

RONG TANG

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| Project Websites RDMLA — <https://rdmla.github.io/>

HIGHLIGHTS

- Founding Director of Simmons University Usability Lab (founded in 2008); Co-Director of the UX and Emergent Technology Lab
- Director/Co-Director of the Simmons University Ph.D. Program in Library and Information Science since 2014
- Program Director and Principal Investigator of IMLS funded “Interprofessional Informationist” (IPI) Post Master’s Certificate Program
- Project Co-Director of the “Research Data Management Librarian Academy” (RDMLA): 6,648 active learners from more than 159 countries as of May 27, 2022
- Presently conducting timely research studies examining the social support and information source horizon during the pandemic, the state of practice of COVID-19 tracking systems, and the characteristics of COVID-19 datasets on open government data (OGD) portals worldwide
- Accomplished researcher in paradigm shifts in the field of information, research data management in libraries, information behavior, usability and user experience (UX), mobile news consumption, open government data, scholarly communication, data science curriculum, needs assessment, search process and relevance judgment.
 - Number of citations per Google Scholar as of May 27, 2022: 1,451; h-index: 18
 - Co-authored one of the top cited articles of *JASIS&T* 2020-2021
- Engaging and inspiring professor with teaching areas in usability and UX research, theories of information science, research methods, evaluation of information services, and digital information services and providers. Extensive experience teaching both in-person and online courses
- Strong advocate for the field of Library and Information Science and for anti-racism, diversity, equality, and inclusion

ACCOMPLISHMENTS

- Served multiple leadership roles in national associations such as ALISE and ASIS&T
- Authored numerous articles published in leading LIS journals, such as *Journal of Information Science*, *Information Research*, *Journal of the Association for Information Science & Technology*, *Library & Information Science Research*, *Journal of Documentation*, *Library Quarterly*, *Information Processing & Management*, *Data and Information Management*, *Education for Information*, *Journal of Web Librarianship*, *Journal of Education for Library and Information Science*
- Authored numerous papers published in proceedings of LIS conferences, including the proceedings of the ASIS&T Annual Meetings, iConferences, and ALISE Annual Conferences
- Established usability/UX labs at Simmons University, National Taiwan University, Jiangshu University, and Harvard University

EMPLOYMENT

Simmons University, Boston, MA, College of Organizational, Computational, and Information Sciences,
School of Library and Information Science

Full Professor, 2021 – present

Associate Professor, 2009-2021

Assistant Professor, 2006-2009

Catholic University of America, Washington, DC, School of Library and Information Science

Assistant Professor, 2003-2006

State University of New York at Albany, NY, School of Information Science and Policy

Assistant Professor, 2000-2003

EDUCATION

Ph.D., Information Science, 1999. University of North Carolina, Chapel Hill, NC

MLS, Information Studies, 1995. Wayne State University, Detroit, MI

MA, Modern Chinese Literature, 1992. Ohio State University, Columbus, OH

MA, Classic Chinese Literature, 1989. Renmin University of China, Beijing, PRC

BA, Chinese Languages and Literature, 1986. Renmin University of China, Beijing, PRC

PUBLICATIONS

A. Refereed journal articles and conference papers

Submitted or Forthcoming

Al Mahmoud, S., & Tang, R. (Submitted). Obstacles in Public Health Professionals' Information Practice: An Empirical Investigation into the Impact of Demographic Attributes and Work Settings. Manuscript resubmitted to *Information Research*.

Tang, R., Hu, Z., Henry, N., Martin, E. (Forthcoming). In Pursuit of a Competency Framework for InterProfessional Informationists (IPI): A Job Analysis and Interview study of Practicing Informationists. Manuscript completed and will be submitted to *Library Quarterly*.

2015-2022

Tang, R. & Oh, K. (2022). The Impact of Types of News on Mobile News Consumption Behavior: A Mixed-Method Research. Libri. <https://doi.org/10.1515/libri-2021-0071>

Alshaheen, R. & Tang, R. (2022). User Experience and Information Architecture of Selected National Library Websites: A Comparative Content Inventory, Heuristic Evaluation, and Usability Investigation, *Journal of Web Librarianship*, DOI: 10.1080/19322909.2022.2027318

