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**Information Studies Publications**

- 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.tkpark.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](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](http://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](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: 12<sup>th</sup> 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
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- Besser, Howard and Kara Van Malssen (2007). Pushing Metadata Capture Upstream into the Content Production Process: Preliminary Studies of Public TV, **DigCCurr**2007, an International Symposium in digital; curation,

[http://www.ils.unc.edu/digccurr2007/papers/besserVanmalssen\\_paper\\_4-1.pdf](http://www.ils.unc.edu/digccurr2007/papers/besserVanmalssen_paper_4-1.pdf)

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- 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)
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- 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
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- Dilemma*, in Toni Petersen and Pat Moholt (eds.), **Beyond the Book: Extending MARC for Subject Access**, Boston: G. K. Hall, pages 203-224
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- 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.
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- 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
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### 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 (2<sup>nd</sup> edition by Howard Besser and Rosemary Clarke published 1978, 3<sup>rd</sup> edition by Howard Besser and Nancy Goldman published 1981)
- Besser, Howard, and Nancy Goldman (1977). **Film-Study Resources at UCB: Printed Materials**, Berkeley: ASUC (2<sup>nd</sup> edition by same authorrs 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 Zirnitis (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)

<u>Position</u>	<u>Topic</u>	<u>Funding Source</u>	<u>Amount</u>	<u>Dates</u>
Director	Education & Training for Moving Image Specialists	National Endowment for Humanities	\$181,000	2014-2016
Director	Education & Training for Moving Image Specialists	IMLS 21 <sup>st</sup> 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 <sup>st</sup> 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 <sup>st</sup> 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**

IT 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**

Victorian Association for Library

<b>Digital Libraries</b>	Automation, Melbourne Australia, February 8, 2002 ( <i>keynote</i> )
<b>The Importance of Information Literacy to University Faculty</b>	University of La Verne Faculty Retreat, UCLA Lake Arrowhead Conference Center January 30, 2002
<b>Recent Digital Preservation Activities</b>	National Initiative for a Networked Cultural Heritage, Los Angeles, December 8, 2001
<b>Building Blocks: Getting Projects Done</b>	National Initiative for a Networked Cultural Heritage, Los Angeles, December 7, 2001
<b>Administrative, Longevity, and other Metadata</b>	School for Scanning, Delray Beach, December 7, 2001
<b>Digital Divide Policy and Adaptive System Design</b>	Coalition for Networked Information, San Antonio, November 30, 2001
<b>Implications of the Wireless Society</b>	9/11 -- Networks to Nanosystems, UC Digital Arts Research Network, UCLA, November 13, 2001 ( <i>panelist</i> )
<b>Design Principles for Information Delivery Systems: The UCLA/PACBELL Initiative for 21st Century Literacies</b>	American Society for Information Science, Washington, November 6, 2001 ( <i>poster</i> )
<b>Research and Education for Information Professionals</b>	Resolution to Representation: Current Research in Digital Imaging and the Education of Digital Image Managers, American Society for Information Science, Washington, November 5, 2001
<b>Commodification of Culture Harms Creators</b>	American Library Association Information Commons retreat, Wye River Maryland, November 3, 2001
<b>Why 21<sup>st</sup> Century Literacies Matter</b>	Technology Marketplace: Unlocking Technology's Productivity Potential, Pleasanton, CA, October 23, 2001
<b>What is an Information Commons and Why Should We Care?</b>	Nurturing the CyberCommons, Computer Professionals for Social Responsibility, Ann Arbor, October 19, 2001 ( <i>keynote</i> )
<b>Intellectual Property Issues for the University</b>	Intellectual Property, Copyright, & the Internet: Scholarship in the Digital Age, UC Santa Barbara, October 12, 2001
<b>Intellectual Property Issues for Multimedia</b>	NINCH Copyright Town Hall Meeting, New York Public Library, September 24, 2001
<b>Longevity of Electronic Art</b>	International Cultural Heritage Informatics Meeting, Milan, September 5, 2001
<b>Preservation of Variable Media</b>	The Arts & Streaming Media, California Digital Arts Workshop, American Film Institute, Los Angeles, August 17-18, 2001

<b>Partnerships Between Collections that are Different: The California Digital Library</b>	UCLA/Getty Summer Institute for Knowledge Sharing, Los Angeles, August 9, 2001
<b>Introduction to Special Collection Digitization Projects</b>	UCLA/Getty Summer Institute for Knowledge Sharing, Los Angeles, August 6, 2001
<b>Digital Longevity: Problems and Policy</b>	Colorado Cultural Heritage Collaboration in the Digital Age, Denver, June 29, 2001
<b>Contextualizing Anarchism throughout History</b>	History of Anarchism, La Peña Cultural Center, Berkeley, June 20, 2001
<b>Introduction to Metadata for Digital Asset Management</b>	Collaborative Collection Development of Web Resources, Library Information Technology Association, American Library Association, San Francisco, June 16, 2001
<b>The Napster Phenomenon: Why Should Librarians Care?</b>	I Want My MP3: Intellectual Property and Libraries, American Library Association, San Francisco, June 16, 2001
<b>Metadata for Digital Asset Management</b>	Preservation Seminar on Microfilming and Digitization, Belo Horizonte, Brazil, June 1, 2001
<b>Planning to Maximize Longevity of Digital Information</b>	Preservation Seminar on Microfilming and Digitization, Belo Horizonte, Brazil, May 31, 2001 ( <i>keynote</i> )
<b>How can we save digital information?</b>	Panel, Digital Information: Access and Preservation in a Changing World, Academic Business Librarians Exchange, California Association of Research Libraries, Stanford, May 25, 2001
<b>Digital Longevity, Preservation, and Access</b>	Digital Longevity: Access and Preservation in a Changing World, Academic Business Librarians Exchange, California Association of Research Libraries, Stanford, May 25, 2001
<b>Services, Users, and a Social Mission</b>	The Digital Library, TextOneZero Electronic Publishing Conference, Brooklyn, May 23, 2001
<b>The New Information Environments: Helping Content Persist Over Time</b>	TextOneZero Electronic Publishing Conference, Brooklyn, May 22, 2001
<b>Digital Documents: Longevity and Copyright Issues</b>	Organization of American Historians, Los Angeles, April 27, 2001
<b>Disappearing Public Spaces: A Metaphor for the Disappearing Public Domain</b>	Art Library Society of North America, Los Angeles, April 3, 2001
<b>Copyright as Commodification of Information</b>	Bay Area Anarchist Conference, March 25, 2001

<b>Preserving Moving Image Materials</b>	Archiving & Media Production in the Digital Age, UCLA, March 16, 2001
<b>A Research Agenda</b>	PhD Student Forum, UCLA, March 15, 2001
<b>Metadata for Planning</b>	School for Scanning, Habana Cuba, March 8, 2001
<b>Adaptive Systems: Bridging the Gap</b>	To Have & Have-Not, Visual Resources Association, Chicago, February 28, 2001
<b>Longevity of Complex Works</b>	Seminar on Information Access, School of Information Management & Systems, UC Berkeley, February 16, 2001
<b>Art in a Digital World: Technology &amp; Intellectual Property</b>	Art, Technology, & Intellectual Property, American Assembly, Harriman NY, February 9, 2001
<b>Moving from Isolated Digital Collections to Interoperable Digital Libraries, Museums, &amp; Archives</b>	Missouri Statewide Digitization Conference, St. Louis, February 8, 2001 ( <i>keynote</i> )
<b>Longevity of Digital Art</b>	San Francisco Museum of Modern Art, Seminar on Digital Preservation, San Francisco, February 2, 2001
<b>Information Literacy: Beyond Users to Design: the UCLA/Pacbell Initiative for 21<sup>st</sup> Century Literacies</b>	Coalition for Networked Information, San Antonio, December 7, 2000
<b>Copyright Dangers: Implications for Public Access</b>	Digital Dilemma: Intellectual Property in the Digital Age, National Academy of Sciences, UCLA, November 28, 2000
<b>PhD Student Research on Moving Images</b>	Association of Moving Image Archivists, Universal City CA, November 18, 2000
<b>The Digital Dilemma</b>	Public Policy, UCLA, October 30, 2000
<b>Design Issues for 21<sup>st</sup> Century Literacies</b>	California Association of Philosophers of Education, UCLA, October 29, 2000
<b>UCLA/Pacbell Initiative for 21<sup>st</sup> Century Literacies</b>	National Forum on Information Literacy, DC, September 25, 2000
<b>Visual Resources and New Information Technologies</b>	Building Blocks, National Initiative for a Networked Cultural Heritage, September 23, 2000
<b>Digital Imaging: What's in the Future?</b>	School for Scanning, Seattle, September 20, 2000
<b>Educating Museum Professionals</b>	Museum Computer Network, Las Vegas, September 8, 2000
<b>What's So Special About Electronic Art?: Issues in Conservation of Digital Works</b>	Museum Computer Network, Las Vegas, September 8, 2000
<b>Information Literacy: Beyond Users to Design</b>	Museum Computer Network, Las Vegas,

