**Seminal Works List**

**Fall 2021** – INLS 881

This document lists SILS faculty sources in the published literature that we consider to be seminal - one that later scholars have built upon fruitfully because it initiated a new area of research or introduced a new way of understanding a phenomenon.

# Jaime Arguello

My area:

J. Shane Culpepper, Fernando Diaz, and Mark D. Smucker. 2018. Research Frontiers in Information Retrieval: Report from the Third Strategic Workshop on Information Retrieval in Lorne (SWIRL 2018). SIGIR Forum 52, 1 (August 2018), 34-90. <https://doi.org/10.1145/3274784.3274788>

Eugene Agichtein, Eric Brill, Susan Dumais, and Robert Ragno. 2006. Learning user interaction models for predicting web search result preferences. In Proceedings of the 29th annual international ACM SIGIR conference on Research and development in information retrieval (SIGIR '06). ACM, New York, NY, USA, 3-10. http://dx.doi.org/10.1145/1148170.1148175

Timothy G. Armstrong, Alistair Moffat, William Webber, and Justin Zobel. 2009. Improvements that don't add up: ad-hoc retrieval results since 1998. In Proceedings of the 18th ACM conference on Information and knowledge management (CIKM '09). ACM, New York, NY, USA, 601-610. https://doi.org/10.1145/1645953.1646031

Ron Bergquist

My area:

Garceau, O. (1956). *The public library in the political process: A report of the public library inquiry*. New York: Columbia Univ. Press.

Lidwell, W., Holden, K., Butler, J., & Elam, K. (2010). *Universal principles of design: 125 ways to enhance usability, influence perception, increase appeal, make better design decisions, and teach through design.* Beverly, MA : Rockport Publishers, an imprint of the Quarto Group, 2010. Norman, D. A. (2011). *Living with complexity.* Cambridge, Mass: MIT Press. 2011

LIS in general:

Brown, J. S., & Duguid, P. (2017). *The social life of information*. Boston, Mass. Harvard Business School Press 2017

Kromhout, B. (March 26, 2018). *Containers will not fix your broken culture (and other hard truths)*. Communications of the Acm, 61, 4, 40-43.

Gleick, J. (2012). *The information: A history, a theory, a flood*. New York: Vintage Books. 2012

# Rob Capra

My area:

A. Wexelblat and P. Maes. Footprints: History-rich tools for information foraging. In CHI, pages 270–277. ACM, 1999.

Twidale, M., Nichols, D., Paice, C. (1997). Browsing is a Collaborative Process. Information Processing and Management, 33(6): 761-783.

Yuelin Li and Nicholas J. Belkin. A faceted approach to conceptualizing tasks in information seeking.

Information Processing and Management, 44(6):1822–1837, 2008.

LIS in general:

Marchionini, G. (2006). Exploratory Search: From Finding to Understanding. Communications of the ACM 49(4): 41-46.

Knight, S. A., & Spink, A. (2008). Toward a web search information behavior model. In Web search (pp. 209-234). Springer, Berlin, Heidelberg.

Fisher, Karen E., Sanda Erdelez, and Lynne EF McKechnie. Theories of information behavior. Information Today, Inc., 2005.

# Sayamindu Dasgupta

My area:

Papert, S. (1980). *Mindstorms: Children, computers, and powerful ideas*. New York: Basic Books.

Lave, J., & Wenger, E. (1991). *Situated learning: Legitimate peripheral participation*. Cambridge University Press.

hooks, b. (1994). *Teaching to transgress: Education as the practice of freedom*. New York: Routledge.

LIS in general:

Bowker, G. C., & Star, S. L. (2000). *Sorting Things Out: Classification and Its Consequences*. MIT Press.

Bush, V. (1945). As We May Think. *The Atlantic Monthly*, *176*(1).

Pollack, M. E. (2010). TIMELINES: Reflections on the Future of iSchools from a Dean Inspired by Some Junior Faculty. *Interactions*, *17*(1), 66–68.

# Melanie Feinberg

My area:

Donna Haraway. 1988. Situated knowledges: the science question in feminism and the privilege of partial perspective. *Feminist Studies* 14, 3: 575-599.

David Pye. 1968. *The nature and art of workmanship.* Cambridge, UK: Cambridge University Press.

Marcia Bates. 1976. Rigorous systematic bibliography. *RQ,* 16: 5–24.

LIS in general:

Michael Buckland. 1997. What is a “document”? *Journal for the American Society of Information Science* 48 (9): 804–809.

Patrick Wilson. 1968. *Two kinds of power: an essay on bibliographic control.* Berkeley and Los Angeles: University of California Press.

M.E. Maron. 1961. Automatic indexing: an experimental inquiry. *Journal of the ACM* 8(3): 404–17.

