

Christopher (Cal) Lee

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Education:

PhD, University of Michigan School of Information – 2005

Dissertation: “Defining Digital Preservation Work: A Case Study of the Development of the Reference Model for an Open Archival Information System”

Master of Science in Information with a concentration in Archives and Records Management, University of Michigan School of Information - 1999

Bachelor of Arts in Philosophy (Summa Cum Laude with Honors) with a concentration in Public Service, Albion College - 1995

Research & Professional Experience:

Assistant Professor, University of North Carolina, School of Information and Library Science – 2005-Present

Co-PI, Closing the Digital Curation Gap: An International Collaboration to Integrate Best Practice, Research & Development, and Training in Digital Curation – 2009-2011

Co-PI, Educating Stewards of Public Information in the 21st Century (ESOPI-21) – 2009-2012

Co-PI, DigCCurr II: Extending an International Digital Curation Curriculum to Doctoral Students and Practitioners – 2008-2011

Co-PI, Preserving Access to Our Digital Future: Building an International Digital Curation Curriculum & the Carolina Digital Curation Fellowship Program (DigCCurr) – 2006-2009

Core Team Member, History and Theory of Infrastructure: Lessons for New Scientific Cyberinfrastructures – 2006-2007

Investigator, Preserving Video Objects and Context: A Demonstration Project (Funded by National Science Foundation and Library of Congress) – 2005-2009

Research Assistant, CAMiLEON (Creative Archiving at Michigan and Leeds, Emulating the Old on the New) with Dr. Margaret Hedstrom, University of Michigan School of Information (Funded by National Science Foundation) - 2000-2004

Consultant, Electronic Records Research Agenda. National Historical Publications and Records Commission - 2002-2003

Research Assistant, Evaluating Information and Communications Technology: Perspectives for a Balanced Approach with Dr. Paul Edwards, University of Michigan School of Information (Funded by W.K. Kellogg Foundation) - 2001

Electronic Records Project Archivist, Kansas State Historical Society (Funded by the National Historical Publications and Records Commission) - 1999-2000

Research Assistant, Information Technology for Small Nonprofit Organizations with Dr. Michael Cohen, University of Michigan School of Information - 1998-1999

Research Assistant, Telecommunications Guide to the Internet (with Dr. Jeffrey MacKie-Mason), University of Michigan School of Information - 1997-1998

Teaching Experience:

Assistant Professor, University of North Carolina, School of Information and Library Science – 2005-Present

- Carolina Digital Curation Fellows (CDCF) Introductory Seminar – Fall 2007
- Electronic Records Management – Spring 2006, Spring 2007
- Introduction to Archives and Records Management – Fall 2005, Fall 2006, Spring 2008, Fall 2009
- iRODS Rule Construction – Spring 2009, Spring 2010
- Resource Selection and Evaluation – Spring 2006, Fall 2006, Spring 2007, Fall 2007, Fall 2008
- Understanding Information Technology for Managing Digital Collections – Fall 2008, Spring 2010

Graduate Student Instructor, Social Systems and Collections, University of Michigan School of Information (Course Required of all Masters Students) - 2002, 2003, 2004

- Planned and led weekly discussions
- Developed and graded written assignments
- Organized, maintained and helped to select course materials, including administration of course web space

Instructor, Applying Digital Forensics Techniques to Materials Acquired on Physical Media – 2009

- Developed course
- Taught as half-day workshop at *Archiving 2009* Conference
- Taught as full-day workshop for staff of UNC Libraries

Instructor, Society of American Archivists Basic Electronic Records Workshop – 2003

- Developed and taught interactive, all-day workshop on considerations and strategies for establishing a successful electronic records program

Professor's Assistant, Albion College Department of Political Science - 1993-1994

Flight Instructor, Freelance and L&W Flight Service - 1991-1996

Books & Refereed Papers:

Lee, Christopher A., Richard Marciano, Chien-yi Hou, and Chirag Shah. "Mainstreaming Preservation through Slicing and Dicing of Digital Repositories: Investigating Alternative Service and Resource Options for ContextMiner Using Data Grid Technology." In *Proceedings of the Sixth International Conference on Digital Preservation (iPres)*, San Francisco, California, October 5-6, 2009.