	September 7, 2000 ( <i>keynote</i> )
<b>Digital Asset Management: An Academic View</b>	Building the Archive, Seybold Publishing Conference, San Francisco, August 29, 2000
<b>Digital Longevity</b>	Knowledge Sharing Institute, UCLA, August 4, 2000
<b>UCLA/Pacbell Initiative for 21<sup>st</sup> Century Literacies</b>	Digital Divide, National Academy of Sciences, Menlo Park, August 3, 2000
<b>Planning for Digital Projects: Interoperability and Standards</b>	Knowledge Sharing Institute, UCLA, July 31, 2000
<b>Museums and Technology: What Business are we really in?</b>	California Association of Museums, San Jose, July 29, 2000 ( <i>keynote</i> )
<b>The Future of Digital Imaging</b>	Digital Imaging Preconference, Library Information Technology Association, Chicago, July 7, 2000
<b>Emerging Standards for Complex Works</b>	JISC, Stratford-upon-Avon, June 16, 2000
<b>The Digital Dilemma: Intellectual Property in the Information Age</b>	JISC, Stratford-upon-Avon, June 14, 2000
<b>Saving Conservation Documents Over Time</b>	Emerging Technologies, American Institute for Conservation, Philadelphia, June 11, 2000
<b>What's so Special About Electronic Art? Issues in Conservation of Digital Works</b>	The Preservation Imperative, American Institute for Conservation, Philadelphia, June 9, 2000
<b>Image Metadata Issues</b>	Challenge of Information Retrieval, Brighton UK, May 5, 2000 ( <i>keynote</i> )
<b>Pornography and New Technology Research</b>	GSE&IS Faculty Executive Committee, UCLA, April 20, 2000
<b>The Disappearing Public Domain: what is it, what's happening to it, and why should we care?</b>	Public Domain: Implied, Inferred, and In Fact, NINCH Town Meeting on Intellectual Property, Visual Resources Association, San Francisco, April 5, 2000
<b>Issues in Archiving and Access to Rich Media</b>	Internet Archive Colloquium 2000, San Francisco, March 9, 2000
<b>Digital Delivery of Instructional Support Materials: How will our learning institutions change?</b>	Learning Resources Association of California Community Colleges, Sacramento, March 3, 2000 ( <i>keynote</i> )
<b>Multimedia Librarianship: What the Next Generation Librarian Needs to Know</b>	Association of Library & Information Science Educators, San Antonio TX, January 13, 2000
<b>Research Results from Multi-Institutional Collaborative Digital Image Distribution</b>	Great Plains Image Bank Consortium, Austin TX, January 7, 2000
<b>Impact of technological and economic changes on social</b>	Information in Society, UCLA, Los

<b>institutions and daily life</b>	Angeles, December 7, 1999
<b>Copyright and Digital Information</b>	Contemporary Issues in National Information Policy, UCLA, Los Angeles, December 6, 1999
<b>University Digital Image Distribution: Results of a Study</b>	EDUCAUSE, Long Beach CA, October 28, 1999
<b>Research into Image Distribution Costs and Use</b>	SIMS Affiliates, School of Information Management & Systems, UC Berkeley, October 22, 1999
<b>Recent Digital Imaging Issues</b>	Electronic Images in Libraries, University of North Texas, Denton, October 19, 1999
<b>Textbook Methodology Confronts Reality in Digital Libraries: Lessons from studies of a multi-site digital image distribution project</b>	UCLA Department of Information Studies Colloquium, Los Angeles, October 14, 1999
<b>Image and Metadata Distribution at 7 University Campuses: Reports from a Study of the Museum Educational Site Licensing Project</b>	Third European Conference on Research and Advanced Technology for Digital Libraries, Paris, September 22, 1999
<b>The Library of the Future</b>	Information Futures Institute, San Francisco, September 18, 1999
<b>Network Access to Visual Information: A Study of Costs and Uses</b>	International Federation of Library Associations, Bangkok, August 24, 1999
<b>Making of America II: Structural &amp; Administrative Metadata for Distributed Digital Libraries</b>	Digital Libraries '99, Association for Computing Machinery, Berkeley, August 12, 1999
<b>OAC as an example of Special Collection Digitization: the Collection, the Institution, Scholarship, Interoperability, Longevity</b>	Getty/UCLA Summer Institute for Knowledge Sharing, Los Angeles, August 3, 1999
<b>Implications in Digitizing Special Collections Materials</b>	Rare Books & Manuscripts, American Library Association Pre-Conference, Montreal, June 23, 1999 ( <i>keynote</i> )
<b>Metadata, Images, and Digital Libraries</b>	School for Scanning, Chicago, June 2, 1999
<b>Network Access to Visual Information: a Study of Costs and Use</b>	American Society for Information Science, Pasadena, May 25, 1999
<b>Structural and Administrative Metadata for Distributed Digital Libraries: the Making of America II Project</b>	American Society for Information Science, Pasadena, May 24, 1999
<b>Providing Network Access to Visual Information: Results from a study of the Museum Educational Site Licensing Project</b>	Electronic Imaging and the Visual Arts, New York Museum of Modern Art, May 21, 1999
<b>Image Metadata</b>	Standards Issues for Museums, Electronic Imaging and the Visual Arts, New York Museum of Modern Art, May 21, 1999 ( <i>keynote</i> )

