

Howard Besser

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Full Curriculum Vitae: <http://besser.tsoa.nyu.edu/howard/vita.html>

Information Studies Publications

- Besser, Howard (2017). "Archiving Websites Containing Streaming Media", Archiving 2017, (May 15-18 2017 Proceedings), pages 11-13
- Besser, Howard (2017). "Brazil Impeachment and Left Media", The Fifth Estate #397, Winter
- Besser, Howard (2016). "25 years of digital archives of visual materials: what we've done, what we've learned, and what challenges remain" *Visual Studies*, 31(2), pages 95-108
- Besser, Howard (2015). Personal Digital Archiving: Issues for Libraries and a Summary of the PDA Conference, Paper presented at: IFLA WLIC 2015 - Cape Town, South Africa (<http://library.ifla.org/id/eprint/1218>)
- Besser, Howard (2015). "Digital Preservation of Moving Image Material?," In Michele Cloonan's **Preserving Our Heritage: Perspectives from Antiquity to the Digital Age**, Chicago: American Library Association, pages 265-273
- Besser, Howard, Sharon Farb, Todd Grappone, and Ali Jamshidi (2014). "Ethics, Technology and the Challenges of Documenting History in Real Time" International Federation of Library Associations 2014 annual conference proceedings (<http://library.ifla.org/id/eprint/981>)
- Besser, Howard (2014). "Commentary on Caroline Frick's Plenary Address", *Preservation, Digital Technology & Culture (PDT&C)*. Volume 43, Issue 1-2, Pages 31-34, ISSN (Online) 2195-2965, ISSN (Print) 2195-2957, DOI: 10.1515/pdtc-2014-1006, April
- Besser, Howard (2014). "The Digital-Age Challenges of Preserving 'User-Generated' Content: Manuscript Drafts, Correspondence, and Social Movements" in *Image Science & Technology, Program Proceedings, Archiving 2014*, May 13-16, 2014, Berlin, Germany, pages 42-46.
- Besser, Howard (2013). "Audiovisual Patrimoine for Libraries", *Progressive Librarian* 41, pages 67-73, Fall
- Besser, Howard (2013). *Communities of Interest Unite to Save Films* in Michel Marie and André Habib (eds.) **L'avenir de la mémoire: Patrimoine, restauration et réemploi cinématographiques**, Lille France: Septentrion, pages 181-189 (<http://books.google.com.co/books?id=IHcQ9EXckkkC&pg=PA191>)
- Besser, Howard (2013). *Le patrimoine audiovisuel en bibliothèque*, (issue on Patrimoine et transmission) **Takam Tikou**, (<http://takamtikou.bnf.fr/dossiers/dossier-2013-patrimoine-et-transmission/le-patrimoine-audiovisuel-en-biblioth-que>)
- Besser, Howard (2013). *Archiving Aggregates of Individually Created Digital Content: Lessons from Archiving the Occupy Movement*, **Preservation, Digital Technology & Culture**. 42:1, pp 31-37, DOI: 10.1515/pdtc-2013-0005, March
- Besser, Howard (2013). "Important Issues in Preservation and Access of Digital Content for Children", *Creating the future: preserving, digitizing and accessing all forms of children's and young adults' cultural heritage*, Proceedings of International Federation of Library Associations Satellite Conference (<http://iflabangkok2013.tkipark.or.th/resources.html>)
- Besser, Howard (2013). *Archiving Media from the Occupy Movement: Methods for Archives trying to manage large amounts of user-generated audiovisual media*, in Luciana Duranti and Elizabeth Shaffer, **UNESCO's Memory of the World in the Digital Age: Digitization and Preservation (Proceedings of 26-28 September 2012 Conference)**, UNESCO, pages 1432-1439

(http://www.ciscra.org/docs/UNESCO_MOW2012_Proceedings_FINAL_ENG_Compressed.pdf)

- Besser, Howard (2012). "Contemporary Art that does not last without being changed: Issues for Librarians", Art Now! Contemporary Art Resources in a Library Context, Nordic Art Libraries Association (www.arlisonorden.org/uploads/6/0/9/2/6092407/art-now-paper-besser.doc)
- Besser, Howard, et al (2012). "VIDEO AT RISK: Strategies for Preserving Commercial Video Collections in Research Libraries: Section 108 Guidelines, Dec (http://www.nyu.edu/tisch/preservation/research/video-risk/VideoAtRisk_SECTION108_Guidelines_2013.pdf)
- Besser, Howard (2012). *Preparing the Next Generation of Audiovisual Archivists: Lessons from New York University's Moving Image Archiving & Preservation Program*, Image & Research: 12th International Conference (Girona, Catalunya. 20-23 November 2012), published in Catalan in *Imatge I Recerca*, 12es Jornades Antoni Vares 2012, Ponencies, Experiencies I Comunicacion , proceedings of conference in Girona, Catalunya, 20-23 Novembre, 2012, pages 14-24
- Besser, Howard (2007). *Collaboration for electronic preservation*, **Library Trends** 56:1, Summer 2007, pp. 216-229
- Besser, Howard and Kara Van Malssen (2007). Pushing Metadata Capture Upstream into the Content Production Process: Preliminary Studies of Public TV, **DigCCurr2007**, an International Symposium in digital; curation, (http://www.ils.unc.edu/digccurr2007/papers/besserVanmalssen_paper_4-1.pdf)
- Besser, Howard (2004). *The Past, the Present, and the Future of Digital Libraries* in **A Companion to Digital Humanities** edited by Susan Schreibman, Raymond George Siemens, and John Unsworth, New York: Blackwell, pp. 557-575
- Dietz, Steve, Howard Besser, Ann Borda, and Kati Geber with Pierre Lévy (2004). Virtual Museum (of Canada): The Next Generation, Ottawa: Canadian Heritage Information Network (http://besser.tsoa.nyu.edu/howard/Papers/vm_tng.doc)
- Besser, Howard (2002). *Commodification of Culture Harms Creators*, The Information Commons, New Technology, and the Future of Libraries, vol 1, issue 1, June, American Library Association (<http://www.info-commons.org/arch/1/issue1.html>)
- Besser, Howard (2002). *The Next Stage: Moving from Isolated Digital Collections to Interoperable Digital Libraries*, **First Monday** 7:6, June (http://www.firstmonday.org/issues/issue7_6/besser/)
- Besser, Howard (2002). *Moving from Isolated Digital Collections to Interoperable Digital Libraries* in Victorian Association for Library Automation's **E-Volving Information Futures** (Proceedings of the 11th Biennial Conference, 6-8 February, 2002, Melbourne), vol. 2, pages 707-725
- Besser, Howard (2001). *Digital Preservation of Moving Image Material*, **The Moving Image**, Fall, pages 39-55
- Besser, Howard et. al. (2001) Preserving Digital Materials: Final Report of the Digital Preservation and Archive Committee, University of California Systemwide Operations and Planning Advisory Group, October 18 <http://www.slp.ucop.edu/sopag/DPACFinalReport.pdf> (co-authored with 9 other committee members)
- Besser, Howard (2001). *Intellectual Property: The Attack on Public Space in Cyberspace*, **Processed World** 2.001, Fall, pages 19-27 (<http://besser.tsoa.nyu.edu/howard/Papers/pw-public-spaces.html>)
- Besser, Howard (2001). *Longevity of Electronic Art*, in David Bearman and Franca Garzotto (eds.) **ICHIM 01 International Cultural Heritage Informatics Meeting: Cultural Heritage and Technologies in the Thrid Millennium**, Volume 1 - Full Papers (Proceedings of the September 3-7, 2001 Milan meeting), Milan: Politecnico di Milano, pages 263-275 275 (<http://besser.tsoa.nyu.edu/howard/Papers/elect-art-longevity.html>)
- Besser, Howard (2001). *The Next Digital Divides*, **Teaching to Change LA** 1:2, Spring 2001, (<https://tcla.gseis.ucla.edu/divide/politics/besser.html>)
- California Digital Library, Technology Architecture and Standards Committee (2001), *California Digital Library Digital Image Format Standards*, July 9 <http://www.cdlib.org/about/publications/> (co-authored with 7 other committee members)
- California Digital Library, Technology Architecture and Standards Committee (2001), *California Digital Library Digital Object Standard: Metadata, Content and Encoding*, May 18 (<http://www.cdlib.org/about/publications/>)

(co-authored with 7 other committee members)

- Besser, Howard (2000). *Digital Longevity*, in Maxine K. Sitts (ed.) **Handbook for Digital Projects: A Management Tool for Preservation and Access** Andover Mass: Northeast Document Conservation Center, pages 155-166
- Besser, Howard (2000). *Network access to visual information: a study of costs and uses*, **Art Libraries Journal** 25:2, May, pages 5-9
- Besser, Howard (2000). *Film and the Anarchist Imagination*. By Richard Porton (book review), **Cineaste** XXV:3, June, pages 60-61
- California Digital Library, Technology Architecture and Standards Committee (2000), *California Digital Library Technical Architecture and Standards*, June 16 <http://www.cdlib.org/libstaff/technology/tas/Standards/> (co-authored with 7 other committee members)
- Besser, Howard (2000). *In Athena's Camp: Preparing for Conflict in the Information Age*. By John Arquilla and David Ronfeldt (book review), **Library Quarterly** 70:1, January, pages 133-35
- Committee on Intellectual Property Rights and the Emerging Information Infrastructure, National Research Council, National Academy of Sciences (2000). **The Digital Dilemma: Intellectual Property in the Information Age**, Washington: National Academy Press (co-authored with 17 other committee members)
- Besser, Howard (1999). *Digital Image Distribution: A Study of Costs and Uses*, **D-Lib Magazine** 5:10, October (<http://www.dlib.org/dlib/october99/10besser.html>)
- Besser, Howard and Rosalie Lack (1999). *Image and metadata distribution at seven university campuses: Reports from a Study of the Museum Educational Site Licensing Project* in Serge Abiteboul and Anne-Marie Vercoustre (eds.) **Research and advanced technology for digital libraries: third European conference, ECDL '99, Paris, France, September 22-24, 1999: (proceedings)**, Berlin: Springer, pages 3-18
- Besser, Howard (1999). *Network access to visual information: a study of costs and uses*, in International Federation of Library Associations, **Conference Programme and Proceedings, 65th IFLA Council and General Session Conference, Bangkok Thailand, August 20 - August 28, 1999** (Code Number: 021-112-E), (<http://www.ifla.org/IV/ifla65/papers/021-112e.htm>)
- Hurley, Bernard, John Price-Wilkin, Merrillee Proffitt, and Howard Besser (1999). **The Making of America II Testbed Project: A Digital Library Service Model**, Washington: Digital Library Federation, Council on Library and Information Resources, December (<http://sunsite.berkeley.edu/moa2/wp-v2.html>)
- Besser, Howard and Robert Yamashita (1999). *Issues in Electronic Publication of Image Databases: Report from a Study of the Museum Educational Site Licensing Project*, in John W. T. Smith et. al. (eds) **Electronic Publishing '99: Redefining the Information Chain -- New Ways and Voices** (Proceedings of an ICC/IFIP Conference held at the University of Karlskrona/Ronneby, Ronneby, Sweden, 10-12 May), Washington: International Council for Computer Communication Press, 1999, pages 137-143
- Besser, Howard, Rosalie Lack, and Robert Yamashita (editors) (1999). *Cost and Use of Digital Images on University Campuses: Lessons from the Museum Educational Site Licensing Project*, special issue of **Visual Resources: An International Journal of Documentation** 14 (4), pages 355-503
- Besser, Howard and Robert Yamashita (1999). *Issues of Network Access to Visual Information: The UCB Mellon Study of the Museum Educational Site Licensing Project*, **Visual Resources: An International Journal of Documentation** 14 (4), pages 359-374
- Besser, Howard (1999). *The MESL Experience versus Slide Libraries: Comparison and Analysis*, **Visual Resources: An International Journal of Documentation** 14 (4), pages 477-499
- Besser, Howard and Robert Yamashita (1999). *The Cost of Digital Image Distribution: The Social and Economic Implications of the Production, Distribution and Usage of Image Data*, a report to the Andrew W. Mellon Foundation, June (<http://sunsite.berkeley.edu/Imaging/Databases/1998mellon/>)
- Besser, Howard (1999). *Will Copyright Protect the Public Interest?*, **Peace Review** 11 (1) March, pages 25-31
- Besser, Howard (1998). *MESL Implementation at the Universities* in Christie Stephenson and Patricia McClung (eds.), **Delivering Digital Images: Cultural Heritage Resources for Education**, volume 1, Los Angeles:

- Getty Information Institute, pages 70-84
- Lyman, Peter and Howard Besser (1998). *Defining the Problem of Our Vanishing Memory: Background, Current Status, Models for Resolution* in Margaret MacLean and Ben H. Davis (eds.), **Time and Bits: Managing Digital Continuity**, Los Angeles: Getty Information Institute and Getty Conservation Institute, pages 11-20 (<http://www.longnow.com/10klibrary/TimeBitsDisc/tbpaper.html>)
- Besser, Howard (1998). *The Shape of the 21st Century Library*, in Milton Wolf et. al. (eds.), **Information Imagineering: Meeting at the Interface**, Chicago: American Library Association, pages 133-146 (<http://besser.tsoa.nyu.edu/howard/Papers/peters.html>)
- Lanzi, Elisa (1998). **Introduction to Vocabularies: Enhancing Access to Cultural Heritage Information**, Los Angeles: Getty Information Institute (contributing Editor)
- Besser, Howard and Maria Bonn (1997). *Interactive Distance-Independent Education: Challenges to Traditional Academic Roles*, **Journal of Education for Library and Information Science** 38 (1), Winter, pages 35-42 (<http://www.besser.tsoa.nyu.edu/howard/Papers/Restricted/alise.html>)
- Besser, Howard (1997). *Comparing Five Implementations of the Museum Educational Site Licensing Project: "If the museum data's the same, why's it look so different?"*, **Proceedings of the Fourth International Conference on Hypermedia and Interactivity in Museums**, (Paris France, 3-5 September 1997), Pittsburgh: Archives and Museum Informatics, 1997, pages 317-325 [republished in David Bearman and Jennifer Trant (eds.), **Museum Interactive Multimedia 1997: Cultural Heritage Systems Design and Interfaces** (Selected Papers from ICHIM 97), Pittsburgh: Archives and Museum Informatics, pages 50-58]
- Besser, Howard (1997). *Image Databases: The first decade, the present, and the future*, **Proceedings of the 33rd Annual Clinic on Library Applications of Data Processing: Digital Image Access and Retrieval**, Urbana: Univ of Illinois, pages 11-28
- Besser, Howard (1997). *Integrating Collections Management Information into Online Exhibits: The Web as Facilitator for Linking Two Separate Processes*, in David Bearman and Jennifer Trant (eds.), **Museums and the Web (selected papers from the 1997 conference)**, Pittsburgh: Archives & Museums Informatics, pages 201-205
- Besser, Howard (1997). *The Transformation of the Museum and the way it's Perceived*, in Katherine Jones-Garmil (ed.), **The Wired Museum**, Washington: American Association of Museums, pages 153-169
- Besser, Howard (1997). *The Changing Role of Photographic Collections with the Advent of Digitization*, in Katherine Jones-Garmil (ed.), **The Wired Museum**, Washington: American Association of Museums, pages 115-127 (<http://besser.tsoa.nyu.edu/howard/Papers/eastman.html>)
- Commission on Preservation & Access and Research Libraries Group, Task Force on Archiving of Digital Information (1996). **Preserving Digital Information** (<http://www.rlg.org/ArchTF/afadi.index.htm>) (co-authored with 20 other committee members)
- Besser, Howard (1996). *Difficulties of Implementing and Maintaining a WorldWide Web Site to Support Instruction*, **Revue Informatique et Statistique dans les sciences humaines** 32 (1-4), pages 11-28 (<http://besser.tsoa.nyu.edu/howard/Papers/Restricted/belgium.html>)
- Besser, Howard and Stacey Donahue (1996). editors, *Special Perspectives Issue on Distance-Independent Learning*, **Journal of the American Society for Information Science** 47 (11), November
- Besser, Howard (1996). *Issues and Challenges for the Distance-Independent Environment*, **Journal of the American Society for Information Science** 47 (11), November, pages 817-820
- Besser, Howard and Maria Bonn (1996). *The Impact of Distance-Independent Education*, **Journal of the American Society for Information Science** 47 (11), November, pages 880-883
- Besser, Howard and Christie Stephenson (1996). *The Museum Educational Site Licensing Project: Technical Issues in the Distribution of Museum Images and Textual Data to Universities*, James Hemsley (ed.), **E.V.A. '96 London (Electronic Imaging and the Visual Arts)**, Thursday 25th July 1996 (vol 2), Hampshire UK: Vasari Ltd, pages 5-1 - 5-15
- Besser, Howard (1996). *Designing a Digital Documents Curriculum*, in M. Stuart Lynn (ed.), **Proceedings of the 29th Hawaii International Conference on System Sciences, Vol 5: Digital Documents**, Los Alamitos, CA:

IEEE Computer Society Press, pages 153-158

- Besser, Howard (1995). *Image Databases Update: Issues Facing the Field, Resources, and Projects*, in Mimi King (ed.), **Going Digital: Electronic Images in the Library Catalog and Beyond**, Chicago: Library Information Technology Association, pages 29-34
- Besser, Howard (1995). *Multimedia and Networks Teach about Museums: Issues in Maintaining a WWW Site to Facilitate Distance Learning*, in David Bearman (ed.), **Multimedia Computing and Museums** (Selected Papers from the Third International Conference on Hypermedia and Interactivity in Museums), Pittsburgh: Archives & Museum Informatics, pages 124-140
- Besser, Howard and Jennifer Trant (1995). **Introduction to Imaging: Issues in Constructing an Image Database**, Santa Monica: Getty Art History Information Program, (48 pages)
- Besser, Howard (1995). *Image Databases*, **Database 18** (2), April, pages 12-19
- Besser, Howard (1995). *From Internet to Information Superhighway*, in James Brook and Iain A. Boal (eds.), **Resisting the Virtual Life: The Culture and Politics of Information**, San Francisco: City Lights, pages 59-70
- Besser, Howard (1994). *Movies-on-demand May Significantly Change the Internet*, **ASIS Bulletin 20** (7), Oct/Nov, pages 15-17 (<http://besser.tsoa.nyu.edu/howard/Papers/asis-bul.html>)
- Besser, Howard (1994). *Future Trends in Library Video and Film Collections*, in Gary Handman (ed.), **Video Collection Management and Development: A Multi-type Library Perspective**, Westport, CT: Greenwood, pages 411-426
- Besser, Howard (1994). *Image Databases*, **Encyclopedia of Library and Information Sciences 53:16**, New York: Marcel Dekker, pages 1-15
- Besser, Howard (1993). *The Educational Marketplace*, in Robert Muffoletto and Nancy Knupfer (eds.), **Computers in Education: Social, political, historical perspectives**, Cresskill, NJ: Hampton Press, pages 37-69
- Besser, Howard (1993). *Visualization of Historic Urban Data*, in Diane Lees (ed.), **Museums and Interactive Multimedia** (Proceedings of the Sixth International Conference of the Museum Documentation Association and the Second International Conference on Hypermedia and Interactivity in Museums), London: Museum Documentation Association, pages 86-91 (<http://besser.tsoa.nyu.edu/howard/Papers/gates.html>)
- Besser, Howard (1992). *Adding an Image Database to an Existing Library and Computer Environment: Design and Technical Considerations*, in Susan Stone and Michael Buckland (eds.), **Studies in Multimedia** (Proceedings of the 1991 Mid-Year Meeting of the American Society for Information Science), Medford, NJ: Learned Information, Inc, pages 31-45
- Besser, Howard (1991). *Advanced Applications of Imaging: Fine Arts*, **Journal of the American Society of Information Science 42**, (8), September, pages 589-596
- Besser, Howard (1991). *User Interfaces for Museums*, **Visual Resources 7**, pages 293-309
- Besser, Howard and Maryly Snow (1990). *Access to Diverse Collections in University Settings: The Berkeley Dilemma*, in Toni Petersen and Pat Moholt (eds.), **Beyond the Book: Extending MARC for Subject Access**, Boston: G. K. Hall, pages 203-224
- Besser, Howard (1990). *Visual Access to Visual Images: The UC Berkeley Image Database Project*, **Library Trends 38** (4), Spring, pages 787-798
- Besser, Howard, Robert Yamashita, and Troy Duster (1989). *New Computer Technologies and Social Science Research Methods*, in Lawrence J. McCrank (ed), **Databases in the Humanities and Social Sciences 4:** (Proceedings of the International Conference on Databases in the Humanities and Social Sciences), Medford, NJ: Learned Information, Inc, pages 62-69
- Besser, Howard (1988). *Independent Peace Groups and how they make their appeals: Structures, relationships to governmental bodies, and personal empowerment*, **International Seminar for World Peace (Proceedings)**, Seoul: F.A.K.
- Besser, Howard (1988). *Image Processing Integrated Into a Database for Photographic Images: Applications in Art, Architecture, and Geography*, **Electronic Imaging '88 vol. 2** (Advanced Paper Summaries), Waltham,

