

Curriculum Vitae

Zack Lischer-Katz, PhD

Assistant Professor in Digital Curation and Preservation

School of Information, College of Social and Behavioral Sciences

University of Arizona, Tucson, AZ

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EDUCATION

Ph.D., Communication, Information & Library Studies, Rutgers University (2017)

Dissertation: "The Construction of Preservation Knowledge in the Artisanal Digital Reformatting of Analog Video Recordings"

Committee: Marija Dalbello (Chair), Nicholas Belkin, Susan Keith, Alan Galey (U. of Toronto)

M.A., Cinema Studies, New York University (2006)

B.A., Economics (Summa Cum Laude, Phi Beta Kappa); Minor: Film Studies, Connecticut College (2004)

ACADEMIC POSITIONS

2020-Present *Assistant Professor in Digital Curation and Preservation*, School of Information, College of Social and Behavioral Sciences, University of Arizona, Tucson, AZ

2016-2020 *Postdoctoral Fellow in Virtual Reality Preservation and Archiving for the Sciences*, Council on Library & Information Resources Fellowship (2016-2018), Postdoctoral Fellowship in Data Curation for the Sciences and Social Sciences, University of Oklahoma Libraries, Norman, OK

2014-2016 *Lecturer*, Digital Communication, Information, and Media Program, Rutgers University, School of Communication & Information, New Brunswick, NJ

2012-2014 *Teaching Assistant*, Department of Library & Information Science, Rutgers University, School of Communication & Information, New Brunswick, NJ

SCHOLARSHIP

Publications

Lischer-Katz, Z. (in preparation). The emergence of digital reformatting in the history of preservation knowledge: 1824 to 2015. For submission to *Journal of Documentation*.

Lischer-Katz, Z., & Cook, M.N. (In press). Virtual reality and the academic library of the future. To appear in *Proceedings of the American Philosophical Society* (Fall 2021).

Bozorgi, K., & **Lischer-Katz, Z.** (2020). Using 3D/VR for research and cultural heritage preservation: Project update on the Virtual Ganjali Khan Project. *Preservation, Digital Technology, & Culture*, 50. <https://doi.org/10.1515/pdte-2020-0017>.

Hardesty, J., Johnson, J., Wittenberg, J., Hall, N., Cook, M., **Lischer-Katz, Z.**, ... McDonald, M. (2020). 3D data repository features, best practices, and implications for preservation models: Findings from a national forum. *College & Research Libraries*, 81 (5), 789-807. <https://doi.org/10.5860/crl.81.5.789>

- Lischer-Katz, Z.** (2020), Archiving experience: An exploration of the challenges of preserving virtual reality. *Records Management Journal*, 30 (2), 253-274. <https://doi.org/10.1108/RMJ-09-2019-0054>
- Clark, J., & **Lischer-Katz, Z.** (2020). Barriers to supporting accessible VR in academic libraries. *Journal of Interactive Technology & Pedagogy*, 17. <https://jitp.commons.gc.cuny.edu/barriers-to-supporting-accessible-vr-in-academic-libraries/>.
- Lischer-Katz, Z.** (2019). Reconsidering technical labor in information institutions: The case of analog video digitization. *Library Trends*, 68(2), 213-251. <https://muse.jhu.edu/article/746746>
- Hall, N., Hardesty, J., **Lischer-Katz, Z.**, Johnson, J., Cook, M.N., Griffin, J., ... McDonald, R. (2019). 3D curation and reuse challenges from the first LIB3DVR forum. *International Journal of Digital Curation*, 14(1). <http://www.ijdc.net/article/view/588/551>.
- Cook, M.N., **Lischer-Katz, Z.**, Hall, N., Hardesty, J., Johnson, J., McDonald, R., & Carlisle, T. (2019). Challenges and strategies for educational virtual reality: Results of an expert-led forum on 3D/VR technologies across academic institutions. *Information Technology and Libraries*, 38(4), 25-48. <https://doi.org/10.6017/ital.v38i4.11075>.
- Cook, M.N., & **Lischer-Katz, Z.** (2019). Integrating 3D and VR into research and pedagogy in higher education. In K. Varnum (Ed.), *Beyond reality: Augmented, virtual, and mixed reality in the library*. Chicago: ALA Editions.
- Lischer-Katz, Z.** (2017 Jan.). Studying the materiality of media archives in the age of digitization: Forensics, infrastructures, and ecologies. *First Monday*, 22(1). <http://firstmonday.org/ojs/index.php/fm/article/view/7263>
- Lischer-Katz, Z.**, & Trammell, A. (2017 Jan.). Viewing patterns: Information and media infrastructures – Editors' introduction. *First Monday*, 22(1). <http://firstmonday.org/ojs/index.php/fm/article/view/7262>
- Trammell, A., & **Lischer-Katz, Z.** (2016, July). Introduction to special issue: Considering the sequel to game studies... *Journal of Games Criticism*. <http://gamescriticism.org/articles/trammellischer-katz-3-a>
- Lischer-Katz, Z.** (2013, October 22). Archiving until the end of the republic. *In Media Res*. Retrieved from, <http://mediacommons.futureofthebook.org/imr/2013/10/22/archiving-until-end-republic>
- Lischer-Katz, Z.** (2011, July). Available machines: Remembering the Experimental Television Center, 1969-2011. *Moving Image Source*. <http://www.movingimagesource.us/articles/available-machines-20110713>
- Edited Volumes**
- Grayburn, J., **Lischer-Katz, Z.**, Golubiewski-Davis, K., & Ikeshoji-Orlati, V. (2019). *3D/VR in the academic library: Emerging practices and trends*. CLIR Report 176. <https://www.clir.org/wp-content/uploads/sites/6/2019/02/Pub-176.pdf>
- Lischer-Katz, Z.**, & Trammell, A. (2017 Jan.). Viewing patterns: Information and media Infrastructures. *First Monday*, 22(1). <http://firstmonday.org/ojs/index.php/fm/issue/view/499>
- Trammell, A., & **Lischer-Katz, Z.** (2016 July). Views from the cultural turn in game studies. *Journal of Games Criticism*. <http://gamescriticism.org/issue-3-a>
- Conference Proceedings**
- Lischer-Katz, Z.**, Cook, M.N., Hall, N., Hardesty, J., Wittenberg, J., Johnson, J., ... Carlisle, T. (2019). Supporting virtual reality and 3D in academic libraries: Defining preservation and curation challenges. In *Proceedings of the 16th International Conference on Digital Preservation iPRES 2019* (pp. 114-125),

Amsterdam, The Netherlands (Sept. 16-20). <https://ipres2019.org/static/proceedings/iPRES2019.pdf>

Lischer-Katz, Z., Cook, M., & Boulden, K. (2018). Evaluating the impact of a virtual reality workstation in an academic library: Methodology and preliminary findings. *Proceedings of the Association for Information Science and Technology Annual Conference* (pp. 300-308), Vancouver, Canada, Nov. 9-14. <https://www.asist.org/wp-content/uploads/2018/11/Final-81st-Annual-Meeting-Proceedings.pdf>

Lischer-Katz, Z. (2017). Techniques of visual knowledge construction in the practices of analog videotape digitization. *Proceedings of the Association for Information Science and Technology Annual Conference*, Washington, DC, Oct. 27-Nov. 1.

Lischer-Katz, Z. (2016). Contextualizing digital reformatting in the history of preservation knowledge: Timeline and research directions. *Proceedings of iConference 2016*, Philadelphia, PA, March 20-23.

Lischer-Katz, Z. (2014). Digitization as information practice: A case study. *Proceedings of iConference 2014* (pp. 1101-1107), Berlin, Germany, March 2-7.

Lischer-Katz, Z. (2014). Considering JPEG2000 for video preservation: A battle for epistemic ground. *Proceedings of iConference 2014* (pp. 1056-1065), Berlin, Germany, March 2-7.

Lischer-Katz, Z. (2012). Conceptualizing emergent archival forms: A case study of the Occupy Wall Street “archive”. *Proceedings of the American Society for Information Science and Technology Annual Conference*, 49(1), 1-3.

Invited Presentations

Lischer-Katz, Z. (2020, Oct. 27). Preserving VR in academic libraries. Talk given at the Harvard University Libraries XR Group Meeting.