<b>Issues in Electronic Publication of Image Databases: Report from a study of the Museum Educational Site Licensing Project</b>	Electronic Publishing '99, Ronneby Sweden, May 11, 1999
<b>Copyright and Distance Education</b>	Information Resources for the 21st Century: Content, Access, People, EDUCAUSE & Coalition for Networked Information, Portland Oregon, May 6, 1999
<b>Recent Findings from Multi-Institution Digital Image Distribution Projects</b>	Coalition for Networked Information,, Washington DC, April 27, 1999
<b>Instructional Support Material on the Web: Collaborative Efforts</b>	Coalition for Networked Information,, Washington DC, April 26, 1999
<b>Why is Image Metadata Important?</b>	Workshop on Technical Metadata Elements for Images, National Information Standards Organization & Digital Library Federation, Washington DC, April 18, 1999
<b>Using Digital Images on Campus: Lessons from the Museum Educational Site Licensing Project and its descendants</b>	Association of College & Research Libraries, Detroit, April 9, 1999
<b>The UCB Mellon Grant Studying MESL: What Have We Learned about Digital Image Distribution</b>	Visual Resources Association, Los Angeles, February 13, 1999
<b>Why Copyright Exemptions for Distance Learning Need to Continue</b>	Copyright Office Hearings on Distance Education And the Millenium Copyright Act, Los Angeles, February 10, 1999
<b>Compression Poses Longevity Problems</b>	Issues in Compression of Digital Images, ALCTS/PARS Reformatting Section, American Library Association, Philadelphia, January 31, 1999
<b>Designing and Maintaining Online Curriculum Support Materials</b>	Distance Learning Forum, American Library Association, Philadelphia, January 31, 1999
<b>Designing Websites for Large Undergraduate Classes</b>	Berkeley Multimedia Research Center Retreat, Berkeley, January 14, 1999
<b>Project Planning for Digitization: Where are we and where are we going?</b>	School for Scanning, New Orleans, December 7, 1998
<b>Metadata, Images, and Digital Libraries</b>	School for Scanning, New Orleans, December 8, 1998
<b>Issues and Cautions for Museum Images in a Digital Environment</b>	Current Issues in Intellectual Property, American Association of Museums, December 4, 1998
<b>Recent Copyright Changes: Dangers to the Public Interest</b>	University of San Francisco, November 3, 1998
<b>Information Technology and changes to the Social Fabric</b>	Information in Society, UCLA School of Education & Information, Los Angeles, November 2, 1998

<b>Teaching with Advanced Technology</b>	Center for Western European Studies, UC Berkeley, October 21, 1998
<b>Structural and Administrative Metadata for Distributed Digital Libraries</b>	Making of America II, Digital Library Federation, New York, September 29, 1998
<b>Continuing Education for Cultural Heritage Information Professionals</b>	Museum Computer Network, Santa Monica, September 26, 1998
<b>The UCB Mellon Grant Studying MESL: What Have We Learned about Digital Image Distribution &amp; Museums?</b>	Museum Computer Network, Santa Monica, September 25, 1998
<b>Imaging: Quality Control, Preservation, Longevity</b>	Collaborative Planning for Digitization, Western Council of State Librarians, Denver, September 19, 1998 ( <i>keynote</i> )
<b>Web-based Instructional Support</b>	Webnet Developers, UC Berkeley, September 15, 1998
<b>Digital Image Distribution on University Campuses</b>	Technology & the Arts, American Library Association, Washington, June 28, 1998
<b>Copyright &amp; the Suppression of Access to Digital Information: Attacks on the Concept of Fair Use</b>	Union for Democratic Communications, University of San Francisco, San Francisco, June 13, 1998
<b>Assessing Digital Distribution of Images and Metadata</b>	National Online Conference, New York, May 14, 1998
<b>The Making of America II: Structural and Administrative Metadata for Distributed Digital Libraries</b>	School of Information Management & Systems, UC Berkeley, May 8, 1998
<b>Delivery, Deployment, and Use of Digital Images: Lessons from a major University/Museum Consortial Project</b>	Xerox PARC Forum, Palo Alto, April 30, 1998
<b>Dissemination of Images on University Campuses: Preliminary Results of a Mellon-sponsored study of the Museum Educational Site Licensing Project</b>	Coalition for Networked Information, Crystal City VA, April 15, 1998
<b>Image Databases and Digital Libraries</b>	Vassar College, Poughkeepsie, March 26, 1998
<b>Issues in Migration of Information to New Systems: the Value of Metadata</b>	Information Ecosystems Conference, National Archives, College Park, March 12, 1998
<b>Planning Information Management Systems to Maximize Longevity</b>	Information Ecosystems Conference, National Archives, College Park, March 10, 1998
<b>Digital Libraries, Metadata, and Longevity</b>	Computers in Libraries, Crystal City VA, March 2, 1998
<b>Fair Use and Licensing</b>	Copyright Town Hall Meeting, College Art Association, Toronto, February 26, 1998
<b>Long-term Preservation of Digital Material</b>	Time and Bits, Los Angeles, February 8, 1998