MA: Institute for Graphic Communication.

- Besser, Howard (1988). *Adding Analysis Tools to Image Databases: Facilitating Research in Geography & Art History*, **Proceedings of RIAO 88**, March, volume 2, pages 972-990
- Besser, Howard (1987). *Digital Images for Museums*, **Museum Studies Journal** 3 (1), Fall/Winter, pages 74-81
- Besser, Howard (1987). *The Changing Museum*, in Ching-chih Chen (ed), **Information: The Transformation of Society** (Proceedings of the 50th Annual Meeting of the American Society for Information Science), Medford, NJ: Learned Information, Inc, pages 14-19
- Besser, Howard (1987). *Computers for Art Analysis*, in R. A. Braden, et al. (ed), **Visible & Viable: The Role of Images in Instruction & Communication** (Readings from the 18th Annual Conference of the International Visual Literacy Association), Blacksburg, VA: IVLA
- Besser, Howard (1985). *The Meaning Behind Computer Advertising*, in L. W. Miller (ed), **Creating Meaning** (Readings from the Visual Literacy Conference at California State Polytechnic University at Pomona), Silver Spring, MD: IVLA, pages 44-54
- Besser, Howard (1983). **Poland: The Making and Unmaking of the News**, Berkeley: ASUC
- Besser, Howard (1982). *Mass-Media E Polonia*, **Revista Anarchica** 12 (7), October
- Besser, Howard (1981). *How the Polish Workers Made the News*, **Journal of Community Communications** 4 (2), Spring

Published Bibliographical Works

- Besser, Howard, Terry Downs, and Brian Kane (1983). **International Blacklist: an Anti-Authoritarian Directory**, Berkeley: ASUC
- Besser, Howard and Nancy Goldman (1980). **Film Journals**, Berkeley: ASUC
- Provinzano, Linda, Howard Besser, Audie Bock, and Frank Motofuji (1979). **Films in the Collection of the Pacific Film Archive**, Berkeley: University Art Museum
- Besser, Howard and Karen Murphy (1978). **UCB Media Resources Available to Film Students**, Berkeley: ASUC
- Besser, Howard and Ofra Benjamini (1977). **Film Journals in California Libraries**, Berkeley: ASUC (2nd edition by Howard Besser and Rosemary Clarke published 1978, 3rd edition by Howard Besser and Nancy Goldman published 1981)
- Besser, Howard, and Nancy Goldman (1977). **Film-Study Resources at UCB: Printed Materials**, Berkeley: ASUC (2nd edition by same authors published 1978)
- Besser, Howard, Eric Brenner, and Nancy Goldman (1977). **Film-Study Resources at UCB: Non-Print Materials & Journals**, Berkeley: ASUC

Media Works

- Lunin, Lois F., Howard Besser, and Linda Zirnitiz (1990). **Transformation of an Icon**, *Computer Art*, Published in the book **Many Pages** by the Textile Study Group of New York
- Besser, Howard (1986). **The Spanish Revolution**, *Video*, Berkeley
- Besser, Howard (1976). **The Anarchist Film**, *Unpublished Bachelor's Thesis*, Berkeley
- Besser, Howard, Ellen Bernstein, and Ken Dreyfus (1972). **Ready Maid**, *Film*, Berkeley
- Besser, Howard (1970). **Strum Your Strumpet**, *Film*, Berkeley

Exramural Sponsored Projects (Grants and Gifts)

Position	Topic	Funding Source	Amount	Dates
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Director	Education & Training for Moving Image Specialists	National Endowment for Humanities	\$181,000	2014-2016
Director	Education & Training for Moving Image Specialists	IMLS 21 st Century Libraries	\$350,375	2013-2015
Director	Graduate Education for Moving Image Specialists	National Endowment for Humanities	\$164,000	2012-2014
Director	Video At Risk	Andrew W. Mellon Foundation	\$522,200	2010-2012
Director	Moving Image Archivists: Training and Research	IMLS 21 st Century Libraries	\$796,250	2008-2011
NYU Director	Preserving Born-Digital Public Television	National Digital Information Infrastructure and Preservation Program	\$540,000	2004-2010
Director	Education and Professional Training for Moving Image Archivists	National Endowment for Humanities	\$125,000	2008-2010
Director for MIAP portion (\$213,000); Researcher for remainder	Developing Principles and Methodologies for AV preservation in libraries	Andrew W. Mellon Foundation	\$636,600	2006-2008
Director	Research on preserving audiovisual material in post-Katrina New Orleans	Center for Catastrophe Preparedness	\$14,000	2006
Director	Curriculum Development for Moving Image Archiving Education	National Endowment for Humanities	\$350,000	2003-2007
Director	Curriculum Development for Moving Image Archiving Education	Getty Foundation	\$136,000	2003-2007
Co-Director (with Aimée Dorr)	Initiative on 21 st Century Literacies	Pacific Bell	\$1,000,000	2000-01
Recipient	Workstations for Innovative Research	Intel Research	\$29,000	1999
Research Team	Making of America II Testbed Project	National Endowment for Humanities	\$266,760	1998-99
Director	Web-based Instructional Support for large classes	Anonymous	\$270,000	1997-99
Director	Economic and Social Implications of the Production, Distribution, and Usage of Image Data	Andrew W. Mellon Foundation	\$250,000	1996-99

Professional Organizations, Committees, Awards

Library of Congress select list of Digital Preservation Pioneers

American Library Association representative to the Audio-Visual & Multimedia Section of the International Federation of Library Associations, 2007-2014

National Archives Electronic Records Preservation Review Panel, National Research Council, National Academy of Sciences, 2002-2004

Preservation Committee, Electronic Literature Organization, 2002-2005

InterPARES Project, International Research on Permanent Authentic Records in Electronic Systems, 2002-2006
Actors/Agents Metadata, International Working Group, National Science Foundation/European Community DELOS, 2002-2005
Preservation Committee, Electronic Literature Organization, 2002-2004
Strategic Architecture, Technology, and Standards Working Group, California Digital Library, University of California Office of the President, 1998-2003
Information Commons Task Force, American Library Association, 2001-2002
Pervasive Computing and Society, UCLA, 2001-2002
Society & Technology, UCLA Chancellor's Campuswide Planning Group, 2001
Task Force on Digital Preservation and Archiving, University of California Systemwide Library Operations and Planning Group, 2001
Pilot Art and Technology Network Planning Committee, The Kitchen (Ford Foundation funded), 2001
Art, Technology, & Intellectual Property, Steering Committee, American Assembly, 2000-2001
Building Blocks, Visual Resources Visual Resources Group, National Initiative for a Networked Cultural Heritage, 2000-01
Steering Committee, Invitational Meeting on Technical Metadata Elements for Image Files (sponsored by National Informational Standards Organization and the Digital Library Federation), 1998-2000
Intellectual Property Study Committee, National Research Council, National Academy of Sciences, 1998-99
Metadata Committee, Digital Library Collaboratory (co-sponsored by European Community and US National Science Foundation), 1998-99
The Economics of Networked Access to Visual Information, Principle Investigator on \$250,000 2-year grant from Andrew W. Mellon Foundation, 1996-98
The Outstanding Information Studies Teacher of 1995, American Society for Information Science, 1995
 Commission on Preservation & Access and Research Libraries Group, *Task force on Preservation of Digital Information*, 1995-1996
 Museum Education Site License Project, *Steering Committee*, 1994-1998
 American Association of Museums, *Interactive Multimedia Competition*, Jury Chair, 1994-95
 International Standards Organization, *Committee for Coded representation of picture, audio, and multimedia/hypermedia information (JTC1/SC29)*, 1991-95
 Clearinghouse for Museum Information, 1990-96 (*Board of Directors*)
 Computer Professionals for Social Responsibility, 1990-
 Museum Computer Network, 1986-2000
 International Visual Literacy Association, 1982-1991
 Pittsburgh Filmmakers, 1989-93 (*Board of Directors and Chair of long-range planning committee, 1991-92*)
 International Visual Literacy Association, 1982-1991
 Association for Educational Communication & Technology, 1979-1990
 Anarchos Institute, 1982-85
 California Library Association, 1983-1989
 UC Berkeley Campus Media Coordination Committee, 1976-1988
 California Media Library Educators Association, 1978-1988
 Committee to Set Standards for a *National Computerized Database for Moving Image Materials* (Library of Congress/National Endowment for the Arts), 1984
 American Association for State and Local History, 1986-1989
 American Library Association, 1979-

Graduate Courses Taught (pre-2002)

Information and Society

- UCLA Department of Information Studies, 2000

Visual Materials: Metadata and Best Practices for Digital Libraries

- UCLA Department of Information Studies, 2000

Digital Collections of Still and Moving Images

- UCLA Department of Information Studies and UCLA Film & Television Department, 2000

Multimedia: Issues in using Visual Material in Cultural Heritage Organizations

- UCLA, 2001, 2002
- UC Berkeley School of Information Management & Systems, and UCLA Department of Information Studies, 1999 (*with Anne Gilliland-Swetland*)

Web Design and Development

- UC Berkeley School of Information Management & Systems, 1997-99

Impact of New Information Environments: Multimedia and Networks,

- UCLA Department of Information Studies, 1999-2001
- UC Berkeley School of Information Management & Systems, 1996-1999
- UC Berkeley Haas School of Business, 1996-1997
- Univ of Michigan School of Information & Library Studies, 1995 (as distant learning course)
- UC Berkeley School of Library & Information Studies, 1993-1995

Protection of Digital Information

- UC Berkeley School of Information Management & Systems, Berkeley Multimedia Research Center, 1996

Image Databases,

- University of Michigan School of Information & Library Studies, 1995
- UC Berkeley School of Library & Information Studies, 1993
- University of Pittsburgh School of Library & Information Sciences, 1990-92

Organization of Information,

- University of Pittsburgh School of Library & Information Sciences, 1989-1992

Social Effects of Information Technology,

- University of Pittsburgh School of Library & Information Sciences, 1992

Applications of Microcomputers,

- University of Pittsburgh School of Library & Information Sciences, Winter 1990

Computer Approaches to Qualitative Social Science Research,

- UC Berkeley Sociology Department, 1988

Other Instructional Experience (pre-2002)

Instructor, **Workshop on Digitization Projects for Archives and Special Collections**, Smithsonian Institution, October 29, 2001

Organizer and Facilitator, **Digital Preservation Workshop**, San Francisco Museum of Modern Art, February 2, March 23, and April 13, 2001

Instructor, Digital Libraries Workshop,

- University of Southern California, Los Angeles, July 20, 1999
- Arizona State Library, Phoenix, July 6, 1999

Instructor, Metadata Workshop,

- UC Systemwide Librarians, Irvine, May 23, 2000
- UC Systemwide Librarians, Berkeley, May 19, 2000
- American Library Association, San Antonio, January 16, 2000
- Library & Information Technology Association, Raleigh, November 5, 1999
- American Society for Information Science: DC October 30, 1999; Pasadena May 23, 1999
- Computers in Libraries, DC, March 1, 1998

Instructor, Distance Education Workshop,

- University of Southern California, Los Angeles, July 21, 1999

Instructor, Workshop on Advanced Issues in Image Databases,

- Chicago Library Systems, Chicago, October 21, 1997
- Museum Computer Network, Ottawa, October 30, 1996
- Electronic Imaging and the Visual Arts, London, July 23, 1996

Instructor, Image Databases Mini-Course,

- American Society for Information Science, Pittsburgh, October 25, 1998; DC, November 1, 1997; Scottsdale, June 1, 1997; and Baltimore, October 20, 1996
- FUNARTE-Brazilian National Foundation for the Arts, Rio de Janeiro, August 9-15, 1997
- Association for Image Information Management, Chicago, April 2, 1996
- National Online, New York, May 1, 1995 and May 13, 1994
- American Society for Information Science: Minneapolis, May 23, 1995, Alexandria VA, October 20, 1994, Columbus OH, October 24, 1993, and Knoxville, May 23, 1993
- New England ASIS, Harvard Graduate School of Design, Cambridge, MA, October 6, 1993
- Optical Information Systems, Washington, DC, September 10, 1990
- Italian Association for Computing Machinery, Milan, November, 1990 and May, 1990

Instructor, Image Databases for Museums: A Mini-Course,

- Walker Art Center, Minneapolis, October 28, 1997
- Canadian Heritage Information Network, Ottawa, October 29, 1996
- International Conference on Hypermedia and Interactivity in Museums, Museum Computer Network, San Diego, October 10, 1995
- International Documentation Committee, International Council of Museums, Washington, August 31, 1994
- Northeast Museum Computer Network, Boston, February 1, 1994
- Museum Computer Network, Seattle, November 3, 1993 and Pittsburgh, October 28, 1992
- International Conference on Interactivity and Hypermedia in Museums, Museum Documentation Association, Cambridge, UK, September 21, 1993

Instructor, Image Databases for Librarians Short Course,

- Chicago Library System, October 20, 1997
- Library & Information Studies Continuing Education, Madison, April 14, 1997
- Great Lakes Conference, Special Libraries Association, Chicago, March 22-23, 1995
- UCLA, January 17, 1995
- Committee for Interinstitutional Cooperation, Chicago, November 10-11, 1994
- University of Illinois, Champaign, November 2, 1994
- McGill University, School of Library Science, Montreal, June 14, 1994

Instructor, Image Databases for Art Librarians, Art Librarian Society of North America, San Francisco, January 30, 1993

Instructor, Using Computers in Qualitative Research, American Sociological Association Teaching Services Program Workshop, Stanford University, July 1987

Co-Instructor, Production of Mediated Programs, UC Berkeley Graduate School of Education, 1983-1986

Instructor/Consultant, Computer and Media Operation and Interfacing, UCB Graduate School of Education, 1977-1986

Co-Instructor, The Art, Science, and Techniques of Video Utilization; An Innovative Institute, American Orthopsychiatric Convention, 1978

Summer 2001 Additional Public Outreach

Interviewee on National Public Radio

New York Times Archive, All Things Considered, 6/29/01,
<http://www.npr.org/ramfiles/atc/20010629.atc.17.ram>

Author of article on how Supreme Court Intellectual Property decision will affect scholarship

Publishers Should Preserve E-Record, UCLA Today 22:1, July 31, 2001, page 7
<http://www.today.ucla.edu>

Interviewee for newspaper article

Freelancers Own Electronic 'Reprints', Los Angeles Times, 6/26/01

Talks, Guest Lectures, and Papers Delivered (until 2002)

The Case for an Information Commons: Responses to the Current Copyright Environment

BayNet Library Network, San Francisco, May 22, 2002

Adaptive Design: Repurposing Museum Content for Different User Groups

American Association of Museums, Dallas, May 14, 2002

Adaptive System Design and Digital Divide Policy

Seminar on Information Access, School of Information Management & Systems, UC Berkeley, April 26, 2002

Preserving New Media: Issues in Saving the Orphan/Ephemeral/Experimental Films of the Future

Department of Cinema Studies, New York University, April 11, 2002

Problems of Preserving Electronic Literature

Electronic Literature Organization, April 6, 2002

Commodification of Information: The Disappearance of Public Space in Cyberspace

I T Littleton Invitational Seminar, North Carolina State University, Raleigh, April 2, 2002

Commodification of Information and the Assault on Public Space

Golden Gateway Library Network, San Francisco, March 19, 2002

International Standards, Collaboration, and Interoperability

International and Comparative Library & Information Studies, UCLA, March 5, 2002

Values-Based Design

Center for Information Technology Research in the Interest of Society, UC Berkeley, March 1, 2002

Moving from Isolated Digital Collections to Interoperable Digital Libraries

Victorian Association for Library Automation, Melbourne Australia,

	February 8, 2002 (<i>keynote</i>)
The Importance of Information Literacy to University Faculty	University of La Verne Faculty Retreat, UCLA Lake Arrowhead Conference Center January 30, 2002
Recent Digital Preservation Activities	National Initiative for a Networked Cultural Heritage, Los Angeles, December 8, 2001
Building Blocks: Getting Projects Done	National Initiative for a Networked Cultural Heritage, Los Angeles, December 7, 2001
Administrative, Longevity, and other Metadata	School for Scanning, Delray Beach, December 7, 2001
Digital Divide Policy and Adaptive System Design	Coalition for Networked Information, San Antonio, November 30, 2001
Implications of the Wireless Society	9/11 -- Networks to Nanosystems, UC Digital Arts Research Network, UCLA, November 13, 2001 (<i>panelist</i>)
Design Principles for Information Delivery Systems: The UCLA/PACBELL Initiative for 21st Century Literacies	American Society for Information Science, Washington, November 6, 2001 (<i>poster</i>)
Research and Education for Information Professionals	Resolution to Representation: Current Research in Digital Imaging and the Education of Digital Image Managers, American Society for Information Science, Washington, November 5, 2001
Commodification of Culture Harms Creators	American Library Association Information Commons retreat, Wye River Maryland, November 3, 2001
Why 21st Century Literacies Matter	Technology Marketplace: Unlocking Technology's Productivity Potential, Pleasanton, CA, October 23, 2001
What is an Information Commons and Why Should We Care?	Nurturing the CyberCommons, Computer Professionals for Social Responsibility, Ann Arbor, October 19, 2001 (<i>keynote</i>)
Intellectual Property Issues for the University	Intellectual Property, Copyright, & the Internet: Scholarship in the Digital Age, UC Santa Barbara, October 12, 2001
Intellectual Property Issues for Multimedia	NINCH Copyright Town Hall Meeting, New York Public Library, September 24, 2001
Longevity of Electronic Art	International Cultural Heritage Informatics Meeting, Milan, September 5, 2001