Sieman, Barbara, Raymond Van Diessen, and Christopher A. Lee. "Component Business Model for Digital Repositories." In *Proceedings of the Fifth International Conference on Digital Preservation (iPres)*, London, England, September 29-30, 2008.

Marchionini, Gary, Chirag Shah, Christopher A. Lee, and Robert Capra. "Query Parameters for Harvesting Digital Video and Associated Contextual Information." In *Proceedings of the 9th ACM/IEEE-CS Joint Conference on Digital Libraries*, 77-86. New York, NY: ACM Press, 2009.

Lee, Christopher A., Richard Marciano, Chien-yi Hou, and Chirag Shah. "From Harvesting to Cultivating: Transformation of a Web Collecting System into a Robust Curation Environment." In *Proceedings of the 9th ACM/IEEE-CS Joint Conference on Digital Libraries*, 423-24. New York, NY: ACM Press, 2009.

Lee, Christopher A., and Helen R. Tibbo. "Capturing the Moment: Strategies for Selection and Collection of Web-Based Resources to Document Important Social Phenomena." In *Archiving 2008: Final Program and Proceedings, June 24-27, 2008, Bern, Switzerland*, 300-305. Springfield, VA: Society for Imaging Science and Technology, 2008.

Lee, Christopher A., Robert Capra, Rachel Clemens, and Laura Sheble. "I Know It's Important, But What Am I Looking At? Strategies for using Blog Content to Contextualize YouTube Videos" *Proceedings of the Second Annual Society of American Archivists Research Forum*. Chicago, IL: Society of American Archivists, 2008.

Tibbo, Helen R., Carolyn Hank, and Christopher A. Lee. "Challenges, Curricula, and Competencies: Researcher and Practitioner Perspectives for Informing the Development of a Digital Curation Curriculum." In *Archiving 2008: Final Program and Proceedings, June 24-27, 2008, Bern, Switzerland*, 234-238. Springfield, VA: Society for Imaging Science and Technology, 2008.

Capra, Robert, Christopher A. Lee, Gary Marchionini, Terrell Russell, Chirag Shah, and Fred Stutzman. "Selection of Context Scoping for Digital Video Collections: An Investigation of YouTube and Blogs." In *JCDL 2008: Proceedings of the 8th ACM/IEEE Joint Conference on Digital Libraries: Pittsburgh, Pennsylvania, June 15-20, 2008*, edited by Ronald L. Larsen, Andreas Paepcke, José Luis Borbinha and Mor Naaman, 211-20. New York, NY: ACM Press, 2008.

Lee, Christopher A., Helen R. Tibbo, and John C. Schaefer. "Defining What Digital Curators Do and What They Need to Know: The DigCCurr Project." In *Proceedings of the 2007 Conference on Digital Libraries*, 49-50. New York, NY: ACM Press, 2007.

Lee, Christopher A., Helen R. Tibbo, and John C. Schaefer. "DigCCurr: Building an International Digital Curation Curriculum & the Carolina Digital Curation Fellowship Program." In *Archiving 2007: Final Program and Proceedings, May 21-24, 2007, Arlington, VA*, edited by Scott A. Stovall. Springfield, VA: Society for Imaging Science and Technology, 2007.

Tibbo, Helen R., Chirstopher A. Lee, Gary Marchionini, and Dawne Howard. "VidArch: Preserving Meaning of Digital Video over Time through Creating and Capture of Contextual Documentation." In *Archiving 2006: Final Program and Proceedings, May 23-26, 2006, Ottawa, Canada*, edited by Stephen Chapman and Scott A. Stovall, 210-15. Springfield, VA: Society for Imaging Science and Technology, 2006.

Hedstrom, Margaret, Christopher A. Lee, Judith S. Olson and Clifford A. Lampe. "The old version flickers more': Digital Preservation from the User's Perspective." *American Archivist* 69 (2006): 159-187.

Hedstrom, Margaret and Christopher A. Lee. "Significant properties of digital objects: definitions, applications, implications." *Proceedings of the DLM-Forum 2002, Barcelona, 6-8 May 2002*. Luxembourg: Office for Official Publications of the European Communities, 2002. 218-227.

MacKie-Mason, Jeffrey K. and Christopher Lee. *Telecommunications Guide to the Internet*. Rockville, MD: Government Institutes, 1998.