<b>Creating and Revamping Course Websites</b>	Tools for Classrom Technology, Berkeley Multimedia Research Center, Berkeley, January 13, 1998 ( <i>keynote</i> )
<b>Imaging: What have we learned? What must we still learn?</b>	School for Scanning, New York City, November 5, 1997
<b>Digital Technology: Where Are We?</b>	School for Scanning, New York City, November 3, 1997 (keynote address)
<b>Distance Learning</b>	American Council of Learned Societies, Houston, October 30, 1997
<b>Different Query Systems on Identical Data Sets</b>	Coalition for Networked Information, Minneapolis, October 27, 1997
<b>Intellectual Property: Distribution Issues for Museums</b>	Museum Computer Network, St. Louis, October 18, 1997
<b>Professional Standards for Museum Documentation</b>	Museum Computer Network, St. Louis, October 16, 1997
<b>Emerging Metadata Standards</b>	Museum Computer Network, St. Louis, October 15, 1997
<b>Images &amp; Text: Teaching, Using, and Saving</b>	Mixed Messages, Univ of North Carolina, Charlotte, October 12, 1997
<b>Comparing Five Implementations of the Museum Educational Site Licensing Project</b>	International Conference on Hypermedia and Interactivity in Museums, Paris, September 5, 1997
<b>Business and Military Influences on the Contemporary Library</b>	"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
<b>Commentary</b>	"Universal Access Tomorrow: Silicon Valley Meets the Library", LITA Technology and Access, American Library Association, San Francisco, June 28, 1997
<b>The Variety of Displays for a Single set of Museum Images</b>	Houston Museum of Fine Arts, Houston, June 16, 1997
<b>Metadata Issues for Digitized Photographic Collections</b>	Digitizing Photographic Collections Conference, Rochester, June 8, 1997
<b>Options for Protection of Digital Images: Watermarks, Signatures, &amp; Encryption</b>	Protection and Rights Management Schemes for Digital Images, American Society for Information Science, Scottsdale, June 4, 1997
<b>Security and Intellectual Property Management Systems: Social and Cultural Impact</b>	Protection and Rights Management Schemes for Digital Images, American Society for Information Science, Scottsdale, June 4, 1997

<b>Issues in Scanning</b>	(daily commentary and summary) School for Scanning, National Park Service and Northeast Document Conservation Center, Berkeley, May 12-14, 1997
<b>The Erosion of Public Protection: Attacks on the Concept of Fair Use</b>	Copyright Ownership and Fair Use in an Age of Licensing, Boalt Hall School of Law, UC Berkeley, May 10, 1997
<b>The Future</b>	Cybersemester, UC Berkeley, April 22, 1997
<b>Privacy and Medicine in the New Information Environment</b>	Technology and Public Health, School of Public Health, April 17, 1997
<b>Issues in Delivering Images and Text from Diverse Environments via University Information Systems</b>	Berkeley Multimedia and Graphics Seminar, Computer Science Department, UC Berkeley, April 16, 1997
<b>Integrating Collections Management Information into Online Exhibits: The Worldwide Web as a facilitator for linking 2 separate processes</b>	Museums and the WorldWide Web, Los Angeles, March 19, 1996
<b>Issues in Delivering Images and Text from Diverse Environments Via University Information Systems: Lessons from the Museum Educational Site Licensing Project</b>	Department of Library & Information Science, UCLA, Los Angeles, March 4, 1997
<b>Copyright for Multimedia Producers</b>	Internet Webvideo Studio, UC Berkeley, February 19, 1997
<b>Observations on Teaching with Technology</b>	New Media Teaching and Learning Technologies, UC Berkeley, February 16, 1997
<b>Protection of Digital Information</b>	Berkeley Multimedia Research Center, UC Berkeley, February 16, 1997
<b>Distance Learning in the Humanities &amp; Social Sciences: Doing it, Supporting it, and Looking at its Impact</b>	Advanced Information Technologies Group and Digital Library Research Program, University of Illinois, Urbana, February 10, 1997
<b>Metadata Standards for Visual Images</b>	Museum Computer Network, Ottawa, November 1, 1996
<b>Retrieval and Study of Digital Images: Lessons from the Museum Educational Site Licensing Project</b>	Digital Imagery: Photographs and Art, American Society for Information Science, Baltimore, October 22, 1996
<b>Current Developments in Imaging Standards</b>	National Information Standards Organization, American Society for Information Science, Baltimore, October 22, 1996
<b>The Museum Educational Site Licensing Project: The Library's Role in Multi-Institution Distribution of Digital Images</b>	Joint National Conference of the Library Information Technology Association and the Library Administration & Management Association, Pittsburgh, October 15, 1996