Preservation of Variable Media	The Arts & Streaming Media, California Digital Arts Workshop, American Film Institute, Los Angeles, August 17-18, 2001
Partnerships Between Collections that are Different: The California Digital Library	UCLA/Getty Summer Institute for Knowledge Sharing, Los Angeles, August 9, 2001
Introduction to Special Collection Digitization Projects	UCLA/Getty Summer Institute for Knowledge Sharing, Los Angeles, August 6, 2001
Digital Longevity: Problems and Policy	Colorado Cultural Heritage Collaboration in the Digital Age, Denver, June 29, 2001
Contextualizing Anarchism throughout History	History of Anarchism, La Peña Cultural Center, Berkeley, June 20, 2001
Introduction to Metadata for Digital Asset Management	Collaborative Collection Development of Web Resources, Library Information Technology Association, American Library Association, San Francisco, June 16, 2001
The Napster Phenomenon: Why Should Librarians Care?	I Want My MP3: Intellectual Property and Libraries, American Library Association, San Francisco, June 16, 2001
Metadata for Digital Asset Management	Preservation Seminar on Microfilming and Digitization, Belo Horizonte, Brazil, June 1, 2001
Planning to Maximize Longevity of Digital Information	Preservation Seminar on Microfilming and Digitization, Belo Horizonte, Brazil, May 31, 2001 (<i>keynote</i>)
How can we save digital information?	Panel, Digital Information: Access and Preservation in a Changing World, Academic Business Librarians Exchange, California Association of Research Libraries, Stanford, May 25, 2001
Digital Longevity, Preservation, and Access	Digital Longevity: Access and Preservation in a Changing World, Academic Business Librarians Exchange, California Association of Research Libraries, Stanford, May 25, 2001
Services, Users, and a Social Mission	The Digital Library, TextOneZero Electronic Publishing Conference, Brooklyn, May 23, 2001
The New Information Environments: Helping Content Persist	TextOneZero Electronic Publishing

Over Time	Conference, Brooklyn, May 22, 2001
Digital Documents: Longevity and Copyright Issues	Organization of American Historians, Los Angeles, April 27, 2001
Disappearing Public Spaces: A Metaphor for the Disappearing Public Domain	Art Library Society of North America, Los Angeles, April 3, 2001
Copyright as Commodification of Information	Bay Area Anarchist Conference, March 25, 2001
Preserving Moving Image Materials	Archiving & Media Production in the Digital Age, UCLA, March 16, 2001
A Research Agenda	PhD Student Forum, UCLA, March 15, 2001
Metadata for Planning	School for Scanning, Habana Cuba, March 8, 2001
Adaptive Systems: Bridging the Gap	To Have & Have-Not, Visual Resources Association, Chicago, February 28, 2001
Longevity of Complex Works	Seminar on Information Access, School of Information Management & Systems, UC Berkeley, February 16, 2001
Art in a Digital World: Technology & Intellectual Property	Art, Technology, & Intellectual Property, American Assembly, Harriman NY, February 9, 2001
Moving from Isolated Digital Collections to Interoperable Digital Libraries, Museums, & Archives	Missouri Statewide Digitization Conference, St. Louis, February 8, 2001 (<i>keynote</i>)
Longevity of Digital Art	San Francisco Museum of Modern Art, Seminar on Digital Preservation, San Francisco, February 2, 2001
Information Literacy: Beyond Users to Design: the UCLA/Pacbell Initiative for 21st Century Literacies	Coalition for Networked Information, San Antonio, December 7, 2000
Copyright Dangers: Implications for Public Access	Digital Dilemma: Intellectual Property in the Digital Age, National Academy of Sciences, UCLA, November 28, 2000
PhD Student Research on Moving Images	Association of Moving Image Archivists, Universal City CA, November 18, 2000
The Digital Dilemma	Public Policy, UCLA, October 30, 2000
Design Issues for 21st Century Literacies	California Association of Philosophers of Education, UCLA, October 29, 2000
UCLA/Pacbell Initiative for 21st Century Literacies	National Forum on Information Literacy,

	DC, September 25, 2000
Visual Resources and New Information Technologies	Building Blocks, National Initiative for a Networked Cultural Heritage, September 23, 2000
Digital Imaging: What's in the Future?	School for Scanning, Seattle, September 20, 2000
Educating Museum Professionals	Museum Computer Network, Las Vegas, September 8, 2000
What's So Special About Electronic Art?: Issues in Conservation of Digital Works	Museum Computer Network, Las Vegas, September 8, 2000
Information Literacy: Beyond Users to Design	Museum Computer Network, Las Vegas, September 7, 2000 (<i>keynote</i>)
Digital Asset Management: An Academic View	Building the Archive, Seybold Publishing Conference, San Francisco, August 29, 2000
Digital Longevity	Knowledge Sharing Institute, UCLA, August 4, 2000
UCLA/Pacbell Initiative for 21st Century Literacies	Digital Divide, National Academy of Sciences, Menlo Park, August 3, 2000
Planning for Digital Projects: Interoperability and Standards	Knowledge Sharing Institute, UCLA, July 31, 2000
Museums and Technology: What Business are we really in?	California Association of Museums, San Jose, July 29, 2000 (<i>keynote</i>)
The Future of Digital Imaging	Digital Imaging Preconference, Library Information Technology Association, Chicago, July 7, 2000
Emerging Standards for Complex Works	JISC, Stratford-upon-Avon, June 16, 2000
The Digital Dilemma: Intellectual Property in the Information Age	JISC, Stratford-upon-Avon, June 14, 2000
Saving Conservation Documents Over Time	Emerging Technologies, American Institute for Conservation, Philadelphia, June 11, 2000
What's so Special About Electronic Art? Isssues in Conservation of Digital Works	The Preservation Imperative, American Institute for Conservation, Philadelphia, June 9, 2000
Image Metadata Issues	Challenge of Information Retrieval, Brighton UK, May 5, 2000 (<i>keynote</i>)
Pornography and New Technology Research	GSE&IS Faculty Executive Committee,

- UCLA, April 20, 2000
- The Disappearing Public Domain: what is it, what's happening to it, and why should we care?** Public Domain: Implied, Inferred, and In Fact, NINCH Town Meeting on Intellectual Property, Visual Resources Association, San Francisco, April 5, 2000
- Issues in Archiving and Access to Rich Media** Internet Archive Colloquium 2000, San Francisco, March 9, 2000
- Digital Delivery of Instructional Support Materials: How will our learning institutions change?** Learning Resources Association of California Community Colleges, Sacramento, March 3, 2000 (*keynote*)
- Multimedia Librarianship: What the Next Generation Librarian Needs to Know** Association of Library & Information Science Educators, San Antonio TX, January 13, 2000
- Research Results from Multi-Institutional Collaborative Digital Image Distribution** Great Plains Image Bank Consortium, Austin TX, January 7, 2000
- Impact of technological and economic changes on social institutions and daily life** Information in Society, UCLA, Los Angeles, December 7, 1999
- Copyright and Digital Information** Contemporary Issues in National Information Policy, UCLA, Los Angeles, December 6, 1999
- University Digital Image Distribution: Results of a Study** EDUCAUSE, Long Beach CA, October 28, 1999
- Research into Image Distribution Costs and Use** SIMS Affiliates, School of Information Management & Systems, UC Berkeley, October 22, 1999
- Recent Digital Imaging Issues** Electronic Images in Libraries, University of North Texas, Denton, October 19, 1999
- Textbook Methodology Confronts Reality in Digital Libraries: Lessons from studies of a multi-site digital image distribution project** UCLA Department of Information Studies Colloquium, Los Angeles, October 14, 1999
- Image and Metadata Distribution at 7 University Campuses: Reports from a Study of the Museum Educational Site Licensing Project** Third European Conference on Research and Advanced Technology for Digital Libraries, Paris, September 22, 1999
- The Library of the Future** Information Futures Institute, San Francisco, September 18, 1999
- Network Access to Visual Information: A Study of Costs and Uses** International Federation of Library Associations, Bangkok, August 24, 1999
- Making of America II: Structural & Administrative Metadata for Distributed Digital Libraries** Digital Libraries '99, Association for Computing Machinery, Berkeley, August

- 12, 1999
- OAC as an example of Special Collection Digitization: the Collection, the Institution, Scholarship, Interoperability, Longevity**
Getty/UCLA Summer Institute for Knowledge Sharing, Los Angeles, August 3, 1999
- Implications in Digitizing Special Collections Materials**
Rare Books & Manuscripts, American Library Association Pre-Conference, Montreal, June 23, 1999 (*keynote*)
- Metadata, Images, and Digital Libraries**
School for Scanning, Chicago, June 2, 1999
- Network Access to Visual Information: a Study of Costs and Use**
American Society for Information Science, Pasadena, May 25, 1999
- Structural and Administrative Metadata for Distributed Digital Libraries: the Making of America II Project**
American Society for Information Science, Pasadena, May 24, 1999
- Providing Network Access to Visual Information: Results from a study of the Museum Educational Site Licensing Project**
Electronic Imaging and the Visual Arts, New York Museum of Modern Art, May 21, 1999
- Image Metadata**
Standards Issues for Museums, Electronic Imaging and the Visual Arts, New York Museum of Modern Art, May 21, 1999 (*keynote*)
- Issues in Electronic Publication of Image Databases: Report from a study of the Museum Educational Site Licensing Project**
Electronic Publishing '99, Ronneby Sweden, May 11, 1999
- Copyright and Distance Education**
Information Resources for the 21st Century: Content, Access, People, EDUCAUSE & Coalition for Networked Information, Portland Oregon, May 6, 1999
- Recent Findings from Multi-Institution Digital Image Distribution Projects**
Coalition for Networked Information,, Washington DC, April 27, 1999
- Instructional Support Material on the Web: Collaborative Efforts**
Coalition for Networked Information,, Washington DC, April 26, 1999
- Why is Image Metadata Important?**
Workshop on Technical Metadata Elements for Images, National Information Standards Organization & Digital Library Federation, Washington DC, April 18, 1999
- Using Digital Images on Campus: Lessons from the Museum Educational Site Licensing Project and its descendants**
Association of College & Research Libraries, Detroit, April 9, 1999
- The UCB Mellon Grant Studying MESL: What Have We Learned about Digital Image Distribution**
Visual Resources Association, Los Angeles, February 13, 1999

Why Copyright Exemptions for Distance Learning Need to Continue	Copyright Office Hearings on Distance Education And the Millenium Copyright Act, Los Angeles, February 10, 1999
Compression Poses Longevity Problems	Issues in Compression of Digital Images, ALCTS/PARS Reformatting Section, American Library Association, Philadelphia, January 31, 1999
Designing and Maintaining Online Curriculum Support Materials	Distance Learning Forum, American Library Association, Philadelphia, January 31, 1999
Designing Websites for Large Undergraduate Classes	Berkeley Multimedia Research Center Retreat, Berkeley, January 14, 1999
Project Planning for Digitization: Where are we and where are we going?	School for Scanning, New Orleans, December 7, 1998
Metadata, Images, and Digital Libraries	School for Scanning, New Orleans, December 8, 1998
Issues and Cautions for Museum Images in a Digital Environment	Current Issues in Intellectual Property, American Association of Museums, December 4, 1998
Recent Copyright Changes: Dangers to the Public Interest	University of San Francisco, November 3, 1998
Information Technology and changes to the Social Fabric	Information in Society, UCLA School of Education & Information, Los Angeles, November 2, 1998
Teaching with Advanced Technology	Center for Western European Studies, UC Berkeley, October 21, 1998
Structural and Administrative Metadata for Distributed Digital Libraries	Making of America II, Digital Library Federation, New York, September 29, 1998
Continuing Education for Cultural Heritage Information Professionals	Museum Computer Network, Santa Monica, September 26, 1998
The UCB Mellon Grant Studying MESL: What Have We Learned about Digital Image Distribution & Museums?	Museum Computer Network, Santa Monica, September 25, 1998
Imaging: Quality Control, Preservation, Longevity	Collaborative Planning for Digitization, Western Council of State Librarians, Denver, September 19, 1998 (<i>keynote</i>)
Web-based Instructional Support	Webnet Developers, UC Berkeley, September 15, 1998
Digital Image Distribution on University Campuses	Technology & the Arts, American Library

	Association, Washington, June 28, 1998
Copyright & the Suppression of Access to Digital Information: Attacks on the Concept of Fair Use	Union for Democratic Communications, University of San Francisco, San Francisco, June 13, 1998
Assessing Digital Distribution of Images and Metadata	National Online Conference, New York, May 14, 1998
The Making of America II: Structural and Administrative Metadata for Distributed Digital Libraries	School of Information Management & Systems, UC Berkeley, May 8, 1998
Delivery, Deployment, and Use of Digital Images: Lessons from a major University/Museum Consortial Project	Xerox PARC Forum, Palo Alto, April 30, 1998
Dissemination of Images on University Campuses: Preliminary Results of a Mellon-sponsored study of the Museum Educational Site Licensing Project	Coalition for Networked Information, Crystal City VA, April 15, 1998
Image Databases and Digital Libraries	Vassar College, Poughkeepsie, March 26, 1998
Issues in Migration of Information to New Systems: the Value of Metadata	Information Ecosystems Conference, National Archives, College Park, March 12, 1998
Planning Information Management Systems to Maximize Longevity	Information Ecosystems Conference, National Archives, College Park, March 10, 1998
Digital Libraries, Metadata, and Longevity	Computers in Libraries, Crystal City VA, March 2, 1998
Fair Use and Licensing	Copyright Town Hall Meeting, College Art Association, Toronto, February 26, 1998
Long-term Preservation of Digital Material	Time and Bits, Los Angeles, February 8, 1998
Creating and Revamping Course Websites	Tools for Classroom Technology, Berkeley Multimedia Research Center, Berkeley, January 13, 1998 (<i>keynote</i>)
Imaging: What have we learned? What must we still learn?	School for Scanning, New York City, November 5, 1997
Digital Technology: Where Are We?	School for Scanning, New York City, November 3, 1997 (<i>keynote address</i>)
Distance Learning	American Council of Learned Societies, Houston, October 30, 1997
Different Query Systems on Identical Data Sets	Coalition for Networked Information, Minneapolis, October 27, 1997

- Intellectual Property: Distribution Issues for Museums** Museum Computer Network, St. Louis, October 18, 1997
- Professional Standards for Museum Documentation** Museum Computer Network, St. Louis, October 16, 1997
- Emerging Metadata Standards** Museum Computer Network, St. Louis, October 15, 1997
- Images & Text: Teaching, Using, and Saving** Mixed Messages, Univ of North Carolina, Charlotte, October 12, 1997
- Comparing Five Implementations of the Museum Educational Site Licensing Project** International Conference on Hypermedia and Interactivity in Museums, Paris, September 5, 1997
- Business and Military Influences on the Contemporary Library** "The Cold War: Social Science Research, Scholarly Communication, and the Development of New Information Resources", ACRL Anthropology & Sociology Section, American Library Association, June 29, 1997
- Commentary** "Universal Access Tomorrow: Silicon Valley Meets the Library", LITA Technology and Access, American Library Association, San Francisco, June 28, 1997
- The Variety of Displays for a Single set of Museum Images** Houston Museum of Fine Arts, Houston, June 16, 1997
- Metadata Issues for Digitized Photographic Collections** Digitizing Photographic Collections Conference, Rochester, June 8, 1997
- Options for Protection of Digital Images: Watermarks, Signatures, & Encryption** Protection and Rights Management Schemes for Digital Images, American Society for Information Science, Scottsdale, June 4, 1997
- Security and Intellectual Property Management Systems: Social and Cultural Impact** Protection and Rights Management Schemes for Digital Images, American Society for Information Science, Scottsdale, June 4, 1997
- Issues in Scanning** (daily commentary and summary) School for Scanning, National Park Service and Northeast Document Conservation Center, Berkeley, May 12-14, 1997
- The Erosion of Public Protection: Attacks on the Concept of Fair Use** Copyright Ownership and Fair Use in an Age of Licensing, Boalt Hall School of Law, UC Berkeley, May 10, 1997

- The Future** Cybersemester, UC Berkeley, April 22, 1997
- Privacy and Medicine in the New Information Environment** Technology and Public Health, School of Public Health, April 17, 1997
- Issues in Delivering Images and Text from Diverse Environments via University Information Systems** Berkeley Multimedia and Graphics Seminar, Computer Science Department, UC Berkeley, April 16, 1997
- Integrating Collections Management Information into Online Exhibits: The Worldwide Web as a facilitator for linking 2 separate processes** Museums and the WorldWide Web, Los Angeles, March 19, 1996
- Issues in Delivering Images and Text from Diverse Environments Via University Information Systems: Lessons from the Museum Educational Site Licensing Project** Department of Library & Information Science, UCLA, Los Angeles, March 4, 1997
- Copyright for Multimedia Producers** Internet Webvideo Studio, UC Berkeley, February 19, 1997
- Observations on Teaching with Technology** New Media Teaching and Learning Technologies, UC Berkeley, February 16, 1997
- Protection of Digital Information** Berkeley Multimedia Research Center, UC Berkeley, February 16, 1997
- Distance Learning in the Humanities & Social Sciences: Doing it, Supporting it, and Looking at its Impact** Advanced Information Technologies Group and Digital Library Research Program, University of Illinois, Urbana, February 10, 1997
- Metadata Standards for Visual Images** Museum Computer Network, Ottawa, November 1, 1996
- Retrieval and Study of Digital Images: Lessons from the Museum Educational Site Licensing Project** Digital Imagery: Photographs and Art, American Society for Information Science, Baltimore, October 22, 1996
- Current Developments in Imaging Standards** National Information Standards Organization, American Society for Information Science, Baltimore, October 22, 1996
- The Museum Educational Site Licensing Project: The Library's Role in Multi-Institution Distribution of Digital Images** Joint National Conference of the Library Information Technology Association and the Library Administration & Management Association, Pittsburgh, October 15, 1996
- Impact of Information Commercialization: The Downside** Joint National Conference of the Library Information Technology Association and the Library Administration &

	Management Association, Pittsburgh, October 14, 1996
Image Metadata: What do we need?	(plenary) CNI/OCLC Workshop on Metadata for Digital Images, Dublin Ohio, September 24, 1996
What have we learned? What must we learn?	(closing plenary) School for Scanning, National Park Service/Smithsonian, September 13, 1996
Threats to Public Access in the Digital Age	San Francisco Public Library, San Francisco, August 7, 1996
Issues in Image Delivery and Deployment: Lessons from the Museum Educational Site Licensing Project	Electronic Imaging and the Visual Arts, London, July 25, 1996
Resources for Image Databases	Digital Library Clinic, Berkeley, July 18, 1996 and August 1, 1996
Distribution of Images from Museums to Universities: The Museum Educational Site Licensing Project	Technology and the Arts, American Library Association, New York, July 8, 1996
The Museum Educational Site Licensing Project: Distribution and Deployment Issues	American Society for Information Science, San Diego, May 22, 1996
Distant-Independent Learning	American Society for Information Science, San Diego, May 21, 1996
Distant-Independent Learning	Community Networking Conference, Taos, May 16, 1996
Lessons from the Museum Educational Site Licensing Project	Coalition for Networked Information, Washington, March 26, 1996
Image Databases: The First Decade, the Present, and the Future	Illinois Clinic on Digital Image Access and Retrieval, Champaign, March 24, 1996 (<i>keynote</i>)
Hypermedia in Support of Distant-Independent Education	Hypertext '96, Association for Computing Machinery, Bethesda, March 20, 1996
Developing a New Curriculum for Digital and Multimedia Publishing	Computers in Libraries, Washington DC, February 29, 1996
Networked distribution of digital images: The Museum Education Site License Project	Computers in Libraries, Washington, DC, February 28, 1996
Art Resources on the Internet	College Art Association, Boston, February 21, 1996
Collaboration and Sharing: The Museum Education Site License Project	Information Highways and Byeways, American Association of Museums, San Francisco, February 16, 1996