Research Reports:

Marchionini, Gary, Helen Tibbo, Christopher A. Lee, Paul Jones, Robert Capra, Gary Geisler, Terrell Russell, Laura Sheble, Sarah Jorda, Yaxiao Song, Dawne E. Howard, Rachael Clemens, and Brenn Hill. VidArch: Preserving Video Objects and Context Final Report. UNC SILS TR-2009-01. June 12, 2009

Lee, Christopher A. "Taking Context Seriously: A Framework for Contextual Information in Digital Collections." UNC SILS TR-2007-04. October 18, 2007.

Horton, Robert, Shawn Rounds, and Cal Lee. *Electronic Records Agenda Project Final Report*. National Historical Publications and Records Commission. June 2003.

Lee, Christopher A., Brian S. Williams and Paul N. Edwards. *Evaluating Information and Communications Technology: Perspectives for a Balanced Approach*. W. K. Kellogg Foundation. December 2001.

Lee, Cal. *Establishing a Core Data Set for Homeless Services in Washtenaw County: Findings and Recommendations*. Washtenaw County Continuum of Care Board. April 1999.

Conference Sessions, Panels, Workshops & Papers:

"Bringing Values to the Bitstream: A Framework for Digitally-Aware Professional Ethics of Curation." Society of American Archivists (SAA) Research Forum, Austin, TX, August 11, 2009.

"Addressing the Messiness of Electronic Records Acquisition: Discussion of Methods and Proposed Professional Directions." Society of American Archivists Annual Meeting, Electronic Records Section. Austin, TX, August 14, 2009.

“Contextual Information from Blogs in Video Digital Curation” (Poster). Robert G. Capra, Rachael Clemens, Christopher (Cal) Lee & Laura Sheble. DigCCurr 2009: Digital Curation Practice, Promise and Prospects, Chapel Hill, NC, April 1-3, 2009.

“Moving Web Archiving into the Classroom at UNC: Experiences & Lessons.” DigCCurr 2009: Digital Curation Practice, Promise and Prospects, Chapel Hill, NC, April 1-3, 2009.

“Skills for Significant Properties: Debating Pragmatics and Philosophy in an Area of Digital Curation” (Panel). DigCCurr 2009: Digital Curation Practice, Promise and Prospects, Chapel Hill, NC, April 1-3, 2009.

“Pondering the Professionalities: Curating the Personal.” Invited Speaker. First Digital Lives Research Conference: Personal Digital Archives for the 21st Century, February 8, 2009, British Library.

“Electronic Publishing Town Meeting.” Session Chair. Society of American Archivists Annual Meeting, San Francisco, CA, August 30, 2008

“I Know it's Important, But What Am I Looking at? Strategies for using Blog Content to Contextualize YouTube Videos.” Society of American Archivists Research Forum, San Francisco, CA, August 26, 2008

“What do Job Postings Indicate about Digital Curation Competencies?” Society of American Archivists Research Forum, San Francisco, CA, August 26, 2008

“Preparing Future Digital Curators, Part I: A Summary Report on the Digital Curation Curriculum Project.” LAUNC-CH Annual Research Forum, Chapel Hill, NC, May 21, 2008

“Preserving Attachments from an Email Collection: The Good, the Bad, the Ugly & the Thought-Provoking” What to preserve? Significant Properties of Digital Objects, London, England, April 7, 2008

“International Digital Curation Curriculum: DigCCurr Project.” International Conference on Preservation of Digital Objects (iPres), Beijing, China, October 11-12, 2007

With Helen Tibbo. “Building an International Digital Curation Curriculum.” Society of American Archivists Annual Meeting, Chicago, IL, August 28 - September 2, 2007.

Chair and Commentator, “An Archival Voice in the Institutional Repository Choir: How Does it Sound Now and What Would We Like to Hear?” Society of American Archivists Annual Meeting, Chicago, IL, August 28 - September 2, 2007.

“Lessons from Individual Feedback.” DigCCurr 2007: International Symposium on Digital Curation. Chapel Hill, NC, April 18-20, 2007.

Speaker and panelist. “This Conversation is Being Blogged: Our lives, online, all the time, in the trend towards lifelogging.” Chapel Hill, NC, March 29, 2007.