Lischer-Katz, Z. (2018, Nov. 1). Using 3D and VR for research and teaching: Preservation challenges. *Born to Be 3D: Digital Stewardship of Intrinsic 3D Data*, Forum at Library of Congress, Washington, DC. <https://www.loc.gov/preservation/digital/meetings/b2b3d/b2b3d2018.html>

Lischer-Katz, Z. (2016, Nov. 17). Studying the epistemologies of preserving visual information. *History of Science Brown Bag Talk*, Dept. of History of Science, University of Oklahoma, Norman, OK.

Lischer-Katz, Z., & Resch, G. (2016, June 9). Data physicalization and visual epistemologies. Presentation at *Unflattening and enacting visualization*, City University of New York – Graduate Center, New York, NY.

Conference Presentations

Clark, J., & **Lischer-Katz, Z.** (2020). Supporting accessible XR in the academic library: Institutional and practical challenges. Ethical XR Symposium, Florida Atlantic University, Boca Raton, FL (Feb. 21).

Lischer-Katz, Z. (2019, July). Analyzing assemblages of digital texts: Bibliographic codes in virtual reality. Society for the History of Authorship, Reading, & Publishing, Annual Meeting, Amherst, MA (July 15-19).

Lischer-Katz, Z., Grayburn, J., Golubiewski-Davis, K., & Ikeshoji-Orlati, V. (2018 Oct.). Challenges of preserving 3D/VR information resources for diverse stakeholder groups. NDSA: Digital Preservation, Las Vegas, NV (Oct. 17-18).

Moore, J., Hardesty, J., **Lischer-Katz, Z.**, & Whiteside, A. (2018 Oct.). Common goals for 3D and virtual reality: Insights and collaborations from three IMLS-funded projects. Digital Library Federation Forum, Las Vegas, NV (Oct. 15-17).

- Lischer-Katz, Z., & Cook, M.** (2018 Sept.). Expanding access to library collections in three dimensions. The Past, Present, and Future of Libraries, American Philosophical Society, Philadelphia, PA (Sept. 27-29).
- Lischer-Katz, Z.** (2018 April). Supporting 3D/VR technologies in academic libraries: Curation and preservation challenges. Coalition for Networked Information, Spring Meeting, San Diego, CA (April 12-13).
- Lischer-Katz, Z., & Cook, M.** (2018, February). Evaluating virtual reality use in academic library-supported course integrations: Methodology and initial findings. Association for Library and Information Science Education, Annual Meeting, Denver, CO (February 6-9).
- Lischer-Katz, Z.** (2017 November). Lasers, points, and polygons: Epistemologies for 3D modeling the world. Imagined Forms: Modeling and Material Culture, Center for Material Culture Studies, University of Delaware (Nov. 17-18).
- Lischer-Katz, Z.** (2017 November). Curating 3D/VR digital assets: Challenges and directions forward. Central Plains Network for Digital Asset Management, Virtual Conference (Nov. 7).
- Lischer-Katz, Z., & Carlisle, T.** (2017 October). Disrupting the (digital) library: CLIR fellows as change agents for digital scholarship services in academic libraries. Digital Library Federation Forum, Pittsburgh, PA (Oct. 23-25).
- Lischer-Katz, Z., & Cook, M.** (2017 April). Virtual reality in the trenches: Addressing the preservation challenges of virtual reality for scholarship. Coalition for Networked Information, Albuquerque, NM (April 3-4).
- Negri, S., Lipman, R., Fossati, G., **Lischer-Katz, Z., & Currò, D.** (2017 March). De-materialized evidence: Film archival holdings and the transition to digital technology. Workshop at the Society for Cinema & Media Studies Conference, Chicago (March 22-26).
- Lischer-Katz, Z.** (2016). Languages of visual remediation: “Translating” codified knowledge through digitization guidelines for visual materials. Society for the History of Authorship, Reading & Publishing annual conference, Paris, France (July 18-21).
- Lischer-Katz, Z.** (2015). New materialist directions for studying media archives. The 6th International Conference on the Image, University of California, Berkeley (October 29-30).
- Lischer-Katz, Z.** (2015). Information institutions and digital (re)production: Approaches to historicizing preservation technology. Library History Seminar XIII, Simmons College, Boston (July 31-August 2).
- Lischer-Katz, Z.** (2015). Studying the visual epistemologies of digitization: A theoretical and methodological framework. Archival Education & Research Institute, University of Maryland, College Park (July 13-17).
- Lischer-Katz, Z.** (2015). Reading temporality in ascendant electronic environments: A phenomenological-textual inquiry into social media platforms as reading apparatuses. Society for the History of Authorship, Reading & Publishing Annual Conference, Montreal & Longueuil, Canada (July 7-10).
- Lischer-Katz, Z.** (2015). Digital reformatting as memory practice: Reflections on digitizing a personal audiovisual collection. Personal Digital Archiving Conference, New York University (April 24-26).
- Lischer-Katz, Z.** (2015). The calibration of the visible: Critical approaches to the digitization of media archives. Ryerson and York Universities’ Intersections 2015 Conference, Toronto, Canada (March 13-