# Amelia Gibson

My area:

Chatman, Elfreda A. "The Impoverished Life-World of Outsiders." Journal of the American Society for Information Science 47, no. 3 (1996): 193-206. [https://doi.org/10.1002/(SICI)10974571(199603)47:3%3C193::AID-ASI3%3E3.0.CO;2-T.](https://doi.org/10.1002/(SICI)1097-4571(199603)47:3%3C193::AID-ASI3%3E3.0.CO;2-T)

Samek, Toni. *Librarianship and Human Rights: A Twenty-First Century Guide*. Oxford: Chandos, 2007.

Sonnenwald, Diane H. "Evolving Perspectives of Human Information Behavior: Contexts, Situations, Social Networks and Information Horizons." In *Exploring the Context of Information Behaviour*, edited by T. Wilson and C. Allen, 176-90. London: Taylor Graham, 1999.

# David Gotz

My area:

Ben Shneiderman. 1996. The Eyes Have It: A Task by Data Type Taxonomy for Information Visualizations. In Proceedings of the 1996 IEEE Symposium on Visual Languages (VL '96). IEEE Computer Society, Washington, DC, USA.

William S. Cleveland and Robert McGill. Graphical Perception: Theory, Experimentation, and Application to the Development of Graphical Methods. Journal of the American Statistical Association. Vol. 79, No. 387 (Sep., 1984), pp. 531-554.

Stolte, Chris & Tang, Diane & Hanrahan, P. (2002). Polaris: A system for query, analysis, and visualization of multidimensional relational databases. Visualization and Computer Graphics, IEEE Transactions on. 8. 52-65. 10.1109/2945.981851.

Keim, Daniel, et al. "Visual analytics: Definition, process, and challenges." Information visualization. Springer, Berlin, Heidelberg, 2008. 154-175.

# Stephanie W. Haas

My area:

Stephanie Biber, D. (1989) A typology of English texts Linguistics 27 (1989) 3-43.

<https://www.degruyter.com/view/j/ling.1989.27.issue-1/ling.1989.27.1.3/ling.1989.27.1.3.xml> (I also recommend his book, Variation across speech and writing, Cambridge University Press)

Harkema H, Dowling JN, Thornblade T, Chapman WW (2009) ConText: an algorithm for determining negation, experiencer, and temporal status from clinical reports. J Biomed Inform 42(5): 839051 doi:

10.1016j.jbi.2009.05.002 PMID 1943614

Star, SL & Griesemer, J. (1989) Institutional Ecology, ‘Translations’ and Boundary Objects: Amateurs and

Professionals in Berkeley’s Museum of Vertebrate Zoology, 1907-39. Social Studies of Science, V. 19, 387-420. <https://www.jstor.org/stable/285080>

Blair, DC & Maron ME (1985) 28(3) An evaluation of retrieval effectiveness for a full-text documentretrieval system. Communications of the ACM 28(3), 289-299 DOI 10.1145/3166.3197

# Mohammad Hossein Jarrahi

My area:

Orlikowski, Wanda J. "Using technology and constituting structures: A practice lens for studying technology in organizations." *Organization science* 11.4 (2000): 404-428.

Kling, Rob. "What is social informatics and why does it matter?." *The Information Society* 23.4 (2007): 205220.

Lamb, Roberta, and Rob Kling. "Reconceptualizing users as social actors in information systems research." *MIS quarterly* (2003): 197-236.

LIS in general:

Star, Susan Leigh, and Karen Ruhleder. "Steps toward an ecology of infrastructure: Design and access for large information spaces." *Information systems research* 7.1 (1996): 111-134.

Dourish, Paul. "What we talk about when we talk about context." *Personal and ubiquitous computing* 8.1 (2004): 19-30.

Bowker, Geoffrey C., and Susan Leigh Star. *Sorting things out: Classification and its consequences*. MIT press, 2000.

# Christopher (Cal) Lee

My area:

Rothenberg, Jeff. "Ensuring the Longevity of Digital Documents." *Scientific American* 272, no. 1 (January 1995): 42-47.

Task Force on Archiving of Digital Information. Preserving Digital Information: Report of the Task Force on Archiving of Digital Information. Commission on Preservation and Access and Research Libraries Group (Washington, DC: May 1 1996). <https://www.clir.org/pubs/reports/pub63/>

Shapiro, Carl, and Hal Varian. *Information Rules*. Boston: Harvard Business School Press, 1999.