- Shahvar, S., & Tang, R. (2021). Toward a Conceptual Model of Online Collaborative Learning: A Multi-Phased Investigation into Experiences and Perceptions of Online MLIS Students. *Journal of Education for Library & Information Science*. Advanced access:
<https://www.utpjournals.press/doi/abs/10.3138/jelis-2021-0039>
- Tang, R., Mehra, B., Du, J. T., & Zhao, Y. (2021). Paradigm shift in the field of information special issue editorial. *Journal of the Association for Information Science & Technology*, 72(10), 1217–1222.
<https://doi-org.ezproxy.simmons.edu/10.1002/asi.24566>
- Tang, R., Hu, Z., Henry, N., & Thomas, A. (2021). A Usability Evaluation of Research Data Management Librarian Academy (RDMLA): Examining the Impact of Learner Differences in Pedagogical Usability. *Journal of Web Librarianship*. Published online: 16 Jun 2021,
<https://doi.org/10.1080/19322909.2021.1937442>
- Tang, R., & Jiang, J. (2021). Characteristics of Open Government Data (OGD) around the World: A comparative country-based meta-Analysis. *Data and Information Management*, 5(1): 11–26.
- Tang, R., Mehra, B., Du, T. J., & Zhao, Y. (2021). Framing a Discussion on Paradigm Shift(s) in the Field of Information. *Journal of Association for Information Science and Technology*. 72(2), 253-258.
- Tang, R., & Hu, Z. (2019). Providing Research Data Management (RDM) Services in Libraries: Preparedness, Roles, Challenges, and Training for RDM Practice. *Data and Information Management*. 3(2), 84-101.
<https://doi.org/10.2478/dim-2019-0009>
- Shipman, J., & Tang, R. (2019). The collaborative creation of a Research Data Management Librarian Academy (RDMLA). *Information Services & Use*, 39(1). 1-5. DOI: 10.3233/ISU-190050
<https://content.iospress.com/articles/information-services-and-use/isu190050>
- Tang, R., & Oh, K. (2019). University students' mobile news consumption activities and evaluative/affective reactions to political news during election campaigns: A diary study. *Journal of Information Science*. 1-20. <https://doi.org/10.1177/0165551519845855>
- Tang, R., Mehra, B., Du, T. J., & Zhao, Y. (2019). Paradigm Shift: An Exploratory Survey on Perceptions of the Future of Information Research. Full paper presented at The RAILS (Research Applications in Information and Library Studies) 2019 conference.
- Tang, R., Gregg, W., Hirsh, S., & Hall, E. (2019). U.S. state and state capital Open Government Data (OGD): A content examination and heuristic evaluation of data processing capabilities of OGD sites. *Proceedings of ASIS&T 2019 Annual Meeting*, 255-264.
<https://asistdl.onlinelibrary.wiley.com/doi/abs/10.1002/pr2.20>
- Tang, R., & Hu, Z. (2019). Needs assessment of library data services: Establishing a curriculum framework for Research Data Management Librarian Academy (RDMLA). *Proceedings of ALISE 2019 Annual Conference*, 157-163.
https://www.ideals.illinois.edu/bitstream/handle/2142/105338/paper_108.pdf?sequence=1
- Lu, W., & Tang, R. (2019). Framework for mobile-based learning (m-learning): An exploratory study on the use of mobile devices for university students' academic learning. *Proceedings of ALISE 2019 Annual Conference*, 119-124.
https://www.ideals.illinois.edu/bitstream/handle/2142/105328/paper_79.pdf?sequence=1
- Oh, K. & Tang, R. (2019). Mobile news processing: University students' reactions to inclusion/exclusion-related news. *Proceedings of iConference 2019*, LNCS 11420, 302–311.
- Tang, R., & Song, Y. (2018). Cognitive Styles and Eye Movement Patterns: An Empirical Investigation into Users' Interactions with Interface Elements and Visualization Objects of a Scientific Information System. *Information Research*. 23(2). <http://www.informationr.net/ir/23-2/paper790.html>
- Oh, K., & Tang, R. (2018). How do university students receive, read, find, share, and store news? A survey research study on mobile news behavior. *Journal of Library & Information Studies*, 16(1), 1-21.
<https://jlis.lis.ntu.edu.tw/files/journal/j46-1.pdf>

- Tang, R. (2018). Information Behavior Research in Need of Paradigm Shift. Short paper presented at the 2018 ASIS&T SIG-USE Symposium.
- Tang, R., Lu, W., Gregg, W., Gentry, S., & Humeston, S. (2018). Towards a More Inclusive Technical Website: Knowledge Gaps, Performance, Experience, and Perception Differences Among Various User Groups. *Proceedings of 2018 ASIST Annual Meeting*, 494-503. <https://doi.org/10.1002/pr2.2018.14505501054>
- Thrift, J., & Tang, R. (2018). Teaching User Experience (UX) in LIS Programs and iSchools in North America: Challenges and Innovations. *Juried paper Proceedings of ALISE 2018 Annual Conference*, 169-174.
- Tang, R., & Adkins, D. (2017). Diversity in LIS education resources. *Journal of Education for Library and Information Science*, 58(4), 241-244.
- Tang, R., & Ni, C. (2017). The Topical Interconnections within the Realm of Information Behavior Research. Short paper. *Proceedings of ASIST 2017 Annual Meeting*. doi: <https://doi.org/10.1002/pr2.2017.14505401060>
- Tang, R., & Oh, K. E. (2017). Mobile news information behavior of undergraduate and graduate students in the U.S.: An exploratory study. *Proceedings of iConference 2017*. <http://hdl.handle.net/2142/96773>
DOI: <https://doi.org/10.9776/17201>
- Tang, R. (2016). Cognitive styles, demographic attributes, task performance, and affective experiences: An empirical investigation into Astrophysics Data System (ADS) core users. *Journal of Library and Information Studies*, 14(1), 1-23. doi:10.6182/jlis.2016.14(1).001.
<https://jlis.lis.ntu.edu.tw/files/journal/j42-1.pdf>
- Tang, R., & Sae-Lim, W. (2016). Data science programs in the US higher education: An exploratory content analysis of program description, curriculum structure, and course focus. *Education for Information*, 33(1), 269-290. DOI: 10.3233/EFI-160977
- Tang, R., Mon, L., Beheshti, J., Li, Y., Pollock, D., Ni, C., Chu, S., Xiao, L., Caffrey, J., & Gentry, S. (2016). Needs assessment of ASIS&T publications: Bridging information research and practice. *Proceedings of the 2016 Association for Information Science and Technology Annual Meeting*. doi:10.1002/pr2.2016.14505301054

2005-2014

- Tang, R., & Quigley, E. (2014). Dyadic diversity attributes on interactive tabletop collaboration, performance, and perception. *Proceedings of iConference 2014*. <http://hdl.handle.net/2142/47324>
- Tang, R., Quigley, E., Guillette, J., & Erdmann, C. (2013). Shared discovery using a library tool on an interactive tabletop: Team composition, collaboration style and process. *Proceedings of the 2014 American Society for Information Science & Technology Annual Meeting*. doi:10.1002/meet.14505001054
- Tang, R., Michael, C., Harris, M., & Podlaski, J. (2012). Needs assessment of biomedical research intranets: An empirical investigation into the research communities at Brigham and Women's and Massachusetts General Hospitals. *Proceedings of the 3rd International Conference on Internet Technology and Applications*, pp. 301-306.
- Safer, M. A., & Tang, R. (2009). The psychology of referencing in psychology journal articles. *Perspectives on Psychological Science*, 4(1), 51-53.
- Tang, R., & Thelwall, M. (2008). A hyperlink analysis of US public and academic libraries' web sites. *Library Quarterly*, 78(4), 419-435. DOI: 10.1086/591179
- Tang, R. (2008). Citation characteristics and intellectual acceptance of scholarly monographs. *College & Research Libraries*, 69(4), 356-369. <https://doi.org/10.5860/crl.69.4.356>
- Tang, R., & Safer, M.A. (2008). Author-rated importance of cited references in biology and psychology publications. *Journal of Documentation*, 64(2), 246-272. DOI: 10.1108/00220410810858047

- Tang, R., Hsieh-Yee, I., & Zhang, S. (2007). User perceptions of MetaLib combined search: An investigation of how users make sense of federated searching. *Internet Reference Service Quarterly*, 12(1), 211-236. DOI:10.1300/J136v12n01_11
- Calarco, P., Scofield, J. Tang, R., & Little, J. (2007). User transaction log parsing and analysis in MetaLib QuickSearch 3.13. *Ex Libris Users of North America (ELUNA) 2007 Meeting, June 5-8, 2007, Spearfish, SD*. <http://documents.el-una.org/390/>
- Ng, K. B., Kantor, P., Strzalkowski, T., Wacholder, N., Tang, R., Bai, B., Rittman, R., Song, P., & Sun, Y. (2006). Automated judgment of document qualities. *Journal of the American Society for Information Science and Technology*, 57(9), 1155-1164.
- Hsieh-Yee, I., Tang, R., & Zhang, S. (2006). User perceptions of a federated search system. *Proceedings of the 6th ACM/IEEE-CS Joint Conference on Digital Libraries*.

1998-2004

- Tang, R. (2004). Evolution of the interdisciplinary characteristics of information and library science. *Proceedings of the 2004 Annual Meeting of the American Society for Information Science and Technology*. doi: 10.1002/meet.1450410107/
- Tang, R., & Thelwall, M. (2004). Patterns of national and international Web inlinks to US academic departments: An analysis of disciplinary variations. *Scientometrics*, 60(3), 475-485. DOI: 10.1023/B:SCIE.0000034388.70594.cc
- Tang, R. (2004). Visualizing interdisciplinary citations to and from information and library science publications. *Proceedings of the 8th International Conference on Information Visualization*, 972-977.
- Tang, R., & Thelwall, M. (2003). U.S. academic departmental website interlinking in the United States: Disciplinary differences. *Library & Information Science Research*, 25, 437-458.
- Thelwall, M., & Tang, R. (2003). Disciplinary and linguistic considerations for academic web linking: An exploratory hyperlink mediated study with Mainland China and Taiwan. *Scientometrics*, 58(1), 155-181.
- Thelwall, M., Tang, R., & Price, E. (2003). Linguistic patterns of academic web use in Western Europe. *Scientometrics*, 56(3), 417-432.
- Tang, R., Ng, K. B., Strzalkowski, T., & Kantor, P. B. (2003). Toward machine understanding of information quality. *Proceedings of 2003 Annual Meeting of American Society for Information Science and Technology*, 40, 213-220.
- Ng, K.B., Tang, R., Small, S., Song, P., Strzalkowski, T., Kantor, P. B., Rittman, R., Sun, Y., & Wacholder, N. (2003). Identification of effective predictive variables for document qualities. *Proceedings of 2003 Annual Meeting of American Society for Information Science and Technology*, 40, 221-229.
- Tang, R., & Thelwall, M. (2002). Exploring the pattern of links between Chinese university web sites. *Proceedings of the 2002 Annual Meeting of the American Society for Information Science and Technology*, 39, 417-424.
- Tang, R. (2002). An integrated framework for web searching research: Learning, problem solving, and search tasks. *Proceedings of the Fourth International Conference on Conceptions of Library and Information Science (CoLIS4)*, 49-67.
- Tang, R., & Solomon, P. (2001). Use of relevance criteria across stages of document evaluation: On the complementarity of experimental and naturalistic studies. *Journal of American Society for Information Science and Technology*, 52(8), 676-685.
- Tang, R. (2001). Developing multilingual academic websites: A study of Chinese university web design for the Chinese and the English Versions. *Proceedings of the 2001 Annual Meeting of the American Society for Information Science and Technology*, 458-471.

- Tang, R. (2001). University web site design in Mainland China and Taiwan: A comparative study on the Chinese version and the English version. *Proceedings of National Conference on Asian Pacific American Librarians (NCAPAL), June 13-15*. San Francisco, CA: Asian/Pacific American Librarians Association and the Chinese American Librarians Association.
- Ho, J., & Tang, R. (2001). Towards an optimal resolution to information overload: An infomediary approach. *Proceedings of the ACM 2001 International Conference on Supporting Group Work*, 91-96.
- Tang, R., Vevea, J. L., & Shaw, W. M., Jr. (1999). Towards the identification of the optimal number of relevance categories. *Journal of the American Society for Information Science*, 50(3), 254-264.
- Tang, R., & Solomon, P. (1998). Towards an understanding of the dynamics of relevance judgment: An analysis of one person's search behavior. *Information Processing and Management*, 34(2/3), 237-256.

B. Monographs

- Bajjal, S., Densmore, M., Dotson, K., Drulia, M., R., Jeong, W., O'Connor, L., Schaap, B., Swaine, L., & Tang, R. (2020). *2020 Statistical Report: Trends and Key Indicators in Library and Information science Education*. ALISE.
- Tang, R. (1999). *Use of relevance criteria across stages of document evaluation: A micro level and macro level analysis*. Doctoral dissertation, University of North Carolina at Chapel Hill.

C. Non-refereed journal publications

- Tang, R., & Sae-Lim, W. (2017). Data science programs in the US higher education: An interview with the authors (Video Article). *Journal of eScience Librarianship*, 6(1). doi: 10.7191/jeslib.2017.1105.
- Tang, R., & Safer, M. A. (2016, February 7). Citing in science. *Atlas of Science*. Retrieved from <http://atlasofscience.org/citing-in-science/>
- Xiao, L., Kim, K.S., Tang, R., et al. (2015). SIG/USE Research Symposium Context in Information Behavior Research [report]. *Bulletin of the Association for Information Science and Technology*, 41(3), 22-26.
- Agosto, D. E., Mon, L., & Tang, R. (2014). Information behavior on the move: 2013 ASIS&T SIG/USE Research Symposium. *Bulletin of the Association for Information Science and Technology*, 40(3), 27-32.