- Issues in Cataloging Digital Files** New York State Library, Albany, February 5-6, 1996
- Interactive Distance-Independent Education: Challenges to Traditional Academic Roles** Association for Library and Information Science Education, San Antonio, January 18, 1996
- Building a Curriculum for Digital Documents** Hawaii International Conference on System Sciences, Maui, January 4, 1996
- Authenticity, Ownership, & Commercialism of Digital Images** Ethics of the Internet, UC Berkeley, November 18, 1995
- Using Multimedia and Networks to Teach about Museums: Issues in Maintaining a WWW Site to Facilitate Distance Learning** Hands-On: The International Conference on Hypermedia and Interactivity in Museums, San Diego, October 12, 1995
- Imaging: The Myth and the Mysticism** Michigan ASIS, Detroit, September 26, 1995
- Converging Media, Converging Corporate Interests: The Impact of Digital on Libraries** Institute on Motion Media and the Library of the Future, Austin, August 4, 1995
- Multimedia Issues on the WorldWide Web** International Business Programs, University of California Extension, Berkeley, July 18, 1995
- The Museum Education Site License Project** Time, Space, & Distance: The Future of Preserving & Accessing the Past, Charlotte, June 2, 1995
- Teaching With Electronic Documents** American Society for Information Science, Minneapolis, May 25, 1995
- Privacy, Security, and Ownership of Health Information** Technology and Public Health, School of Public Health, University of California, Berkeley, April 28, 1995
- Defining Digital Images: Versions, Editions, and Derivative Images** Coalition for Networked Information, Washington, April 10, 1995
- Authenticity in Cyberspace** Ethics of the Internet, School of Library & Information Studies, University of California, Berkeley, April 8, 1995
- Update on Imaging Standards and Activities** School of Library & Information Studies, University of California, Berkeley, February 24, 1995
- The Future of Public Libraries** Maryland Association of Public Library Administrators, Solomon's Island, MD, February 23, 1995
- Introduction to Electronic Imaging** Visual Resources Association, San

- Antonio, January 26, 1995
- Images and the Research Library**
New York Public Library Trustees, New York, December 12, 1994
- Developing Curriculum for Digital Documents**
New frontiers: graphic design in emerging technologies, American Institute of Graphic Artists, Boston, December 11, 1994
- What is an Archival Image?**
George Eastman Lecture, Optical Society of America, Rochester, December 6, 1994
- Images, Storage, Bandwidth, Architectures**
Electronic Publishing, School of Information & Library Studies, University of Michigan, Ann Arbor, November 14, 1994
- Social and Cultural Aspects of Advanced Information Technology**
School of Library & Information Studies, University of Illinois, Champaign, November 3, 1994
- Museums, Networks, Multimedia, & Libraries**
School of Library & Information Studies, University of Illinois, Champaign, November 3, 1994
- Hot Topics: Pornography**
American Society for Information Science, Alexandria Virginia, October 19, 1994
- Standards for Imaging and Multimedia**
American Society for Information Science, Alexandria Virginia, October 17, 1994
- Understanding and planning for Digital Imaging Projects**
Digitization and the Creation of Virtual Libraries, VTLS, Mountain Lake Virginia, September 19, 1994
- Planning an Intergrated Museum Information Management System**
Museum Computer Network, Washington, September 2, 1994
- Progress Towards Implementing Open Exchange: Images and Multimedia**
Museum Computer Network, Washington, September 2, 1994
- Technical Standards Issues facing Image Databases**
University of California Systemwide Academic Computing Services Conference, Berkeley, July 25, 1994
- Image Databases**
Access to Digital Images: Finding your way in the Labyrinth, Library Information Technology Association, Optical Information Systems Interest Group, American Library Association, Miami, June 26, 1994 [LITA Newsletter 15:4, Fall 94, pp 27-28]
- The Information Highway Has Many Potholes**
The NII: Universal Access or Information

- Apartheid, Social Responsibilities Roundtable, American Library Association, Miami, June 25, 1994
- Video and the Information SuperHighway** Emerging Technologies: Dilemma or Challenge to Video Services in Libraries, ALA Video Round Table, American Library Association, Miami, June 25, 1994
- The Future of Video** Acquiring Librarians Want to Know: Acquisition and Collection Development of Video Resources, Association for Library Collections & Technical Services, American Library Association, Miami, June 25, 1994
- Social Change from using digital images** Curatorial Use of Images: Working Group for Digital Imaging, George Eastman House, Rochester, June 4, 1994
- Using Internet Resources to Teach About Internet Impact** American Society for Information Science, Portland, OR, May 23, 1994
- Architectures for Image Databases** Canadian Centre for Imaging and Sound, Vancouver, BC, May 14, 1994
- High End Multimedia Applications and the Internet** American Association of Museums, Seattle, April 27, 1994
- The Global Village: Navigating the Internet** American Association of Museums, Seattle, April 27, 1994
- Networks and Imaging for Museums** Museum Trustee Association, Seattle, April 22, 1994
- An Imaging Primer: Application Areas, Technical Processes, and Important Issues** IBM Informa Conference, Mobile, April 17, 1994
- High End Imaging Applications for Museums** Institute of Information Technology, National Research Council of Canada, Ottawa, March 31, 1994
- Image Databases: The Past, the Present, the Future** School of Information and Library Studies, University of Michigan, Ann Arbor, March 7, 1993
- Providing Research Tools to Exhibition Attendees: An Interactive Workstation for 3-D visualization of Historic Urban Data** Museum Computer Network, Seattle, November 5, 1993
- Multimedia Standards** Museum Computer Network, Seattle, November 4, 1993
- Geographic-related Tools for Architecture and City Planning** Imaging/Imagining, New England ASIS,

- Harvard Graduate School of Design,
Cambridge, MA, October 7, 1993
- Visualization of Historic Urban Data**
- International Conference on Hypermedia
and Interactivity in Museums, Museum
Documentation Association, Cambridge,
UK, September 24, 1993
- Standards for Multimedia on Networks**
- The Inter-Op Conference, San Francisco,
August 27, 1993
- 3-D Visualization of 18th Century Montreal**
- Technology and the Arts: High Tech
Approaches to Architecture and City
Planning Information, American Library
Association, New Orleans, June 28, 1993
- Planning for Imaging of Collections**
- McGill University, Montreal, June 22,
1993
- Standards Issues for Color**
- American Society for Information Science,
Knoxville, May 26, 1993
- Image Database Issues for Libraries**
- UC Berkeley Library Forum, University of
California, Berkeley, May 19, 1993
- To MARC or not to MARC**
- Association of Moving Image Archivists,
San Francisco, December 12, 1992
- Technical Issues of Multimedia**
- Multimedia and Networking, Network
Advisory Committee, Library of
Congress, Washington, DC, December 8,
1992
- Digitization of Art Images: Visualizing Historic Data**
- American Society for Information Science
and Museum Computer Network (joint
session), Pittsburgh, October 29, 1992
- Image Databases: A Workshop**
- Advances in Information Technology
Applied to Libraries, University of Puerto
Rico, Rio Peidras Campus, San Juan
October 9, 1992
- Multimedia Databases**
- III Semana de Ingenieria En Systemas
Computacionales, I.T.E.S.O. University,
Guadalajara, Mexico, September 24, 1992
- Managing Visual Collections**
- School of Library Science, McGill
University, Montreal, September 18, 1992
- Access to Images: Issues of Compression and Standards**
- Library Information Technology
Association, Denver, September 16, 1992
- Arts on the Cutting Edge: Organization, Display, & Distribution
of Visual Information**
- ACRL Arts and Technology, American
Library Association, San Francisco, June
29, 1992

- Images in the OPAC** LITA Emerging Technologies Section, American Library Association, San Francisco, June 28, 1992
- The Challenge of Distributing Multimedia Information** Workshop on Electronic Texts, Library of Congress, Washington, June 9, 1992 [pages 38-40 of Workshop Proceedings, published by LC and edited by James Daly]
- Access to Cultural Information: Multimedia, Networks, and the Transformation of Museums & Libraries** Information and Computer Science, University of California, Irvine, April 29, 1992
- The ABCs of Electronic Visual Imaging: Visual Media** Art Library Society of North America, Chicago, February 11, 1992
- Emerging Technologies and the education of art librarians and visual resources professionals** Art Library Society of North America, Chicago, February 9, 1992
- Educational Computing: Social Considerations -- Education as a Marketplace** Association for Educational Communications and Technology, Washington, February 8, 1992
- Trends in Library Automation: Film and Video Collections** School of Library & Information Studies, University of California, Berkeley, November 26, 1991
- A Vision of the Future: How Might a Geographic User Interface Join Together Interdisciplinary Information?** American Society for Information Science, Washington, DC, October 28, 1991
- Information Retrieval or Instruction? Combining the differing multi-media information needs of Museums, Universities, and Libraries** International Conference on-Hypermedia and Interactivity in Musuemns, Pittsburgh, PA, October 15, 1991
- Multuser Image Databases** National Federation of Abstracting and Information Services, Newsletter, Vol. 3, no. 10, October 1991, pages 125-126
- Adding an Image Database to an Existing Library and Computer Environment: Design and Technical Considerations** American Society for Information Science Midyear Conference, Santa Clara, CA, April 28, 1991
- Moving Images: A History of Cataloging Standards and a Proposal for using digitally stored film to teach cinema** Multimedia and Advanced Technology, UC Berkeley Computer Science Department, March 7, 1991
- Extending Retrieval Systems to Include Images: What do we need to consider?** OCLC Distinguished Seminar Series, Dublin, Ohio, February 27, 1991
- Managing Collections of Images** Columbus Ohio American Society for Information Science, Columbus, Ohio, February 26, 1991