“Digital Archiving and Securing Digital Information.” North Carolina Electronic Commerce Summit, Raleigh, NC, March 13, 2007.

With Paul Edwards. “Infrastructuration: Technology Studies and/as Social Theory.” Society for Social Studies of Science (4S) Annual Meeting, Vancouver, Canada, November 1-5, 2006.

“Never Optimize: Building & Managing a Robust Cyberinfrastructure.” History and Theory of Infrastructure: Distilling Lessons for New Scientific Cyberinfrastructures, Ann Arbor, MI, September 28 - October 1, 2006.

“Enterprise Architecture and Archives: State Government Context.” Joint Annual Meeting of National Association of Government Archives and Records Administrators (NAGARA), Council of State Historical Records Coordinators (COSHR), and Society of American Archivists (SAA), Washington DC, July 31 - August 6, 2006.

Co-Organizer and Presenter. “Recap & Review: It’s a Checklist, Not a Do List.” Workshop on Digital Curation & Trusted Repositories: Seeking Success, Joint Conference on Digital Libraries (JCDL), Chapel

Hill, NC, June 11-15, 2006.

"Keeping the Context: An Investigation in Preserving Collections of Digital Video." Poster. Joint Conference on Digital Libraries (JCDL), Chapel Hill, NC, June 11-15, 2006.

"Categories of Digital Preservation Service from Institutional Repositories: Preliminary Thoughts." Digital Preservation in State Government: Best Practices Exchange, Wilmington, North Carolina, March 27-28, 2006.

"Research Design and Findings of the CAMiLEON Project." *Society of American Archivists Annual Meeting*. August 15-21, 2005.

Session Chair. "Archival Issues in Digital Rights Management." *Society of American Archivists Annual Meeting*. August 6, 2004.

With Bob Horton. "Revisiting the Electronic Records Research Agenda." *Society of American Archivists Annual Meeting*. August 24, 2002.

With Bob Horton. "Revisiting the NHPRC Electronic Records Research Agenda." *National Association of Government Archives and Records Administrators Annual Meeting*. July 11, 2002.

With David Wallace. "Electronic Records and Government Accountability: Present Practice and Future Prospects." *Computer Professionals for Social Responsibility Annual Conference*. October 20, 2001.

"Emulation, Migration and Long-Term Preservation of Electronic Records." *ECURE 2001: Preservation and Access for Electronic College and University Records*. October 12-13, 2001.

"Beyond the Byte Stream: What to Preserve." *Society of American Archivists Annual Meeting*. August 31, 2001.

"To Emulate or Not to Emulate: That's Not the Question." *Midwest Archives Conference Annual Spring Meeting*. May 4, 2001.

"Looking Outside the Box: Non-Traditional Opportunities for Electronic Records Education." Closing Plenary. *Society of Ohio Archivists Spring Meeting*. April 6, 2001.

"Computer-Assisted Appraisal of Electronic Records." *Joint meeting of Midwest Archives Conference and Mid-Atlantic Region Archives Conference*. October 19, 2000.

"Recordkeeping and the Kansas Statewide Technical Architecture." *Society of American Archivists Annual Meeting*. August 31, 2000.

Moderator and Speaker. "Trustworthy Information." *Midwest Archives Conference Fall Meeting*. October 16, 1999.

**Edited Books
and Journal
Issues:**

With Helen Tibbo, co-editor of *Journal of Digital Information*. Special Issue on Digital Curation & Trusted Repositories: Seeking Success. Volume 8, Number 2. 2007.

**Book
Reviews:**

Lee, Christopher A. "Trusting Records: Legal, Historical, and Diplomatic Perspectives." *American Archivist* 65, no. 1 (2002): 130-136.

**Other
Publications:**

Lee, Christopher A. and Helen R. Tibbo. "Digital Curation and Trusted Repositories: Steps Toward Success." *Journal of Digital Information* 8, no. 2 (2007).

Lee, Christopher A., Helen R. Tibbo, Dawne Howard, Yaxiao Song, Terrell Russell, and Paul Jones. "Keeping the Context: An Investigation in Preserving Collections of Digital Video." *Bulletin of the IEEE Technical Committee on Digital Libraries* 3, no.2 (2007).

Lee, Cal. "Bridging the Gap: Mechanisms for Legitimate Peripheral Participation." *MAC Newsletter* 30, no. 3 (2003).

Lee, Cal. "Open-Source Software: A Promising Piece of the Digital Preservation Puzzle. *ARMAWorks* 13, no. 10 (2002): 2-4.

Lee, Cal. "Guerilla Electronic Records Management: Lessons Learned." *Records and Information Management Report* 18, no. 5 (2002): 1-13.

Lee, Cal. "Guerilla ERM: Lessons Learned from Some Time in the Trenches." *Ohio Archivist*. Spring 2001.

Lee, Cal. "Open-Source Software: A Promising Piece of the Digital Preservation Puzzle." *MAC Newsletter* 29, no. 2 (2001): 26-28.

Honors and Awards:

Second Place, Archiving 2008 Poster Competition (with Helen Tibbo and Carolyn Hank) - 2008

School of Information and Library Science 2007 Outstanding Teacher Award Nomination (University of North Carolina) - 2007

Junior Faculty Development Award (University of North Carolina) - 2007

Paul Evan Peters Fellowship (Coalition for Networked Information) - 2002-2004

University of Michigan Rackham Graduate School Outstanding Graduate Student Instructor Award – 2004

School of Information Outstanding Graduate Student Instructor – 2004

Special Commendation from Digital Preservation Coalition Conservation Award Panel for “development of innovative technical strategies to combat technological obsolescence” (Awarded to CAMiLEON Project Team) - 2004

Second Place, Association of Library and Information Science Educators (ALISE) Doctoral Student Poster Competition - 2004

One Term Dissertation Fellowship (Rackham School of Graduate Studies) – 2004/2005

Managing Electronic Records Conference Student Scholarship (Cohasset Associates) - 1998, 2001

President's Recognition Award (Albion College) - 1991-1995

Gerald Ford Institute for Public Service Leadership Award - 1992, 1993, 1994, 1995

Jack F. Padgett Award in Philosophy - 1995

Rhodes Scholarship State Finalist - 1994

Phi Beta Kappa - 1994

Susan J. Liioi Memorial Scholarship in Ethics - 1994

Professional Services and Leadership:

Society of American Archivists

- *American Archivist* Editorial Board (2008-2012)
- Website Working Group (2008-Present)
- Publications Board (2002-2008)
- Electronic Records Section, Vice-Chair (2000-2001), Chair (2001-2002), Steering Committee (2002-2005)
- Electronic Publications Task Force (2001-2002)

Program Committee, Archival Education Research Institutes (AERI) – 2008-2010

Computer Forensics and Born-Digital Content in Cultural Heritage Collections, Advisory Board – 2009-2010

Extending the Reach of Southern Sources: Proceeding to Large-Scale Digitization of Manuscript Collections, Advisory Board – 2007-2009

Reviewer for Panel Submissions, Joint Conference on Digital Libraries (JCDL) - 2007

National Historical Publications and Records Commission (NHPRC) Electronic Records Research Fellows Program, Executive Board Member – 2006-2007

Kansas Electronic Records Committee, Co-Founder and Chair – 2000

Review of grant proposals to NHPRC – 1999-2002

Peer review of submissions for publication to:

- *American Archivist*
- *Archival Science*
- *Decision Support Systems*
- *Encyclopedia of Library and Information Science*
- *International Journal on Digital Libraries*
- *Journal of the Association for Information Systems*

**Academic
Service:**

University of North Carolina Faculty Council – 2008-2011

Carolina Digital Repository Steering Committee – 2008-Present

University of North Carolina Digital Curation / Institutional Repository Committee – 2005-2008

- Communities and Digital Assets Management Subcommittee (Chair) – 2007-2008
- Infrastructure Planning Group – 2006
- Repository Management Subcommittee (Chair) – 2005-2006

University of North Carolina, School of Information and Library Science

- Personnel Committee – 2007-2008, 2009-2010
- Salary Committee – 2008-2010
- Masters and Curriculum Committee – 2006-2007
- Research and Doctoral Committee – 2005-2006

Art & Museum Library & Information Student Society (AMLISS), Faculty Advisor – 2006-Present

Coordinator, Center for Research and Development of Digital Libraries (CRADLE) Lecture Series – Fall 2008