

# Jiangping Chen, Ph.D.

Professor

School of Information Sciences

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Google Scholar: <https://scholar.google.com/citations?user=IVbpY4kAAAAJ&hl=en>

## Research Areas and Expertise

- **Library and Information Services:** Library Services, Information User Studies
- **Data Analytics for Information Problems:** Misinformation, Topic Modeling and Analysis, Knowledge Discovery, Machine Learning, Applications of Large Language Models
- **Digital Libraries:** Digital Library Collections, User Services, Multilingual Digital Collections and Services
- **Information Retrieval:** Cross Language Information Retrieval, Multilingual Information Retrieval and Access, Medical Information Retrieval, Applied Natural Language Processing

## Educational Background

Ph.D. Information Transfer. Syracuse University, New York

M.S. Information Science. Library of Chinese Academy of Sciences, Beijing, China

B.S. Information Science. Wuhan University, Wuhan, China

## Academic Positions and Professional Employment

8/16/2025 – Present **Professor**, School of Information Sciences, University of Illinois Urbana-Champaign

8/16/2024 – 8/15/2025 **Interim Executive Associate Dean & Visiting Professor**, School of Information Sciences, University of Illinois Urbana-Champaign

5/21/2024 – 8/15/2024 **Regents Professor**, University of North Texas

11/12/2018 – 8/15/2024 **Department Chair**, Department of Information Science, University of North Texas

09/01/2017 – 8/15/2024 **Professor**, Department of Information Science, University of North Texas

09/01/2010 – 8/31/2017 **Associate Professor**, Department of Information Science, University of North Texas

01/15/2004 – 8/31/2010 **Assistant Professor**, School of Library and Information Sciences, University of North Texas

06/2000 – 12/2003 **Research Analyst**, Center for Natural Language Processing, School of Information Studies, Syracuse University

09/1999 – 05/2000 **Graduate Assistant**, School of Information Studies, Syracuse University  
1995 – 1998. **Editor and Cataloger**, Information Institute of the Ministry of Electronics Industry, Beijing, China  
1988 – 1995 **Research Assistant**, Wuhan Documentation and Information Center, Chinese Academy of Sciences, Wuhan, China

## Publications and Creative Works

### Monograph

Chen, J. (2016). *Multilingual Access and Services for Digital Collections*. Santa Barbara, CA: Libraries Unlimited.  
<https://www.amazon.com/Multilingual-Access-Services-Digital-Collections/dp/1440839549>

### Referred Journal Articles

- Wang, Z., Wang, Z., Zhang, G., **Chen, J.**, Luczak-Roesch, M., Chen, H. (2026). A hybrid graph and LLM approach for measuring scientific novelty via knowledge recombination and propagation, *Expert Systems With Applications*, 298, Part C, 12974. <https://doi.org/10.1016/j.eswa.2025.129794>
- Chung, H.-H. & **Chen, J.** (2025). Misinformation detection: datasets, models and performance. *Online Information Review*, 49(3), 570-584. <https://doi.org/10.1108/OIR-06-2024-0388>
- Li, J., & **Chen, J.** (2024). Secure and trustworthy cyberspace: characteristics and contributions. *Information Discovery and Delivery*, 54(1), 1-10. <https://doi.org/10.1108/IDD-02-2024-0019>
- Wang, Z., Zhang, H., **Chen, J.**, & Chen, H. (2024). An effective framework for measuring the novelty of scientific articles through integrated topic modeling and cloud model. *Journal of Informetrics*. 18(4). Article 101587. <https://doi.org/10.1016/j.joi.2024.101587>
- Chen, H., Kim, J.(A.), **Chen, J.**, and Sakata, A. (2024). Demystifying oral history with natural language processing and data analytics: a case study of the Densho digital collection. *The Electronic Library*, 42(4), 643-663. <https://doi.org/10.1108/EL-12-2023-0303>
- Wang, Z., Chen, J., **Chen, J.**, & Chen, H. (2023). Identifying interdisciplinary topics and their evolution based on BERTopic. *Scientometrics*. 129, 7359-7384. <https://doi.org/10.1007/s11192-023-04776-5>
- Wang, Z., Peng, S., **Chen, J.**, Kapasule, A., & Chen, H. (2023). Detecting interdisciplinary semantic drift for knowledge organization based on normal cloud model. *Journal of King Saud University – Computer and Information Sciences*, 35(6). <https://doi.org/10.1016/j.jksuci.2023.101569>
- Nguyen, H., Chen, H., **Chen, J.**, Kargozari, K., & Ding, J. (2023). Construction and evaluation of a domain-specific knowledge graph for knowledge discovery. *Information Discovery and Delivery*, 51(4), 358-370. <https://doi.org/10.1108/IDD-06-2022-0054>
- Wu, A. & **Chen, J.** (2022). Sustaining multilinguality: case studies of two multilingual digital libraries. *The Electronic Library*, 40(6), 625-645. <https://doi.org/10.1108/EL-03-2022-0061>
- Irhamni, A., Hong, L., & **Chen, J.** (2022). Remote cataloging productivity: an exploratory study in a national library. *Library Management*, 43(6-7), 401-414. <https://doi.org/10.1108/LM-12-2021-0109>
- Qin, C., Liu, Y., Ma, X., **Chen, J.**, & Liang, H. (2022). Designing for serendipity in online knowledge communities: An investigation of tag presentation formats and openness to experience. *Journal of the Association for Information Science and Technology*, 73(10), 1401-1417. <https://doi.org/10.1002/asi.24640>
- Chen, H., Wu, L., Lu, W., **Chen, J.**, & Ding, J. (2022). A comparative study of automated legal text classification using random forests and deep learning. *Information Processing and Management*, 59(2). Article 102798. <https://doi.org/10.1016/j.ipm.2021.102798>

- Chen, H., **Chen, J.**, & Ding, J. (2021). Data evaluation and enhancement for quality improvement of machine learning. *IEEE Transactions on Reliability*, 70(2), 831-847. <https://ieeexplore.ieee.org/document/9417095>
- Chen, H., Nguyen, H., & **Chen, J.** (2021). Demystifying COVID-19 publications: institutions, journals, concepts, and topics. *Journal of the Medical Library Association*, 109(3), 395-405. <https://doi.org/10.5195/jmla.2021.1141>
- Faulkner, J., Lu, L., & **Chen, J.** (2021). Archivists' golden egg: environmental sustainability practices of archives, *The Electronic Library*, 39(2), 258-280. <https://doi.org/10.1108/EL-09-2020-0260>
- Chen, H., Yang, Y., Lu, W., & **Chen, J.** (2020). Exploring multiple diversification strategies for academic citation contexts recommendation, *The Electronic Library*, 38(4), 821-842. <https://doi.org/10.1108/EL-02-2020-0046>
- Tang, M., **Chen, J.**, Chen, H., Xu, Z., Wang, Y., Xie, M., & Lin, W. (2020). An ontology-improved vector space model for semantic retrieval, *The Electronic Library*, 38(5/6), 919-942. <https://doi.org/10.1108/EL-04-2020-0081>
- Hong, L., Moen, W., Yu, X., & **Chen, J.** (2020). The disciplinary research landscape of data science reflected in data science journals. *Information Discovery and Delivery*, 49(4), 287-297. <https://doi.org/10.1108/IDD-06-2020-0071>
- Chen, J.** (2020). Beyond information organization and evaluation: how can information scientists contribute to independent thinking. *Data and Information Management*, 4(3), 171-176. <https://doi.org/10.2478/dim-2020-0017>
- Wang, C., Huang, R., Li, J., & **Chen, J.** (2020). Towards better information services: A framework for immigrant information needs and library services. *Library and Information Science Research*, 42(1), <https://doi.org/10.1016/j.lisr.2019.101000>
- Lu, W., Luo, M., Zhang, Z., Zhang, G., Ding, H., Chen, H., & **Chen, J.** (2019). Result diversification in image retrieval based on semantic distance. *Information Sciences*, 502, 59-75. <https://doi.org/10.1016/j.ins.2019.06.020>
- Qu, J., & **Chen, J.** (2019). An investigation of benchmark image collections: how different from digital libraries? *The Electronic Library*, 37(3), 401-418. <https://doi.org/10.1108/EL-10-2018-0195>
- Qin, C., Liu, Y., Mou, J., & **Chen, J.** (2019). User adoption of a hybrid social tagging approach in an online knowledge community, *Aslib Journal of Information Management*, 71(2), 155-175, <https://doi.org/10.1108/AJIM-09-2018-0212>
- Chen, M., Qu, J., Xu, Y., & **Chen, J.** (2018). Smart and connected health: what can we learn from funded projects? *Data and Information Management*, 2(3), 141-152. <https://doi.org/10.2478/dim-2018-0015>
- Zhang, H., Wang, Y., Wu, D., & **Chen, J.** (2018). Evolutionary path of factors influencing life satisfaction among Chinese elderly: A perspective of data visualization. *Data*, 3(3), 35 <https://doi.org/10.3390/data3030035>
- Chen, J.**, Bloechle, M., Thomsett-Scott B., & Breen, E. (2018). Editorial: The Electronic Library: new scope and writing suggestions. *The Electronic Library*, 36(2), 190-192, <https://doi.org/10.1108/EL-01-2018-0010>
- Brenda, R., Knudson, R., **Chen, J.**, Cao, G., & Wang, X. (2018). Metadata records machine translation combining multi-engine outputs with limited parallel data. *Journal of the Association for Information Science and Technology*. 69(1), 47-59, 2018. doi:10.1002/asi.23925. <https://doi.org/10.1002/asi.23925>
- Alsmadi, D., **Chen, J.**, Prybutok, V., & Guruprasa, J. (2017) E-learning in Jordanian higher education: cultural perspectives and institutions readiness. *Journal of Information & Knowledge Management*. 16(4), Article 1750035. <https://doi.org/10.1142/S0219649217500356>
- Chen, J.**, Ding R., Jiang, S., & Knudson, R. (2012). A preliminary evaluation of metadata records machine translation. *The Electronic Library*, 30(2), 264-277. <https://doi.org/10.1108/02640471211221377>
- Budzise-Weaver, T., **Chen, J.**, & Mitchell, M. (2012). Collaboration and crowdsourcing: the cases of multilingual digital libraries. *The Electronic Library*, 30(2), 220-232. <https://doi.org/10.1108/02640471211221340>

- Chen, J.,** Ding, R., & Jiang, S. (2011). Metadata records translation: the case of the Portal to Texas History. *Library and Information Service*, 54(2), 16-20. (In Chinese) 元数据记录的自动翻译: 德州历史数字图书馆个案分析 <https://www.lis.ac.cn/CN/Y2011/V55/I02/16>
- Cleveland, A., Philbrick, J., Pan, X., Yu, X., **Chen, J.**, O'Neill, M., & Smith, L. (2009). Quality health information on the Internet: developing a diabetes pathfinder for the Chinese population. *Journal of Consumer Health on the Internet*, 13(4), 313-333. [10.1080/15398280903340798](https://doi.org/10.1080/15398280903340798)
- Chen, J.,** & Bao, Y. (2009). Cross-language search: the case of Google Language Tools. *First Monday*, 14(3). <https://doi.org/10.5210/fm.v14i3.2335>
- Cleveland, A., Pan, X., **Chen, J.**, Yu, X., Philbrick, J., O'Neill, M., & Smith, L. (2008). Analysis of the health information needs and health related internet usage of a Chinese population in the United States. *Library and Information Service*, 52(3), 112-116. (In Chinese) <https://www.lis.ac.cn/EN/Y2008/V52/I03/112>
- Chen, J.** (2007). Services provided by digital libraries: current status and future strategies. *Library and Information Service*, 51(12), 26-32. (Invited, in Chinese) 数字图书馆个性化服务的实施与策略, <https://www.lis.ac.cn/CN/Y2007/V51/I12/26>
- Chen, J.** (2006). A lexical knowledge base approach for English-Chinese cross-language information retrieval. *Journal of the American Society for Information Science and Technology*, 57(2), 233-243. <https://doi.org/10.1002/asi.20273>

## Referred Conference Proceedings and Book Chapters

- Chen, J.,** & Ono, M. (2026). The role of misinformation in elder fraud: a conceptual framework. *Proceedings of iConference 2026*. Edinburgh, England, March 29 -April 3. <https://doi.org/10.47989/ir31iConf64186>
- Le, Y., **Chen, J.**, Alicia, S., Leo, L., and Erik, M. (2025). Critical knowledge and skills for academic librarians in the age of human-centered artificial intelligence. *Proceedings of 2025 ASIS&T Annual Conference*. <https://doi.org/10.1002/pr2.1389>
- Chen, J.**, Taylor, N., & Rorissa, A. (2024). Emerging topics, challenges, and strategies for library and information science education. *Proceedings of 2024 ALISE Annual Conference*, Portland, Oregon, October 14-17. DOI: <https://doi.org/10.21900/j.alise.2024.1693>
- Chen, J.**, Abbas, J., Yu, B., Rorissa, A., Xie, Z. (2024). Emerging topics, challenges, and strategies for information science research. *Proceedings of ASIS&T Annual Conference*, 61(1), 738-740. Calgary, Canada, October 25-29. DOI: [10.1002/pr2.1090](https://doi.org/10.1002/pr2.1090)
- Ogbadu-Oladapo, L., Chung, H., Li, J., & **Chen, J.** (2023). An investigation of the use of theories in misinformation studies. *Proceedings of 2023 annual conference of the American Society for Information Science and Technology*, 60(1), 303-313. London, UK, October 27-31. <https://doi.org/10.1002/pr2.790>
- Nguyen, H., Ogbadu-Oladapo, L., Irhamni, A., Chen, H., & **Chen, J.** (2023). Fighting misinformation: where are we and where to go? *Proceedings of iConference 2023*, 371-394. Barcelona, Spain, March 27-29. [10.1007/978-3-031-28035-1\\_27](https://doi.org/10.1007/978-3-031-28035-1_27)
- Chen, H., **Chen, J.**, & Ding, J. (2020). Data evaluation and enhancement for quality improvement of machine learning. *2020 IEEE International Conference on Software Quality, Reliability, and Security (QRS)*. Macau, China, 2020, pp. 13-13, [10.1109/QRS51102.2020.00014](https://doi.org/10.1109/QRS51102.2020.00014)
- Tang, M., **Chen, J.**, & Chen, H. (2020). An ontology-based semantic information retrieval system. *Proceedings of 2020 IEEE 20th International Conference on Software Quality, Reliability and Security Companion*, [10.1109/QRS-C51114.2020.00042](https://doi.org/10.1109/QRS-C51114.2020.00042)
- Ding, J., **Chen, J.**, Plamer, A., & Smith, D. (2020). An experience report for running an REU program in an iSchool. In: Sundqvist, A., Berget, G., Nolin, J., Skjerdingsstad, K. (eds), *Sustainable Digital Communities. iConference 2020. Lecture Notes in Computer Science*, vol 12051. Springer, Cham. [https://doi.org/10.1007/978-3-030-43687-2\\_41](https://doi.org/10.1007/978-3-030-43687-2_41)

- Zhang, X., & **Chen, J.** (2020). Understanding information resources for college student mental health: a knowledge graph approach. *iConference 2020*, March 20-26, Boras, Sweden. <https://www.ideals.illinois.edu/items/114081>
- Tang, M., **Chen, J.**, & Chen, H. (2020). Smart bookshelf for library book management. *Proceedings of the Association for Information Science and Technology*, 57(1), Article e396. <https://doi.org/10.1002/pra2.396>
- Chen, J.**, Lu, W., & Zavalina, O. (2019). Workshop on organizing data, information, and knowledge in big data environments. *Proceedings of the 19<sup>th</sup> ACM/IEEE Joint Conference on Digital Libraries*, 459-460, June 3-6, Champaign, IL. <https://doi.org/10.1109/JCDL.2019.00118>
- Wu, A. & **Chen, J.** (2019). Sustaining multilinguality: case studies of two American multilingual digital libraries. *iConference 2019*, March 31- April 3, Washington, DC, USA. <https://www.ideals.illinois.edu/items/110364>
- Chen, H., Cao, G., **Chen, J.** & Ding, J. (2019). A practical framework for evaluating the quality of knowledge graph. *China Conference on Knowledge Graph and Semantic Computing*, August 2019. [https://link.springer.com/chapter/10.1007/978-981-15-1956-7\\_10](https://link.springer.com/chapter/10.1007/978-981-15-1956-7_10)
- Wang, Y., Zhang, H., Wu, D., & **Chen, J.** (2019). Health data on data.gov: A research on status quo of open health data, *iConference 2019*, March 31- April 3, Washington, DC, USA. <https://www.ideals.illinois.edu/items/110401>
- Chen, J.**, Chen, M., Qu, J., Chen, H. & Ding, J. (2018). Smart and connected health projects: characteristics and research challenges. *Proceedings of the 6<sup>th</sup> International Conference for Smart Health*, Wuhan, July 1-3. DOI:[10.1007/978-3-030-03649-2\\_15](https://doi.org/10.1007/978-3-030-03649-2_15)
- Chen, H., Ding, J., **Chen, J.**, Cao, G. (2018). