists in Multimedia Panel, ACM Multimedia Symposium, San Francisco  
112 (08/94): Film Academy (in conjunction with ISEA '94), St. Petersburg, RUSSIA  
111 (06/94): Virtual Café (via picturephone), McLuhan Program, U Toronto, CANADA  
110 (05/94): Museum of the Future Symposium, University of Ferrara/UC Berkeley, Bologna, ITALY  
109 (05/94): Art and Virtual Environments Symposium / Cyberconf 4, Banff Centre, CANADA  
108 (04/94): Center for Digital Multimedia, NYU  
107 (03/94): Espace Electra, U Paris 1+8 Joint Series, Paris, FRANCE

106 (11/93): Explorations in New Realities, Dallas Video Festival, Dallas Museum of Art  
105 (05/93): Cyberspace 3 Conference, Austin  
104 (05/93): Beaux-Arts, Paris, FRANCE  
103 (03/93): Dept of Architecture, UC Berkeley  
102 (03/93): Art Talk, Xerox PARC, Palo Alto  
101 (02/93): Interface II Conference, Hamburg, GERMANY  
100 (02/93): College of Arts and Sciences, USF

99 (11/92): Human Computer Interaction Seminar, Stanford University  
98 (11/92): Navigation Series, Exploratorium, San Francisco  
97 (10/92): CyberArts Conference, Pasadena  
96 (09/92): Center for Creative Imaging, Camden, ME  
95 (06/92): Virtual Travel Panel, Travel and Tourism Research Association (TTRA) Annual Conference, Minneapolis  
94 (06/92): VR and Art Panel, YLEM, Exploratorium, San Francisco  
93 (05/92): Design for Conversations Seminar for duPont, Pangaro Inc., Boston  
92 (01/92): Artistic Experimentation with Multimedia Panel, MacWorld EXPO, San Francisco

91 (11/91): Bioapparatus Residency, Banff Centre, CANADA  
90 (10/91): Bits of Art series, School of Art, University of Cincinnati  
89 (10/91): Pioneer LDC, Tokyo, JAPAN  
88 (10/91): Art and Multimedia panel, International Conference on Multimedia '91, Tokyo, JAPAN  
87 (10/91): Savannah College of Art and Design  
86 (10/91): Center for Electronic Art, San Francisco  
85 (08/91): First Moscow International Workshop on Human-Computer Interaction, Moscow, USSR  
84 (08/91): Virtual Reality Summer Seminar, SF Art Institute  
83 (06/91): Center for Electronic Art, San Francisco

82 (05/91): MultiMediale 2, ZKM, Karlsruhe, GERMANY  
81 (04/91): Cyberspace II Conference, Santa Cruz  
80 (03/91): ITVA panel, San Francisco  
79 (03/91): IBM (DPS Project), Los Angeles  
78 (02/91): Center for Electronic Art, San Francisco

77 (12/90): Interactive Multimedia Association Developer's Forum, Scottsdale, AR  
76 (10/90): Cyberthon Conference, San Francisco  
75 (10/90): Center for Electronic Art, San Francisco  
74 (08/90): Interface Panel, Siggraph '90, Dallas  
73 (08/90): Center for Electronic Art, San Francisco  
72 (07/90): Multimedia '90 Conference, Hakone, JAPAN  
71 (07/90): Center for Electronic Art, San Francisco  
70 (04/90): Gender and Cultural Bias Panel, Computer Games Developer's Conference, San Jose  
69 (03/90): Whittle Communications, Knoxville  
68 (03/90): Pacific Film Archive, UC Berkeley  
67 (02/90): Conceptual Design Dept, SFSU

66 (12/89): Whittle Communications, Chicago  
65 (12/89): St Louis Zoo  
64 (11/89): US International Cultural and Trade Center Commission, Washington DC  
63 (11/89): Lucasfilm/Apple Umbrella (LUAU) talk, Headlands Center for the Arts, Marin Headlands, CA  
62 (11/89): Art Dept, SFSU  
61 (10/89): Autodesk Corporation, Sausalito  
60 (10/89): Society of Motion Picture and Television Engineers (SMPTE) Conference, Los Angeles  
59 (10/89): Avenues Toward Artificial Reality Panel, Intertainment '89 conference, New York  
58 (09/89): Film Dept, SF Art Institute  
57 (02/89): American Society of Magazine Photographers, San Francisco  
56 (02/89): Developing Interactive Video Workshop, Aspen Institute, Wye Woods, MD