LIS in general:

Bowker, Geoffrey C., and Susan Leigh Star. *Sorting Things Out: Classification and Its Consequences*. Cambridge, MA: MIT Press, 1999. [http://webcat.lib.unc.edu/record=b4005639.](http://webcat.lib.unc.edu/record=b4005639)

Bush, Vannevar. "As We May Think." *Atlantic Monthly* 176, no. 1 (July 1945 1945): 101-08. [http://www.theatlantic.com/doc/194507/bush.](http://www.theatlantic.com/doc/194507/bush)

Lessig, Lawrence. Code and Other Laws of Cyberspace. New York: Basic Books, 1999. [See also Version 2.0, 2006.]

# Gary Marchionini

Engelbart, Douglas C. Augmenting Human Intellect: A Conceptual Framework. Stanford Research Institute. Menlo Park, CA: October 1962. <http://dougengelbart.org/content/view/138>

Marchionini, Gary. Exploratory Search: From Finding to Understanding. Communications of the ACM 49, no. 4 (2006): 41-46.<https://doi.org/10.1145/1121949.1121979>

Weaver, Warren. “Recent contributions to the mathematical theory of communication.” In *The mathematical theory of communication*. Urbana, IL: University of Illinois Press, 1949. [Read Chapter 1] Note: reading Shannon advised but this chapter explains Shannon’s information theory in simple terms. https://pdfs.semanticscholar.org/c4ee/686f5dd14ac83c4b10a8bce9a62341ea0a3a.pdf

Zuboff, Shoshana. The Age of Surveillance Capitalism: The Fight for a Human Future at the New Frontier of Power. New York: PublicAffairs, 2019.

# Marijel (Maggie) Melo

My area:

Berlant, L. G. (2011). *Cruel optimism*. Durham: Duke University Press.

Brennan, T. (2004). *Transmission of affect.* Ithaca: Cornell University Press.

Toffler, A. (1980). *The third wave*. New York: Morrow.

LIS in general:

Freire, P. (1993). *Pedagogy of the oppressed*. New York: Continuum.

González, N., Moll, L. C., & Amanti, C. (2005). *Funds of knowledge: theorizing practice in households, communities, and classrooms*. Mahwah, N.J.: L. Erlbaum Associates. Huotari, M-L., & Chatman, E. (2001). Using everyday life information seeking to explain organizational behavior. *Library and Information Science Research*, 23(4), 351-366.

Arcot Rajasekar

My area:

(Data Management) Chaitanya Baru, Reagan Moore, Arcot Rajasekar, and Michael Wan. 1998. The SDSC storage resource broker. In Proceedings of the 1998 conference of the Centre for Advanced Studies on Collaborative research (CASCON '98), Stephen A. MacKay and J. Howard Johnson (Eds.). IBM Press. <https://dl.acm.org/citation.cfm?id=783165>

(Data Science) Tony Hey, Stewart Tansley, Kristin Tolle (2009) “The Fourth Paradigm: Data-Intensive Scientific Discovery,” Microsoft Research, October 2009. ISBN: 978-0-9825442-0-4.

<https://www.immagic.com/eLibrary/ARCHIVES/EBOOKS/M091000H.pdf>

LIS in general:

(Databases) Codd, E.F. (1970). A Relational Model of Data for Large Shared Data Banks, Indo. Ret. Vl 13,

No 6, June 1970. <https://www.seas.upenn.edu/~zives/03f/cis550/codd.pdf>

(Information Theory) [Shannon, Claude E. (](https://en.wikipedia.org/wiki/Claude_Shannon)July – October 1948)[. "A Mathematical Theory of Communication"](https://en.wikipedia.org/wiki/A_Mathematical_Theory_of_Communication)[. *Bell System Technical Journal.*](https://en.wikipedia.org/wiki/Bell_System_Technical_Journal)**27** (3): 379–423[. doi](https://en.wikipedia.org/wiki/Digital_object_identifier)[:10.1002/j.1538-7305.1948.tb01338.x](https://doi.org/10.1002%2Fj.1538-7305.1948.tb01338.x)[. hdl](https://en.wikipedia.org/wiki/Handle_System)[:11858/00-001M-0000-002C-4314-2.](https://hdl.handle.net/11858%2F00-001M-0000-002C-4314-2) [https://web.archive.org/web/20120806133854/https://www.alcatel-lucent.com/bstj/vol27-1948/articles/bstj27-3-379.pdf](https://web.archive.org/web/20120806133854/https:/www.alcatel-lucent.com/bstj/vol27-1948/articles/bstj27-3-379.pdf)

(Distributed Computing) Jeffrey Dean and Sanjay Ghemawat (2004), “MapReduce: Simplified Data Processing on LargeClusters,” OSDI 2004[, http://static.googleusercontent.com/media/research.google.com/es/us/archive/mapreduceosdi04.pdf](http://static.googleusercontent.com/media/research.google.com/es/us/archive/mapreduce-osdi04.pdf)

# Casey H. Rawson

My area:

(Methodology) Lincoln, YS. & Guba, EG. (1985). *Naturalistic Inquiry*. Newbury Park, CA: Sage Publications.