14).

Lischer-Katz, Z. (2014). *The Book of Changes* and print fixity: John Cage's aleatory publishing practices. Society for the History of Authorship, Reading & Publishing, Annual Conference, Antwerp, Belgium (September 17-21).

Lischer-Katz, Z. (2014). Exploring archival standards within the sociology of knowledge. Archival Education and Research Institute, University of Pittsburgh (July 14-18).

Lischer-Katz, Z. (2014). Identifying radical memory practices in archival infrastructures. Radical Archives Conference, Asian/Pacific/American Institute, New York University (April 11-12).

Lischer-Katz, Z. (2014). Archival intervention as radical politics?: Occupy Wall Street and the limits of control. Memories, Identities & Communities Conference, Centre for Archive and Information Services, University of Dundee, Scotland (April 23-25).

Book Reviews

Lischer-Katz, Z. (2009). Review of S. Higgins (2007), *Harnessing the Technicolor rainbow: Color design in the 1930s. The Moving Image*, 9(1), 240-243.

<http://muse.jhu.edu/journals/mov/summary/v009/9.1.lischer-katz.html>

TEACHING

University of Arizona, School of Information (Graduate):
LIS/INFO 515 Organization of Information (Fall 2020)

Rutgers University, Master in Information (Graduate):
Producing and Preserving Visual Information in Information Institutions (Online) (Summer 2018, 2019, 2020)

University of Oklahoma, School of Library and Information Studies (Graduate/Undergraduate):
Introduction to Information Visualization (Online) (Fall 2019)
Information and Communication Technology (Online) (Spring 2019)
Introduction to Information Visualization (Online) (Spring 2018)

Rutgers University, Digital Communication and Information Program (Undergraduate):
Structure of Information (Hybrid) (Fall 2014, Spring 2015, Fall 2015, Spring 2016, Summer 2016)

Teaching Assistant, Rutgers University, Information Technology and Informatics Program (Undergraduate):
Gender and Technology (Spring 2014)

Rutgers University, Master of Library and Information Science (Graduate):
Reading Interests of Adults (Online) (Fall 2013)
Digital Libraries (Fall 2012, Spring 2013)

Co-Instructor, New York University, Dept. of Cinema Studies, Moving Image Archiving and Preservation Program (Graduate):
Video Preservation I (Fall 2012)

INVITED CLASSROOM LECTURES

Master of Information Program, School of Communication & Information, Rutgers University
Guest Lecture, Current Issues in Archives and Preservation Theory and Practice (Course taught by Prof. Marija Dalbello):

The Social Shaping of Preservation Standards (April 21, 2016)

Guest Lecture, History of Books, Documents, and Records in Print and Electronic Environments (Course taught by Prof. Marija Dalbello):

Between Musical Score and Literary Text: Decoding John Cage's Publishing Practices (Sept. 16, 2015)

Moving Image Archiving and Preservation Program, Tisch School of the Arts, New York University

Moving Image and Sound: Basic Issues and Training:

16mm Film Projection (2008-2012) (2 class sessions each year; lecture with hands-on training)

35mm Film Projection (2010-2012) (1 class session each year; lecture with hands-on training)

Film Digitization (2009-2012) (1 class session each year; lecture with hands-on training)

FELLOWSHIPS/AWARDS/FUNDING

Co-PI & Grant Writer, "Developing Library Strategy for 3D and Virtual Reality Collection Development and Reuse" (IMLS 73-17-0141-17), Project funded through a \$95,024 grant from the Institute for Museum and Library Services (December 1, 2017 - November 30, 2019).