55 (11/88): Apple Developer's Conference, Cupertino  
54 (10/88): Production Issues Panel, Intertainment '88 Conference, New York  
53 (08/88): Museum of Science and Industry, Chicago  
52 (08/88): Multi Image Association, Phoenix  
51 (07/88): Open School, Apple Vivarium Project, Los Angeles  
50 (06/88): Fluid Media Conference, Apple Computer, Cupertino  
49 (05/88): Beyond CAD Symposium, American Institute of Architects, San Francisco  
48 (02/88): Multimedia Authoring Panel, Microsoft Third International CD-ROM conference, Seattle

47 (12/87): Lotus Development Corporation, Cambridge  
46 (10/87): Mattel Inc., Hawthorne, CA  
45 (09/87): Interactive Video for Museums Workshop, Boston Museum of Science  
44 (07/87): Society of Motion Picture and Television Engineers (SMPTE), San Francisco Chapter  
43 (06/87): High Technology Media Panel, American Association of Museums Annual Conference, San Francisco  
42 (06/87): Emerging Media Landscape Conference, Diaquest Corporation, Berkeley  
41 (05/87): HOK Associates, St Louis  
40 (03/87): Athens International Video Festival, Athens, OH

39 (10/86): Microsoft Corporation  
38 (10/86): Advanced Decision Systems, Santa Clara  
37 (07/86): Summer Arts '86 Conference, Cal State University, San Luis Obispo  
36 (06/86): School of Medicine, Stanford University  
35 (05/86): Panavision, Tarzana, CA  
34 (03/86): Film/Video Program, Univ of Michigan

33 (12/85): Film/Video Dept, Cal Arts  
32 (12/85): Interactive Videodisc Consortium, San Francisco  
31 (11/85): California Academy of Science, San Francisco  
30 (10/85): MIT Media Lab  
29 (04/85): Dept of Geography, UC Berkeley  
28 (03/85): International Interactive Communications Society (IICS), San Francisco Chapter  
27 (02/85): Centre Mondial, Paris, FRANCE  
26 (02/85): Ecole National Superior des Art Decoratif, Paris, FRANCE  
25 (02/85): Mirror Systems, Cambridge

24 (11/84): First Annual Hacker's Conference, Marin Headlands, CA  
23 (06/84): 4th grade class, South Elementary School, Hingham, MA  
22 (04/84): Renan Productions, Los Angeles  
21 (03/84): Dept of Education, University of Michigan  
20 (02/84): Friends of the Earth, San Francisco  
19 (01/84): SPIE Conference, Los Angeles  
18 (01/84): Videodisc Workshop, Bay Area Video Coalition (BAVC), San Francisco

17 (01/83): Warner Brothers Records, Los Angeles

16 (12/82): Bank of America, San Francisco

- 15 (07/82): World Future Society Fourth General Assembly, Washington DC
- 14 (06/82): International Television Association (ITVA), Houston chapter
- 13 (04/82): AEC Seminar, Engineering News-Record, Denver
- 12 (04/82): AEC Seminar, Engineering News-Record, Houston
- 11 (03/82): Landor Associates, San Francisco
- 10 (03/82): Math Imagery Conference, UC Santa Cruz
- 9 (02/82): New Directions/New Dimensions Showcase, Diaquest Corporation, Berkeley
  
- 8 (12/81): Office of the President, National Geographic Society, Washington DC
- 7 (10/81): Graphics Gathering, Stanford University
- 6 (09/81): Video Department, California College of Arts and Crafts, Oakland
- 5 (08/81): Still-Frame and Optical Transfer, Summer Session on Interactive Videodiscs, MIT
- 4 (08/81): Videodisc Cinematography, Summer Session on Interactive Videodiscs, MIT
- 3 (05/81): WED Enterprises (Disney Research), Glendale, CA
  
- 2 (03/80): Center for Advanced Visual Studies, MIT
- 1 (01/80): Art and Perception Conference, Dept of Psychology, MIT

### **#1 on Google Searches**

academic art and technology  
 Alan Lomax's multimedia dream  
 art exploring real-time connectedness (new)  
 "be now here"  
 "best comment ever" site:interactive.usc.edu  
 camera zapper  
 consumer immersive viewer  
 dimensionalization  
 fast cheap gigapixel images  
 how to flickrize google earth (new)  
 interactive art bad idea  
 "live bits"(new)  
 live global video  
 "peter sellars" art toothpaste  
 place runs deep  
 presence and abstraction  
 "projected living room painted white"  
 "(re)presenting place"  
 "realspace imaging"  
 representing earth (new)  
 sensory anomalies  
 symmetrical media  
 talking head projection  
 truth, beauty, freedom, and money  
 usc viewfinder  
 vr webcam  
 vr today  
 where are the anthropologists