D. Research report

- Tang, R. (2011). *User based question answering: An exploratory study of community generated information exchange in Yahoo!Answers*. [Project report, OCLC Research.] <http://www.oclc.org/content/dam/research/grants/reports/2008/tang2008.pdf>

E. Book chapters

- Tang, R. (2021). Usability and User Experience Research. In L. S. Connaway & M. L. Radford. (Eds). *Research Methods in Library and Information Science* (7th ed.), p. 393. Santa Barbara, CA: ABC-CLIO.
- Tang, R. (2016). Usability research. In L. S. Connaway & M. L. Radford. (Eds). *Research Methods in Library and Information Science* (6th ed.; pp. 277-278). Santa Barbara, CA: ABC-CLIO.
- Tang, R., Hsieh-Yee, I., & Zhang, S. (2007). User perceptions of MetaLib Combined Search: An investigation of how users make sense of federated searching. In C. N. Cox (Ed.), *Federated search: Solution or setback for online library services* (pp. 211-236). Binghamton, NY: Haworth.

F. Book reviews

- Tang, R. (2012). Information users and usability in the digital age [book review]. *Library & Information Science Research*, 34, 324.
- Tang, R. (2004). Applied informatics for information retrieval research [book review]. *portal: Libraries and the Academy*, 4(3), 431-432.

G. Refereed conference panel or poster sessions or non-refereed conference presentations and sessions

2015-2022

- Tang, R., Kriesberg, A., Pollock, D., & Boyd, C. (April 22, 2022). Data and Society - Reframing Library and Information Science Program Data Science Educational Framework. Panel Presentation at the RDMLA 2022 Symposium.
- Hu, Z., Zhang, Y., & Tang, R. (April 22, 2022). Patterns of Community-based Data in the U.S. State-level COVID-19 Dashboards: Groupings, Discrepancies, and Gaps. Poster presentation at the RDMLA 2022 Symposium.
- Tang, R. (April 12, 2022). Conducting Impactful Research. Presentation to the community at the Investiture for President Wooten.
- Tang, R., & Hu, Z. (Feb. 2, 2022). Collaborative Approach to Translating Online Learning Content: Successful Launch of the Research Data Management Librarian Academy (RDMLA) Chinese Version 研究資料管理圖書館員課程中文版. Presentation given to CALA Canada conference.
- Tang, R., Goodman, X., Davis, R., Du, J. T., & Leonard, D. (2021). Antiracism in the LIS Profession: Not Just Lip Service. Panel session presented at the ASIS&T 2021 Annual Meeting.
- Tang, R., Boyd, C., Creamer, A., Kriesberg, A., Martin, E., & Morin, R. (2021). Collaborative Efforts and Success Story of an Open-Learning Program: Partnership Growth of the Research Data Management Librarian Academy (RDMLA). Panel session presented at the ASIS&T 2021 Annual Meeting.
- Martin, E., Tang, R., Thomas, A., & Hu, Z. (May 6, 2021). Establishing a Global Community of Practice in Research Data Management. NEASIST Webinar.
- Martin, E., Tang, R., Tang, M-C., & Erdelez, S. (March 25, 2021). Research Data Management Librarian Academy (RDMLA): New Units, Translation Efforts, and iSchool Teaching Applications. Special Presentation to iConference 2021.
- Tang, R. (March 31, 2021). #FlashSci Talk Interview. Published by Elsevier: Prof Rong Tang, Simmons University on the role of Schools of Information Management post-COVID. bit.ly/3rAFrem
- Martin, E., & Tang, R. (2020). RDMLA: Current Status, New Units, and the Translation Partnership. Presentation given at Medical Library Association Annual Conference. August, 10, 2020.
- Tang, R., Erdelez, S., Zhang, Y., & May, E. (2020). The state of practice of COVID-19 tracking systems: An inventory study. Poster proposal accepted to be presented at ASIS&T 2020 Annual Meeting.
- Hu, Z., & Tang, R. (2020). Effectiveness of Shared Mental Models on the Success of Multi-institutional Collaboration to Deliver Online Learning Programs. Work-in-Progress poster proposal accepted to Association for Library and Information Science Education 2020 annual conference.
- Tang, R., & Martin, E. (2020). RDMLA - Five Months Post Launch. DataOne Webinar: Feb 11, 2020. <https://www.dataone.org/webinars/rdmla-five-months-post-launch>
- Martin, E., Tang, R., & Shipman, J. (2019). The RDMLA Panel. The 2019 Research Data Management Conference. New York: Rockefeller University. December 5, 2019.