(Design-based research): Brown, Ann L. (1992). Design experiments: Theoretical and methodological challenges in creating complex interventions in classroom settings. *The Journal of the Learning Sciences*, 2(2), 141-178. doi:10.1207/s15327809jls0202\_2

(Equity in youth literature and library services): Larrick, Nancy. “The all-white world of children’s books.”

*Saturday Review* (September 11, 1965): 63-65 and 84-86. - <http://www.longwood.edu/staff/miskecjm/384larrick.pdf>

LIS in general:

Bates, Marcia J. “The invisible substrate of information science.” *Journal of the American Society for Information Science* 50, no. 12 (1999): 1043-1050.

Chatman, Elfreda A. “The impoverished life-world of outsiders.” *Journal of the American Society for Information Science* 47, no. 3 (1996): 193-206.

Kuhlthau, C. C. (1991). Inside the Search Process: Information Seeking from the User’s Perspective. *Journal of the American Society for Information Science* *42*(5): 361-371.

# Ryan Shaw

My area:

Patrick Wilson, *Two Kinds of Power* (1968)

William Kent, *Data and Reality* (1978)

Geoffrey C. Bowker and Susan Leigh Star, *Sorting Things Out* (1999)

LIS in general:

M. E. Maron and J. L. Kuhns, “On relevance, probabilistic indexing and information retrieval” (1960)

Lucy Suchman, *Plans and Situated Actions* (1987)

Marcia Bates, “The design of browsing and berrypicking techniques for the online search interface”

(1989)

# Brian Sturm

My area (narrative and immersion):

Nell, V. (1988). *Lost in a book: The psychology of reading for pleasure*. New Haven: Yale Univ. Press.

Rosenblatt, L. (1978). *The reader, the text, the poem: The transactional theory of the literary work.* Carbondale: Southern Illinois University Press.

Stallings, F. (1988). The web of silence: storytelling’s power to hypnotize. *The National Storytelling Journal,* (Spring/Summer), 6-19.

LIS in general:

Bates, M. (1989). The design of browsing and berrypicking techniques for the online search interface.

<https://pages.gseis.ucla.edu/faculty/bates/berrypicking.html>

Glaser, B., & Strauss, A. (1967). *The discovery of grounded theory strategies for qualitative research.* AldineTransaction.

Shera, J. H. (1949). *Foundations of the public library: The origins of the public library movement in New England, 1629–1855.* Chicago, IL: University of ChicagoPress.

# Helen Tibbo

My area:

Hedstrom, Margaret. "Digital Preservation: A Time Bomb for Digital Libraries." *Computers and the Humanities* 31, no. 3 (1998): 189-202.<https://www.jstor.org/stable/30200423>

O'Toole, James. "On the Idea of Permanence." *American Archivist* 52, no. 1 (Winter 1989): 10-25. [http://www.jstor.org/stable/40293309.](http://www.jstor.org/stable/40293309)

Task Force on Archiving of Digital Information. Preserving Digital Information: Report of the Task Force on Archiving of Digital Information. Commission on Preservation and Access and Research Libraries Group (Washington, DC: May 1 1996). https://www.clir.org/pubs/reports/pub63/

# Yue (Ray) Wang

My area:

Vannevar Bush. *As We May Think*, The Atlantic Monthly, 1945.

Alan Turing. *Computing Machinery and Intelligence*, LIX (236): 433–460, 1950.

Alon Halevy, Peter Norvig, Fernando Pereira. *The Unreasonable Effectiveness of Data*, IEEE Intelligent Systems, Volume 24 Issue 2, 8-12, 2009.

# Fei Yu

My area:

Nielsen, J., & Molich, R. (1990). Heuristic evaluation of user interfaces. SIGCHI Conference Proceedings on Human Factors in Computing Systems (pp. 249-256). Seattle: Association for Computing Machinery. Doi: 10.1145/97243.97281

Mayhew, D. (1999). The Usability Engineering Lifecycle: A Practitioner's Handbook for User Interface Design. San Francisco, CA: Morgan Kaufmann Publishers Inc.

Preece, J., Sharp, H., & Rogers, Y. (2015). Interaction design: Beyond human-computer interaction. Chichester: John Wiley.

LIS in general:

Cooper, I.D., & Crum, J. A. (2013). New activities and changing roles of health sciences librarians: a systematic review, 1990-2012. Journal of the Medical Library Association, 101(4), 268-277. Doi:

10.3163/1536-5050.101.4.008