- Multi-Media User Interfaces** Interface 2000 -- New technologies for User Interaction, American Society for Information Science, Toronto, November 5, 1990
- The Current State of Computer-Based Image and Multimedia Databases** Optical Information Systems, Washington, DC, September 12, 1990
- Managing Images in Museums, Archives, and Libraries** Indian Library Association, New Delhi, July 13, 1990
- Digital Technology for Preservation of Photographs and Slides** ACRL Arts Section, American Library Association, Chicago, June 25, 1990
- Scanning of High Resolution Color and Black & White Images** "Optical Scanning -- The Image of Information", LITA preconference, American Library Association, Chicago, June 21, 1990
- Delivery of High Resolution Images Across a Network** "Delivery of Information and Materials Between Libraries: The State of the Art" ASCLA preconference, American Library Association, Chicago, June 21, 1990
- Image Databases: Retrieval and Analysis** Eastern Communications Forum, Boston, May 8, 1990
- Image Databases in a University Environment** Pittsburgh SUN Users Group Pittsburgh, April 18, 1990
- A Design for Managing Collections of Visual Materials & Objects: The UC Berkeley Image Database** ITC Speaker Series, Carnegie Mellon University, Pittsburgh, April 5, 1990
- Maximizing Access to Visual Collections** Advanced Technology Seminar, University of California Long Range Academic Support Planning Committee, San Diego, March 28, 1990
- User interface to a high resolution digital color image database** Electronic Imaging West, Pasadena, February 27, 1990
- Image Retrieval and Manipulation of Manuscripts** Houghton Library, Harvard University, February 15, 1990
- Workshop on Image Databases** Academic Computing Speaker Series, Princeton, February 8, 1990
- Image Databases** Pittsburgh Association for Computing Machinery, Pittsburgh, January 25, 1990
- A Database for Managing Collections of Images: Applications in Art, Anthropology, Architecture, and Geography** Computers in Academia, University of Pittsburgh, Pittsburgh, January 17, 1990
- User Interfaces for Museums** Museum Computer Network, Chicago,

- October 13, 1989
- Image Processing Integrated into a Database of Photographic Images: Applications in Art, Anthropology, Architecture, & Geography** Electronic Imaging East, Boston, October 4, 1989
- Image Databases on Optical Disk** Optical Information Systems 89, Arlington, VA, September 6, 1989
- The Shaping of Teleculture: The Media Arts Information Network** National Computer Graphics Association Arts Conference, San Jose, CA, June 10, 1989
- Image Processing Integrated into a Database of Photographic Images: Applications in Art, Anthropology, Architecture, & Geography** Electronic Imaging West, Pasadena, April 13, 1989
- The Media Arts Information Network** National Alliance of Media Arts Centers, Rochester, NY, March 20, 1989
- Image/Information Retrieval and Analysis: The UCB Image Database Project** International Conference on Japanese Art History: The State of the Field, Berkeley, February 20, 1989
- Imagebases and Image Management** Visual Resources Association, College Art Association, San Francisco, February 16, 1989
- New User Interfaces to Museum Records: The Advanced Workstation** Museum Computer Network, Los Angeles, October 28, 1988
- Image Processing Integrated into a Database of Photographic Images: Applications in Art, Architecture, & Geography** Electronic Imaging East, Boston, October 6, 1988
- Incorporating Images and Analysis into an Information Retrieval System** Library Information Technology Association, Boston, October 4, 1988
- Image Management and Analysis Systems for Visual Image Retrieval** Library Information Technology Association, Boston, October 4, 1988
- A Geographic Query System** Bay Area Mapping Association, Berkeley, July 28, 1988
- High Resolution Image Retrieval & Processing in a SUN Environment** Beyond CD ROM, Monterey, June 20, 1988
- An On-line Information-Sharing Model for Media Arts** National Alliance of Media Arts Centers, Atlanta, May 19, 1988
- Coordinate-Based Image Databases: A Model for Natural History Collections** California Academy of Sciences, San Francisco, May 11, 1988
- Developing an Image Database for Instruction and Research** Association for Educational Communications and Technology, New Orleans, January 16, 1988

- Image Database Construction** Programmer/Analysts Group, Library Information Technology Association, ALA Mid-Winter, San Antonio, January 11, 1988
- Computer Technologies and the Shaping of Social Science Research Methods** American Sociological Association, Chicago, August 18, 1987
- New Computer Technologies and Research Methods** International Conference on Data Bases in the Humanities and Social Sciences, Montgomery, AL, July 12, 1987
- Extending the On-Line Catalog: Incorporating digital images into information retrieval systems** Library Information & Technology Association, American Library Association, San Francisco, June 29, 1987
- Image Processing and Text-Based Data: A Look to the Future** American Association of Museums, San Francisco, June 9, 1987
- The Promises of High Technology: A Social View** Sociology of Contemporary American Society, UC Santa Cruz, March 5, 1987
- Using Digitized Computer Images in Art History Instruction** Association for Educational Communication and Technology, Atlanta, February 27, 1987
- The Automated Collection of the Future** Museum Computer Network, New Orleans, November 7, 1986
- Computers for Art Analysis** International Visual Literacy Association, Madison, November 1, 1986
- Image Processing and Text-Based Data: A Look to the Future** Western Museums Conference, Los Angeles, September 26, 1986
- Film in Public Libraries** Popular Culture in Libraries, UCB School of Library & Information Studies, July 31, 1986
- Technology and Consciousness** Institute for the Study of Social Change, UC Berkeley, March 21, 1986
- High Technology Promises: A Social View** Sociology of Contemporary American Society, UC Santa Cruz, February 18, 1986
- Use of Non-Broadcast Channels to Communicate Information in Social Change Situations: Berkeley Anti-Apartheid and Solidarity Poland** Association for Educational Communication and Technology, Las Vegas, January 21, 1986 [ERIC document ED279321]
- Computer Ads** International Visual Literacy Association, Pomona California, November 1, 1985

Ideology and Computer Advertisements	Media, Ideology, and Society Conference, UC Berkeley, May 7, 1985
The Appeal of Computer Advertising	West Coast Computer Faire, San Francisco, April 1, 1985
The Appeal of Computer Advertising: Popular Images of Computers	Association for Educational Communication and Technology, Anaheim, January 20, 1985
The Videodisc and Publishing: Towards a new definition of publishing	Computers in Publishing, UC Extension, Berkeley, December 6, 1984
Advertising Computer Products: Selling lifestyle, not usefulness	Institute for the Study of Social Change, UC Berkeley, November 30, 1984
High Technology and Sociology	Sociology of Contemporary American Society, UC Santa Cruz, November 8, 1984
New technologies and Popular Culture	Sociology of Popular Culture, UC Davis, June 4, 1984
Poland in Black & White: How the media framed a social revolution	Anarchos Institute, Montreal, June 5, 1982
Issues in Collection Management of Films	Society of California Archivists, Stanford, October, 1980

Major Computer Consulting

Exploratorium (CA), 2001-
San Francisco Museum of Modern Art (CA), 2001
Getty Art History Information Program and Getty Information Institute (CA), 1993-98
Canadian Heritage Information Network, 1996-1997
Metropolitan Museum of Art (NY), 1993
Museum of Civilization (Ottawa), 1993
Centre Canadien d'Architecture (Montreal), 1992
Indira Gandhi National Centre for the Arts UN Development Program, 1990
Image Understanding Systems (CA), 1987
Museum Management Institute (CA), 1986
Reel Research (CA), 1979-1981
American Zoetrope (CA), 1978-1979

plus dozens of museums, libraries, and archives

Previous Employment

Director, Moving Image Archiving & Preservation MA Program, NYU, 2002-2014
Professor, Graduate School of Education & Information Studies, UCLA, 1999-2002
Adjunct Associate Professor, School of Information Management & Systems, University of California at Berkeley, 1996-1999
Visiting Associate Professor, School of Information, University of Michigan, 1994-1996
Instructor, School of Library and Information Science, University of California at Berkeley, 1993-1995

Chief Information Officer, Canadian Centre for Architecture, Montreal, 1992-1994
Assistant Professor, School of Library and Information Science, University of Pittsburgh, 1989-1992
Image Database Specialist, Advanced Technology & Planning, UC Berkeley Academic Computing, 1986-1989
Research Specialist, UC Berkeley Institute for the Study of Social Change, 1982-1989
Information Systems Manager, University Art Museum, Berkeley, CA, 1977-87
Media/Computer Specialist, UC Berkeley School of Education, 1977-1986
Library Assistant, Cooperative Services, UCB General Library, 1977-78
Research Assistant, UCB Afro-American Studies Department, 1976-77

Education

PhD, *Library & Information Studies*, UC Berkeley, 1988
Certificate in Bibliography, *Non-print Media*, UC Berkeley, 1980
Master of Library Science, UC Berkeley, 1977
Bachelor of Arts, *Media*, UC Berkeley, 1976
Centre Internationale d'Etudes des Cinema, Paris, 1973-74
Stanford Summer Institute in Broadcasting and Film, Stanford University, 1971