- <https://www.rockefeller.edu/markus-library/uploads/www.rockefeller.edu/sites/207/2019/12/2019-RDM-Conference-Agenda-1.pdf>
- Tang, R. (2019). Research Data Management Librarian Academy (RDMLA). Effective Research Data Management Elsevier Webinar. November 21, 2019.
<https://www.brighttalk.com/webcast/13819/373556/effective-research-data-management>
- Tang, R., Mehra, B., Du, J. T., & Zhao, Y. (2019). Paradigm shift in information research. Panel session in ASIS&T 2019 Annual Meeting. *Proceedings of ASIS&T 2019 Annual Meeting*, 582-585.
- Tang, R., Hirsh, S., Lin, X., Marek, K., & Rosenbaum, H. (2019). Leadership during organizational restructuring of LIS programs. *Proceedings of ALISE 2019 Annual Conference*, 204.
https://www.ideals.illinois.edu/bitstream/handle/2142/105301/paper_109.pdf?sequence=1
- Tang, R., Hu, Z., & Pollock, D. (2019). Developing, Launching, and Applying the RDMLA (Research Data Management Librarian Academy): Building a Global RDM Learning Community. October 20, 2019. Melbourne, Australia.
- Tang, R. (2019). Usability Assessment and UX Research in Academic Settings for Applied Purposes. Presentation to Lane Medical Library & Knowledge Management Center, Stanford University. Palo Alto, CA. July 25, 2019.
- Hirsh, S., Tang, R., Gregg, W., & Hall, E. (2019). The Presence of Library-Related Datasets on State & State Capital Open Government Data (OGD) Sites. Presentation to Library 2.019 Open Data Mini-Conference. June 5, 2019. Video recording available at:
<https://sas.illuminate.com/drtbl?sid=2008350&suid=D.1AAC8F91AF9A6CD4CC2059F45E0B98>
- Martin, E., Tang, R., & Erdelez, S. (2019). Research Data Management Librarian Academy (RDMLA). Presentation to iConference participants. April 1, 2019.
- Tang, R. (2019). Bridging Academic and Applied UX Research. Presentation to The Bay Area Librarian UX Group. Redwood City Public Library. Redwood City, CA. February 8, 2019.
- Bajjal, S., Tang, R., Julien, H., & Wolfram, D. (2018). ALISE@ASIS&T: Building an LIS Research-Teaching Nexus. Refereed panel session accepted to appear at ASIST 2018 Annual Meeting.
- Bajjal, S., & Tang R. (2018). Connecting Teaching and Research. Special Program Session at ALISE 2018 Annual Conference, February 7, 2018, Denver, CO.
- Organizer and panelist. Tang, R., Connaway, L. S., Dickery, T. J., Hartel, J., Rebmann, K., & Yontz, E. (2018). Teaching Research Methods in LIS Programs: Approaches, Formats, and Innovative Strategies. Refereed panel session at ALISE 2018 Annual Conference. *2018 ALISE Proceedings*, 231-233.
- Keynote Speaker, National Conference on Higher Education Libraries Statistics and Evaluations. *Assessment of Higher Education Library Services: Trends, Standards, Methods, and Innovation*. Hefei, Anhui: China. June 16, 2017.
- Invited Speaker, *Information Behavior Research: Past, Present, and Future*. Presentation to Jiangsu University, Nanjing University, and Nanjing Agricultural University. June 6- 8, 2017.
- Invited Speaker, *User Behavior Research: Facets and Measurements*. Presentation to Wuhan University, School of Information Management. May 31, 2017.
- Co-organizer, ALISE Annual Conference, International Librarianship SIG Session, *Making International Connections: Expanding Awareness of Non-North American LIS Education*. January 19, 2017.
- Speaker, Breakout Session, New England Chapter of ASIS&T, *Service Design: The Holistic Experience*, January 12, 2017.
- Panelist, 8th Annual University of Massachusetts and New England Area Librarian e-Science Symposium, *Library Educator Panel*, April 6, 2016.

2010-2014

- Speaker [with D. Costello], Charleston Conference, EBSCO Lively Lunch. *Creating a Google-Like Experience with Real Discovery Results*, November 6, 2014.
- Shahvar, S. S., & Tang, R. (2014). Collaborative information seeking (CIS) behavior of LIS students and undergraduate students: An exploratory case study. Poster. *Proceedings of the 2014 American Society for Information Science & Technology Annual Meeting*. doi: 10.1002/meet.2014.14505101106
- Invited speaker, East China Normal University, Jiangsu University, Nanjing University, and Nankai University [lectures], *User Behavior Research: Facets and Measurements*, May-June 2014.
- Panelist, MIT Libraries, *Usability Research and Libraries*, March 18, 2014.
- Panel co-organizer and panelist, ASIS&T Annual Meeting, *User Experience (UX) Labs: Fostering Innovative Academic Research*, 2013.
- Invited Speaker, User Behavior Research. Presentation to National Taiwan University, Department of Library and Information Science, NTU Library, Department of Computer Science. August -November, 2013.
- Presenter, ASIS&T Annual Meeting, SIG USE Research Symposium, *Towards a Multi-Phased and Multi-Methods Usability Assessment of Microsoft Surface Table (SUR40) in Libraries*, 2012.
- Poster, Simmons College, Faculty Research Showcase for Board of Trustees, *Scientific Learning Through Interactive Tabletops: A Mixed Method Usability Assessment of Harvard Undergraduate Students' Use of Microsoft Surface Table*. May 16, 2012.
- Keynote speaker, Annual Conference of Massachusetts Commonwealth Consortium of Libraries in Public Higher Education Institutions, *From Surviving to Thriving: The Value & Fundamentals of Academic Library Assessments*, June 2012.
- Panel organizer and panelist, ALISE Annual Conference, *Online Database Searching: What Do We Teach Now and How Timely and Relevant is it?* January 18, 2012.
- Tang, R., Cervone, M., & Ulrich, T. (2011). Informing design and assessment: A usability case study of the Harvard Catalyst Website for researchers. Poster. *Proceedings of the 2011 Annual Meeting of the American Society for Information Science and Technology*. doi: 10.1002/meet.2011.14504801258
- Pardi, L., & Tang, R. (2011). You can fly, but can you teleport? Usability assessment of new user orientation to Second Life. Poster. *Proceedings of the 2011 Annual Meeting of the American Society for Information Science and Technology*. doi: 10.1002/meet.2011.14504801367
- Presenter, BostonCHI (Association for Computing Machinery Boston Chapter of SIG CHI), *Usability Studies and Harvard Catalyst Website Redesign*. May 12, 2010.

2000-2009

- Presenter, NERCOMP (NorthEast Regional Computing Program) Conference, *Usability Lab as a Collaborative Platform for Applied Research, Experiential Learning, and Community Services*, November 9, 2009.
- Tang, R., & Hillson, S. B. (2009). How do academics use electronic resources for research? A comparative analysis of user trends. *Proceedings of American Psychological Association Convention 2009*. August 8, 2009.
- Co-presenter, Harvard Medical School, First and Second Annual CBMI Spring Symposia, *Harvard Catalyst Website User/Usability Studies*, May 6, 2009; May 5, 2010.
- Invited speaker, Harvard Countway Library, *Usability Engineering and User Studies: Principles, Methods and Research Examples*, November 21, 2008.