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

	5-6, 1996
<b>Interactive Distance-Independent Education: Challenges to Traditional Academic Roles</b>	Association for Library and Information Science Education, San Antonio, January 18, 1996
<b>Building a Curriculum for Digital Documents</b>	Hawaii International Conference on System Sciences, Maui, January 4, 1996
<b>Authenticity, Ownership, &amp; Commercialism of Digital Images</b>	Ethics of the Internet, UC Berkeley, November 18, 1995
<b>Using Multimedia and Networks to Teach about Museums: Issues in Maintaining a WWW Site to Facilitate Distance Learning</b>	Hands-On: The International Conference on Hypermedia and Interactivity in Museums, San Diego, October 12, 1995
<b>Imaging: The Myth and the Mysticism</b>	Michigan ASIS, Detroit, September 26, 1995
<b>Converging Media, Converging Corporate Interests: The Impact of Digital on Libraries</b>	Institute on Motion Media and the Library of the Future, Austin, August 4, 1995
<b>Multimedia Issues on the WorldWide Web</b>	International Business Programs, University of California Extension, Berkeley, July 18, 1995
<b>The Museum Education Site License Project</b>	Time, Space, & Distance: The Future of Preserving & Accessing the Past, Charlotte, June 2, 1995
<b>Teaching With Electronic Documents</b>	American Society for Information Science, Minneapolis, May 25, 1995
<b>Privacy, Security, and Ownership of Health Information</b>	Technology and Public Health, School of Public Health, University of California, Berkeley, April 28, 1995
<b>Defining Digital Images: Versions, Editions, and Derivative Images</b>	Coalition for Networked Information, Washington, April 10, 1995
<b>Authenticity in Cyberspace</b>	Ethics of the Internet, School of Library & Information Studies, University of California, Berkeley, April 8, 1995
<b>Update on Imaging Standards and Activities</b>	School of Library & Information Studies, University of California, Berkeley, February 24, 1995
<b>The Future of Public Libraries</b>	Maryland Association of Public Library Administrators, Solomon's Island, MD, February 23, 1995
<b>Introduction to Electronic Imaging</b>	Visual Resources Association, San Antonio, January 26, 1995
<b>Images and the Research Library</b>	New York Public Library Trustees, New York, December 12, 1994
<b>Developing Curriculum for Digital Documents</b>	New frontiers: graphic design in emerging technologies, American Institute of Graphic Artists, Boston, December 11,