Principal Investigator, "3D/VR Creation and Curation in Higher Education: A Colloquium to Explore Standards and Best Practices," Project funded through a \$9,833 grant from Council on Library and Information Resources (August 2017 – November 2018).

PhD Scholarship, Distinguished MLIS & PhD Student Support Fund, School of Communication & Information, Rutgers University (Fall 2016).

PhD Program Award, Best Continuing PhD Student in Library Science, School of Communication & Information, Rutgers University (May 2016).

School of Communication & Information, Support for Doctoral Student Research Training – Travel Support to Attend the International Congress of Qualitative Inquiry at the University of Illinois at Urbana-Champaign (May 18-21, 2016).

PhD Program Travel Grant, School of Communication & Information, Rutgers University, Travel to Philadelphia, PA to attend the 2016 iConference (March 20-23, 2016).

Travel Grant, Graduate School - New Brunswick, Rutgers University, Travel to Berkeley, CA, to attend the 6th International Conference on the Image, University of California (October 29-30, 2015).

PhD Program Travel Grant, School of Communication & Information, Rutgers University, Travel to Berkeley, CA, to attend the 6th International Conference on the Image, University of California (October 29-30, 2015).

TA/GA Professional Development Fund Award, Rutgers University Graduate School of New Brunswick, and the School of Communication & Information (August 2015).

PhD Program Travel Grant, School of Communication & Information, Rutgers University, Travel to Boston, MA to attend Library History Seminar XIII (July 31-August 2, 2015).

Doctoral Student Scholarship, Archival Education and Research Institute (AERI), Travel to University of Maryland, College Park, MD, to attend annual AERI conference (July 13-17, 2015).

PhD Program Travel Grant, School of Communication & Information, Rutgers University, Travel to Montreal and Longueuil, Canada (July 7-10, 2015).

PhD Program Travel Grant, School of Communication & Information, Rutgers University, Travel to Toronto, Canada to attend Ryerson and York Universities' Intersections 2015 Conference (March 13-14, 2015).

PhD Program Travel Grant, School of Communication & Information, Rutgers University, Travel to Belgium to attend Society for the History of Authorship, Reading & Publishing Annual Meeting (September 2014).

Travel Grant, Graduate School - New Brunswick, Rutgers University, Travel to Belgium to attend Society for the History of Authorship, Reading & Publishing Annual Meeting (September 2014).

Travel Scholarship, from the Society for the History of Authorship, Reading & Publishing, to attend Annual Conference, Antwerp, Belgium (September 17-21).

Doctoral Student Scholarship, Archival Education and Research Institute, University of Pittsburgh, Pittsburgh, PA (July 14-18, 2014).

Award for Distinguished Achievement as a Teaching Assistant, Department of Library and Information Science, School of Communication & Information, Rutgers University (May 2014).

PhD Program Travel Grant, School of Communication & Information, Rutgers University, Travel to Memories, Identities and Communities Conference, University of Dundee, Dundee, Scotland (April 23-25, 2014).

PhD Program Travel Grant, School of Communication & Information, Rutgers University, Travel to iConference, Berlin, Germany (March 4-7, 2014).

PhD Program Travel Grant, School of Communication & Information, Rutgers University, Travel to American Society for Information Science and Technology Conferences, Baltimore, MD (Oct. 26-30, 2012).

Teaching Assistantship, School of Communication & Information, Rutgers University (2012-2014).

Cinema Studies Department Fellowship, Tisch School of the Arts, New York University (2004-2006)

Ruby Turner Morris Prize for Excellence in Economics, Connecticut College (2004)

Distinction in Economics, Connecticut College (2004)

Lawrence Scholarship, Connecticut College (2000)

SERVICE

Committees

Graduate Student Committee, School of Information, University of Arizona (August 2020 – Present).

Advising and Mentorship

Thesis Advisor for Savannah Campbell. Thesis title: *A "Rift" in our practices? Toward preserving virtual reality*. Master of Arts in Moving Image Archiving and Preservation, New York University, New York, NY (Nov. 2016 – June 2017).