- Presenter, ALISE Annual Meeting, *Author-Rated Importance of Cited References in Biology and Psychology Publications*, January 9, 2008.
- Presenter, ALISE Annual Conference, Work-in-Progress Poster Session, *Assessing Citation Values of Scholarly Publications in Biology and Psychology*, January 16, 2006.
- Panel organizer and presenter, ASIS&T Annual Meeting, *Federated Searching: User Perceptions, System Design, and Library Instruction*. 2006.
- Invited speaker, Peking University, Department of Information Management, *Usability Testing and User Studies*, December 20, 2002.
- Moderator, ASIS&T Annual Meeting, *Virtual Reference Services: Exploring the Open Source Options*, November 20, 2002.
- Panel organizer and presenter, ASIS&T Annual Information Architecture Summit, *Education and Information Architecture*, March 17, 2002.
- Poster [with E. Springer]. International Conference on Library and Information Science (CoLIS), Query Structure on a Web Meta-Search Engine: A Communication Perspective. *Proceedings*, 2002, 323-326.
- Presenter, Virginia Commonwealth University Libraries, *Integrated Library Systems in Contemporary Research Libraries*, November 9, 2001.
- Presenter, National Conference on Asian Pacific American Librarians (NCAPAL), *University Web Site Design in Mainland China and Taiwan: A Comparative Study on the Chinese Version and the English Version*, June 14, 2001.
- Panel organizer and presenter, New York Conference on Asian Studies, *Chinese Web Discourse*, October 20, 2000.
- Presenter, Central Intelligence Agency, Office of Advanced Analytic Tools, *HITIQA: High-Quality Task-Oriented Interactive Question-Answering*, July 25, 2000.

HONORS, GRANTS, AND AWARDS

A. Honors

2021 University Award for Excellence in Research. Simmons University. September 2021.

2021 May Author of the Month. JesLIB Journal of eScience Librarianship.

<https://twitter.com/JesLIBJournal/status/1395416552174985219>

2020 Distinguished Alumna. Wayne State University, School of Information Science.

<https://sis.wayne.edu/news/sis-annual-awards-and-graduation-night-celebration-41018>

2017 Shining Star. Wayne State University, School of Information Sciences.

<http://sis.wayne.edu/news.php?id=27507>

B. Grants and awards

COCIS Innovation Fund. Social Support and Zones of Information during COVID-19. Spring 2021.

NEASIS&T 2020 Conference Support Award. Support to attend ASIS&T 2020 Annual Meeting.

<https://www.asist.org/2020/07/10/conference-support-award-winners/>

Principal Investigator and Project Director. *Retooling the Librarian Workforce: Innovative Post-Master's Certificate Program for Developing Inter-Professional Informationalists (IPI)*. Funded by IMLS, September 2019 – August 2021. \$418,951.

- Project Leadership Team, *Research Data Management Librarian Academy (RDMLA)*. Funded by Elsevier in October, 2018, March 2019 and March 2020. Total funding installments: \$450,000.
- NEH Digital Humanities Research and Development Grant. PBCore Development and Training Project. Subcontractor, 2017, \$15,000.
- Mara Dole Innovation Fund and Emily Hollowell Research Fund. School of Library and Information Science, Simmons College. News Information Behavior on Mobile Devices. Co-PI: Kyong Eun Oh, 2016, \$10,000.
- Emily Hollowell Research Fund, Graduate School of Library and Information Science, Simmons College. MOOCs in Asia: An Exploratory Research Study Using Phenomenological Method and Situational Analysis, 2014, \$2,000.
- National Science Council, Taiwan. Visiting professorship at National Taiwan University, 2013-2014, TWD 580,000 (approximately \$20,000).
- H. W. Wilson Foundation Fund. Grants for Simmons Usability Lab, 2012-2014, \$30,000.
- Emily Hollowell Research Fund, Graduate School of Library and Information Science, Simmons College. To Drag or To Splay: Naturalistic Usability Observation of Undergraduate Students' Use of Library Explorer on Microsoft Surface Table, 2012, \$2,500.
- Faculty Fund for Research, Simmons College. *Scientific Learning Through Interactive Tabletops: A Mixed Method Usability Assessment of Harvard Undergraduate Students' Use of Microsoft Surface Table*, 2012, \$2,000.
- Faculty Development Fund, Simmons College. Conference travel support, 2006, 2008, 2009, 2012, 2014, 2016, 2017, 2018.
- Harvard University, Center for Biomedical Informatics. *Harvard Clinical and Translational Science Community Usability and User Needs Assessment: Phase II Study*. Contractual award, 2010, \$16,000.
- Faculty Fund for Research, Simmons College and Harvard University, Center for Biomedical Informatics. *Usability Evaluation of Harvard Catalyst Website*, 2009. \$2,500.
- Simmons Sloan Fellow, Alfred P. Sloan Fellows Program for Faculty Career Flexibility, 2008.
- Pottruck Technology Faculty Fellowship, Simmons College. *Usability Lab for Experiential Learning*. Co-PI: Terry Plum, 2008, \$15,000.
- Bohdan S. Wynar/ALISE Research Paper Competition Award. *Author-Rated Importance of Cited References in Biology and Psychology Publications* [with Martin A. Safer], 2008.
- President's Fund for Faculty Excellence, Simmons College. *User Based Question Answering: An Exploratory Study of Community Generated Information Exchange in Yahoo!Answers*. Co-PI: Sheila Denn, 2008, \$15,000.
- OCLC/ALISE Library & Information Science Research Grant Program. *User Based Question Answering: An Exploratory Study of Community Generated Information Exchange in Yahoo!Answers*. Co-PI: Sheila Denn, 2008, \$15,000.
- Emily Hollowell Research Fund, Graduate School of Library and Information Science, Simmons College. *User's Perceptions of Image Content and Characteristics: A Study of Image Tagging and Sorting*. Co-PI: Daniel Joudrey, 2007, \$3,400.
- American Psychological Association, PsycINFO Research Grant, 2007, \$10,000.
- Faculty Fund for Research, Simmons College. *User Search Behaviors of Federated Searching Systems*. Co-PI: Pascal V. Calarco, 2007, \$2,000.
- Catholic University of America, Faculty Research Grant-in-Aid. *User Perceptions of a Federated Searching System*. Co-PIs: Ingrid Hsieh-Yee, Shanyun Zhang, 2005-2006. \$3,000.
- Catholic University of America, Faculty Research Grant-in-Aid. *Assessing Citation Value of Scholarly Publications: An Analysis of Citer Motivations and Social Relations*, 2004-2005, \$5,500.
- Catholic University of America, Faculty Research Grant-in-Aid. *Mapping Interdisciplinary Scholarship Using Citation Networks*, 2003-2004. \$2,000.

American Society for Information Science and Technology/Institute for Scientific Information. ASIS&T/ISI Citation Analysis Research Grant. Recipient of international competition award. \$3,000.

US Department of Defense, Defense Advanced Research and Development Agency. Project leader. *Advanced Question & Answering for Intelligence (AQUINT) R & D Program (Phase I)*, 2001-2003, \$1.6 million.

State University of New York at Albany, School of Information Science and Policy, Faculty Research Award Program. *Web Search Behaviors of Public Library Users*, 2000-2001, \$2,000.

American Society for Information Science & Technology, Eugene Garfield Doctoral Dissertation Fellowship Award, 1999-2000, \$3,000.

Beta Phi Mu (international library science honor society). Invitation to membership, 1995.

Wayne State University, Program of Library and Information Science, Patricia B. Knapp Award for excellent performance, 1995.

C. Research and professional activities

COVID-19 Datasets on Open Government Data Portals Worldwide. Principal Investigator. July 2020-present.

The State of Practice of COVID-19 Tracking Systems: An Inventory and Heuristic Evaluation of Data Characteristics. Principal Investigator. Collaborative work with Sanda Erdelez. April 2020-present.

Retooling the Librarian Workforce: Innovative Post-Master's Certificate Program for Developing Inter-Professional Informationists (IPI). Primary PI. Project funded by IMLS. July 1, 2019-present.

Research Data Management Librarian Academy. Project leadership team. Funded by Elsevier. Project partners: Harvard Countway Library of Medicine, Simmons Online, Simmons SLIS. 2018-present.

JASIS&T Special Issue on Paradigm Shift in Information Research. Lead editor for a JASIS&T special issue to be published in 2021. Co-editors: Bharat Mehra, Tina Jia Du, Yuxiang (Chris) Zhao.

News Information Behavior on Mobile Devices. Lead researcher, with K. Oh, 2016-present.

The Evolution of Information Behavior Research: The Dynamics of Intellectual Structure. Lead researcher, 2015-present.

User Behavior Analysis and Usability Evaluation of SAO/NASA Astrophysics Data System. Lead researcher, 2014-2016.

MOOCs in Asia: An Exploratory Research Study Using Phenomenological Method and Situational Analysis. Lead researcher, 2013-present.

Usability Study of SUR40 in Harvard Libraries. Principal investigator, 2012-2013.

Biomedical Research Intranets: Assessing the Needs of the Partners Healthcare Biomedical Research Community. Project supervisor and consultant, 2008-2011.

User-Community Based Question Answering. Lead researcher, 2008-2011.

Needs Assessment of PsycINFO Search, Principal investigator, 2007-2009.

Image Sorting and Tagging by Regular Users, Co-principal investigator, 2007.

Users' Perceptions of a Federated Search System. Principal investigator, 2007.

D. Doctoral thesis examination and peer reviewing

Doctoral Thesis Examination

Thesis Examiner for Wang, Di's doctoral thesis entitled "Connecting supply and demand through portals: A study of open government data in China," Department of Computing, Faculty of Science and Engineering, Macquarie University, Australia. December 2019.

Manuscript evaluation

Morgan & Claypool Publishers.

Conference peer reviewing

iConference, Full, short papers, posters, 2015-present.

ASIS&T Annual Meeting, contributed papers and panel proposals, 2005-2008, 2013-present.

ALISE Annual Conference, juried papers and panels, award reviews, 2016-present.

2020 ASIS&T Asia-Pacific Regional Conference papers and posters, August–September 2020.

UXPA Boston Annual Conference, submissions, 2013.

International Conference on Information Visualisation, contributed papers, 2005-2007.

Journal peer reviewing

Information and Learning Science

Information Processing & Management

Journal of Education for Library and Information Science

Journal of Information Science

Journal of Library and Information Studies

Journal of Association for Information Science & Technology

Knowledge and Information Systems

Library & Information Science Research

Library Quarterly

E. Media coverage on a project (RDMLA) directed

From *Library Journal*:

Peet, L. (2019). RDMLA Offers Free Online Research Data Management Course. *Library Journal*. October 23, 2019. <https://www.libraryjournal.com/?detailStory=RDMLA-Offers-Free-Online-Research-Data-Management-Course>

From *Scholarly Kitchen*:

Carpenter, T. (2019). A New Academy to Train Librarians and Researchers about Data Management Has Launched. RDMLA Answers Our Questions. *The Scholarly Kitchen*. October 15, 2019. <https://scholarlykitchen.sspnet.org/2019/10/15/a-new-academy-to-train-librarians-about-research-data-management/>

From *Library Connect*:

Library Connect. (2019). Research Data Management Librarian Academy (RDMLA): A global online learning community. *Library Connect*. June 12, 2019. <https://libraryconnect.elsevier.com/articles/research-data-management-librarian-academy-rdmla-global-online-learning-community>

TEACHING EXPERIENCE

A. Library and Information Science

Simmons University, School of Library and Information Science, 2006-present

Leadership During Crisis [face-to-face, undergraduate]

Capstone for IPI [online synchronous]

Collaboration and Leadership [online synchronous]

Foundations of IPI Practice [online synchronous]

Conducting Research: Methods and Design [face-to-face and online]

Digital Information Services and Providers [face-to-face and online]

Evaluation of Information Services [face-to-face and online]

Library Automation Systems

Technology for Information Professionals

Theories of Information Science [face-to-face and online]

Usability and User Experience Research [face-to-face and online]

Jiangsu University, Graduate Program in Library, Information, and Archives Sciences, Summer 2014

User Analysis and Research

National Taiwan University, Department and Graduate Institute of Library and Information Science, Fall 2013

Usability and User Experience Research

User Behavior Research [doctoral]

Catholic University of America, School of Library and Information Science, September 2003-May 2006

Information Systems in Libraries and Information Centers

Online Information Retrieval

Research Methods in Library and Information Science

State University of New York at Albany, School of Information Science and Policy, 2000-2003

Information and Knowledge Organization

Online Database Searching

Information Storage and Retrieval

Library Automation and Information Technology

University of North Carolina at Chapel Hill, School of Information and Library Science, 1998-1999

Introduction to Computing

B. Chinese Language

University of North Carolina at Chapel Hill, Department of Asian Studies, 1997-1998.

Advanced Chinese and Intermediate Chinese

Ohio State University, East Asia Department, 1992.
Advanced Chinese

SERVICE ACTIVITIES

A. Service to the profession

Association for Information Science and Technology (ASIS&T)

Publications Committee, Co-Chair, 2015-2017.

SIG USE (Information Needs, Seeking & Use), Chair, 2013-2014.

Membership Committee, Member, 2010-2014.

Planning Committee, 12th Annual SIG-USE Research Symposium, Member, 2011-2012.

Thomson ISI Dissertation Proposal Award, Jury Member, 2005-2008.

Chapter Assembly, Alternate Representative for Student Chapters, 2003-2006.

Potomac Valley Chapter, Student Travel Award, Reviewer, 2005.

Association for Library and Information Science Education (ALISE)

President-Elect, Association for Education for Library and Information Science, 2021-2022

Board of Directors, Director for External Relations, 2017-2020.

Co-Convener, International Library Education SIG, 2016-2017.

Chair, Research Grant Competition Committee, 2009-2010 (member, 2008-2011).

User Experience Professionals' Association, Boston Chapter (UXPA Boston)

Organizer, Meeting, December 2011.

Organizer, World Usability Day @ Simmons, 2009-2011.

Member, Planning Committee, World Usability Day Event, 2010.

Co-Leader, Research Data Management Librarian Academy, 2018-present

Editorial Advisory Board, *Open Information Science*. 2016-present.

Advisory Board, NNLN New England eScience Program, 2016-2017.

Advisory Board, Best Practices in Research Data Management MOOC (NIH Funded), 2015-2018.

Contributor and Translator, AuroraDL Chinese version (developed by G. Benoit). 2008.

Chair, Institute for Informatics, Logistics, and Security Studies Seminar Series, State University of New York at Albany. 2002-2003.

Advisory Board, Policy Information Network of New York State (PIN-NY), Center for Women in Government & Civil Society, University at Albany. 2001-2003.

Advisory Board, E-Government FirstStop, Center for Technology in Government, University at Albany, 2001.

B. Consulting

Harvard University Libraries, Establishment of Harvard Libraries' User Research Center, 2015-2016.

Jiangsu University Library, Establishment of Information Behavior Analysis Laboratory, 2014.

National Taiwan University, Department of LIS, Establishment of Usability Lab, 2013.

Harvard University, IQSS (Institute for Qualitative Social Science). Usability testing of Dataverse Network. 2013.

Harvard University, Countway Library of Medicine. Research design and IRB process for librarian and informatics projects. 2009.

American Psychological Association. PsycNet new interface beta tester. 2007

C. Community service

Smith Leadership Academy Library [school library], Boston, MA, service learning activity, 2009.

Howard Gotlieb Archival Research Center, Boston University. Translator, Chinese watercolor paintings and calligraphy collection from Martin Luther King, Jr., Collection. 2009.

D. Service to school

- Simmons University, School of Library & Information Science

Co-Director, SLIS PhD Program and Co-Chair, Committee on Doctoral Studies, 2019-present.

Director, SLIS PhD Program and Chair, Committee on Doctoral Studies, 2012-2013, 2014-2019.

Director, Interprofessional Informationist (IPI) Post-Master's Certificate Program, 2019-2022.

Member, Assessment Committee, 2021-present.

Co-Director, UX and Emergent Technologies Lab, 2020-present.

Founding Director and Director, Simmons Usability Lab. 2008-2020.

Faculty Advisor, ASIS&T Student Chapter. 2020-present.

Faculty Advisor, Simmons SLIS Doctoral Student Association, 2016-present.

Member, LIS 403/404 Supercourse Committee, 2016.

Member, Curriculum Committee, 2006-2010, 2012-2103, 2015-present.

Faculty Advisor, UXPA (User Experience Professional Association) @ Simmons, 2012-2018.

Member, SLIS Technology Core Curriculum Committee, 2012-2017.

Member, SLIS Foundations Course Working Group, 2007, 2012-2016.

Member, Dean's Search Committee, 2012- 2013.

Faculty Advisor, Simmons Student Chapter International Relations Round Table, 2011-2018.

Chair, Committee on Rank, Tenure and Appointments, 2010-2012.

Chair, Faculty Search Committee, 2010-12.

Chair, Faculty Chapter Committee for ALA COA Self-Study Report, 2009-2010.

Member, Technology Advisory Committee, 2006-2010.

Member, Curriculum Committee, 2006-2010.

Member, Admissions Committee, 2007-2009.

Member, Doctoral Studies Committee, 2006-2009.

Member, Ad Hoc Committee on Core Curriculum Design, 2007.

- Catholic University of America, School of Library and Information Science

Member, Admissions Committee, 2003-2006.

Member, Curriculum Committee, 2003-2006.

Lead, American Library Association Committee on Accreditation, Faculty Chapter, 2005.

Faculty Advisor, ASIS&T Student Chapter, 2003-2006.

- State University of New York at Albany, School of Information Science and Policy

Lead, Information System and Technology Track, 2000-2002.

Member, Faculty Development Committee and Search Committee, 2000- 2001; 2002-2003.

Faculty Advisor, ASIS&T Student Chapter, 2000-2003.

E. Service to college/university

- Simmons University, School of Library & Information Science

Member, Institutional Review Board, Primary Reviewer of Research Protocols, 2006-present.

Member & Listserv Owner, Simmons Faculty of Color. 2016-2019.

Member, Simmons Faculty Senate, 2006-2007, 2012-2015.

Member, Provost's PhD Working Group, 2012-2013.

Member, Search Committee for Director for Center for Excellence in Teaching, 2011-2013.

Member, Academic Technology Committee, 2008-2010.

Organizer and lead presenter, World Usability Day at Simmons, 2009.

Commencement Faculty Marshall, 2007-2008.

- State University of New York at Albany

Member, Information Science Provost Advisory Committee, 2001.

Member, Information Technology Committee, Downtown Campus, 2001-2003