	1994
<b>What is an Archival Image?</b>	George Eastman Lecture, Optical Society of America, Rochester, December 6, 1994
<b>Images, Storage, Bandwidth, Architectures</b>	Electronic Publishing, School of Information & Library Studies, University of Michigan, Ann Arbor, November 14, 1994
<b>Social and Cultural Aspects of Advanced Information Technology</b>	School of Library & Information Studies, University of Illinois, Champaign, November 3, 1994
<b>Museums, Networks, Multimedia, &amp; Libraries</b>	School of Library & Information Studies, University of Illinois, Champaign, November 3, 1994
<b>Hot Topics: Pornography</b>	American Society for Information Science, Alexandria Virginia, October 19, 1994
<b>Standards for Imaging and Multimedia</b>	American Society for Information Science, Alexandria Virginia, October 17, 1994
<b>Understanding and planning for Digital Imaging Projects</b>	Digitization and the Creation of Virtual Libraries, VTLS, Mountain Lake Virginia, September 19, 1994
<b>Planning an Intergrated Museum Information Management System</b>	Museum Computer Network, Washington, September 2, 1994
<b>Progress Towards Implementing Open Exchange: Images and Multimedia</b>	Museum Computer Network, Washington, September 2, 1994
<b>Technical Standards Issues facing Image Databases</b>	University of California Systemwide Academic Computing Services Conference, Berkeley, July 25, 1994
<b>Image Databases</b>	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]
<b>The Information Highway Has Many Potholes</b>	The NII: Universal Access or Information Apartheid, Social Responsibilities Roundtable, American Library Association, Miami, June 25, 1994
<b>Video and the Information SuperHighway</b>	Emerging Technologies: Dilemma or Challenge to Video Services in Libraries, ALA Video Round Table, American Library Association, Miami, June 25, 1994
<b>The Future of Video</b>	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
<b>Social Change from using digital images</b>	Curatorial Use of Images: Working Group for Digital Imaging, George Eastman House, Rochester, June 4, 1994
<b>Using Internet Resources to Teach About Internet Impact</b>	American Society for Information Science, Portland, OR, May 23, 1994
<b>Architectures for Image Databases</b>	Canadian Centre for Imaging and Sound, Vancouver, BC, May 14, 1994
<b>High End Multimedia Applications and the Internet</b>	American Association of Museums, Seattle, April 27, 1994
<b>The Global Village: Navigating the Internet</b>	American Association of Museums, Seattle, April 27, 1994
<b>Networks and Imaging for Museums</b>	Museum Trustee Association, Seattle, April 22, 1994
<b>An Imaging Primer: Application Areas, Technical Processes, and Important Issues</b>	IBM Informa Conference, Mobile, April 17, 1994
<b>High End Imaging Applications for Museums</b>	Institute of Information Technology, National Research Council of Canada, Ottawa, March 31, 1994
<b>Image Databases: The Past, the Present, the Future</b>	School of Information and Library Studies, University of Michigan, Ann Arbor, March 7, 1993
<b>Providing Research Tools to Exhibition Attendees: An Interactive Workstation for 3-D visualization of Historic Urban Data</b>	Museum Computer Network, Seattle, November 5, 1993
<b>Multimedia Standards</b>	Museum Computer Network, Seattle, November 4, 1993
<b>Geographic-related Tools for Architecture and City Planning</b>	Imaging/Imagining, New England ASIS, Harvard Graduate School of Design, Cambridge, MA, October 7, 1993
<b>Visualization of Historic Urban Data</b>	International Conference on Hypermedia and Interactivity in Museums, Museum Documentation Association, Cambridge, UK, September 24, 1993
<b>Standards for Multimedia on Networks</b>	The Inter-Op Conference, San Francisco, August 27, 1993
<b>3-D Visualization of 18th Century Montreal</b>	Technology and the Arts: High Tech Approaches to Architecture and City Planning Information, American Library Association, New Orleans, June 28, 1993
<b>Planning for Imaging of Collections</b>	McGill University, Montreal, June 22, 1993
<b>Standards Issues for Color</b>	American Society for Information Science, Knoxville, May 26, 1993

<b>Image Database Issues for Libraries</b>	UC Berkeley Library Forum, University of California, Berkeley, May 19, 1993
<b>To MARC or not to MARC</b>	Association of Moving Image Archivists, San Francisco, December 12, 1992
<b>Technical Issues of Multimedia</b>	Multimedia and Networking, Network Advisory Committee, Library of Congress, Washington, DC, December 8, 1992
<b>Digitization of Art Images: Visualizing Historic Data</b>	American Society for Information Science and Museum Computer Network (joint session), Pittsburgh, October 29, 1992
<b>Image Databases: A Workshop</b>	Advances in Information Technology Applied to Libraries, University of Puerto Rico, Rio Peidras Campus, San Juan October 9, 1992
<b>Multimedia Databases</b>	III Semana de Ingenieria En Systemas Computacionales, I.T.E.S.O. University, Guadalajara, Mexico, September 24, 1992
<b>Managing Visual Collections</b>	School of Library Science, McGill University, Montreal, September 18, 1992
<b>Access to Images: Issues of Compression and Standards</b>	Library Information Technology Association, Denver, September 16, 1992
<b>Arts on the Cutting Edge: Organization, Display, &amp; Distribution of Visual Information</b>	ACRL Arts and Technology, American Library Association, San Francisco, June 29, 1992
<b>Images in the OPAC</b>	LITA Emerging Technologies Section, American Library Association, San Francisco, June 28, 1992
<b>The Challenge of Distributing Multimedia Information</b>	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]
<b>Access to Cultural Information: Multimedia, Networks, and the Transformation of Museums &amp; Libraries</b>	Information and Computer Science, University of California, Irvine, April 29, 1992
<b>The ABCs of Electronic Visual Imaging: Visual Media</b>	Art Library Society of North America, Chicago, February 11, 1992
<b>Emerging Technologies and the education of art librarians and visual resources professionals</b>	Art Library Society of North America, Chicago, February 9, 1992
<b>Educational Computing: Social Considerations -- Education as a Marketplace</b>	Association for Educational Communications and Technology, Washington, February 8, 1992
<b>Trends in Library Automation: Film and Video Collections</b>	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 Museums, Pittsburgh, PA, October 15, 1991
- Multiuser 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

<b>Maximizing Access to Visual Collections</b>	Advanced Technology Seminar, University of California Long Range Academic Support Planning Committee, San Diego, March 28, 1990
<b>User interface to a high resolution digital color image database</b>	Electronic Imaging West, Pasadena, February 27, 1990
<b>Image Retrieval and Manipulation of Manuscripts</b>	Houghton Library, Harvard University, February 15, 1990
<b>Workshop on Image Databases</b>	Academic Computing Speaker Series, Princeton, February 8, 1990
<b>Image Databases</b>	Pittsburgh Association for Computing Machinery, Pittsburgh, January 25, 1990
<b>A Database for Managing Collections of Images: Applications in Art, Anthropology, Architecture, and Geography</b>	Computers in Academia, University of Pittsburgh, Pittsburgh, January 17, 1990
<b>User Interfaces for Museums</b>	Museum Computer Network, Chicago, October 13, 1989
<b>Image Processing Integrated into a Database of Photographic Images: Applications in Art, Anthropology, Architecture, &amp; Geography</b>	Electronic Imaging East, Boston, October 4, 1989
<b>Image Databases on Optical Disk</b>	Optical Information Systems 89, Arlington, VA, September 6, 1989
<b>The Shaping of Teleculture: The Media Arts Information Network</b>	National Computer Graphics Association Arts Conference, San Jose, CA, June 10, 1989
<b>Image Processing Integrated into a Database of Photographic Images: Applications in Art, Anthropology, Architecture, &amp; Geography</b>	Electronic Imaging West, Pasadena, April 13, 1989
<b>The Media Arts Information Network</b>	National Alliance of Media Arts Centers, Rochester, NY, March 20, 1989
<b>Image/Information Retrieval and Analysis: The UCB Image Database Project</b>	International Conference on Japanese Art History: The State of the Field, Berkeley, February 20, 1989
<b>Imagebases and Image Management</b>	Visual Resources Association, College Art Association, San Francisco, February 16, 1989
<b>New User Interfaces to Museum Records: The Advanced Workstation</b>	Museum Computer Network, Los Angeles, October 28, 1988
<b>Image Processing Integrated into a Database of Photographic Images: Applications in Art, Architecture, &amp; Geography</b>	Electronic Imaging East, Boston, October 6, 1988
<b>Incorporating Images and Analysis into an Information Retrieval System</b>	Library Information Technology Association, Boston, October 4, 1988
<b>Image Management and Analysis Systems for Visual Image Retrieval</b>	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
<b>Use of Non-Broadcast Channels to Communicate Information in Social Change Situations: Berkeley Anti-Apartheid and Solidarity Poland</b>	Association for Educational Communication and Technology, Las Vegas, January 21, 1986 [ERIC document ED279321]
<b>Computer Ads</b>	International Visual Literacy Association, Pomona California, November 1, 1985
<b>Ideology and Computer Advertisements</b>	Media, Ideology, and Society Conference, UC Berkeley, May 7, 1985
<b>The Appeal of Computer Advertising</b>	West Coast Computer Faire, San Francisco, April 1, 1985
<b>The Appeal of Computer Advertising: Popular Images of Computers</b>	Association for Educational Communication and Technology, Anaheim, January 20, 1985
<b>The Videodisc and Publishing: Towards a new definition of publishing</b>	Computers in Publishing, UC Extension, Berkeley, December 6, 1984
<b>Advertising Computer Products: Selling lifestyle, not usefulness</b>	Institute for the Study of Social Change, UC Berkeley, November 30, 1984
<b>High Technology and Sociology</b>	Sociology of Contemporary American Society, UC Santa Cruz, November 8, 1984
<b>New technologies and Popular Culture</b>	Sociology of Popular Culture, UC Davis, June 4, 1984
<b>Poland in Black &amp; White: How the media framed a social revolution</b>	Anarchos Institute, Montreal, June 5, 1982
<b>Issues in Collection Management of Films</b>	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**