Conferences

Peer Reviewer, Papers, iConference 2021, Beijing, China (virtual conference), March 28-31, 2021.

Peer Reviewer, Posters, SIGUSE Symposium, Association for Information Science and Technology Annual Meeting (virtual conference), Oct. 22-Nov. 1, 2020.

Peer Reviewer, Posters and Papers, Association for Information Science and Technology Annual Meeting (virtual conference), Oct. 22-Nov. 1, 2020.

Peer Reviewer, Papers, Association for Library and Information Science Education Annual Meeting (virtual conference), Oct. 13-23, 2020.

Peer Reviewer, Posters, Association for Information Science and Technology Annual Meeting, Melbourne, Australia, Oct. 19-23, 2019 (Reviewed June 2019).

Peer Reviewer, Papers, iConference 2019, University of Maryland, March 31- April 3 (Reviewed October 2018).

Peer Reviewer, Posters, Association for Information Science and Technology Annual Meeting, Vancouver, Canada, Nov. 10-14, 2018 (Reviewed June 2018).

Peer Reviewer, Papers, iConference 2018, Sheffield, UK, March 25-28 (Reviewed October 2017).

Peer Reviewer, iConference Doctoral Colloquium, iConference 2017, Wuhan, China (Reviewed October 2016).

Books and Journals

Peer Reviewer, *KULA: Knowledge Creation, Dissemination, and Preservation Studies* (Reviewed May 2018).

Peer Reviewer, *Science & Technology Studies* (Reviewed March 2018).

Peer Reviewer, *Libraries: Traditions and Innovations*, edited volume based on the proceedings of the 2015 Library History Seminar (Reviewed March 2016).

Conferences and Other Events

Executive Committee & Programming Chair, Extending Play 3: Play/Game Studies Conference, Rutgers University (Sept 31-Oct 1, 2016)

Programming Coordinator, Extending Play 2: Play/Game Studies Conference, Rutgers University (April 17-18, 2015)

Keynote Liaison, Extending Play 1: Play/Game Studies Conference, Rutgers University (April 19-20, 2013)
Public Relations Coordinator, Cinema Studies Graduate Student Conference, NYU (March 25-26, 2005)

Coordinating Committee, Student Colloquium Guest Lecture Series, Cinema Studies, NYU (2004-2006)

Community Outreach

Board of Directors, Jersey Art Exchange (<http://thejax.online>), a non-profit arts and technology education program serving underserved communities in Jersey City, NJ (June 2016 – Nov. 2020).

CURATED EXHIBITIONS

Co-curator, *Bergen Hill Sound/Image*, Multimedia and Performance Exhibition, Jersey City, NJ (March 4, 2016)

Co-curator, *Timeshifting*, Multimedia and Performance Exhibition, Jersey City, NJ (October 6, 2012)

Film Curator, *Cinematheque Film Series*, Department of Cinema Studies, New York University (2009 to 2012)

Co-curator, *Bergen Hill Sound/Image*, Multimedia and Performance Exhibition, Jersey City, NJ (June 3, 2011)

PROFESSIONAL WORKSHOPS CONDUCTED

Film Handling and Preservation, George Washington University, Washington, DC (February 4, 2011)

Film Handling and Preservation, Rockefeller Archives, Tarrytown, NY (March 24, 2009)

Film Handling and Preservation, Church Community International, New Paltz, NY (June 14, 2008)

RELATED PROFESSIONAL EXPERIENCE

Audio Visual Preservation Solutions, New York, NY, Film Preservation Consultant (2008-2013)

New York University, Moving Image Archiving and Preservation Program, Administrative Aide (2006-2012)

New York University, Department of Cinema Studies, Film Study Center, Archive Assistant (2006-2012)

Film Projectionist and Film Inspector, Department of Cinema Studies (2004-2006)

MEMBERSHIPS IN PROFESSIONAL ORGANIZATIONS

- Association for Information Science and Technology (2012 to Present)
 - Co-Chair, SIGVIS (Special Interest Group - Visualization, Images, & Sound) (2020-present)
- Association for Library and Information Science Education (2016 to Present).
- Association of Moving Image Archivists (2007 to Present);
 - Education Committee (2007-2012).
- Society for the History of Authorship, Reading & Publishing (2014 to Present).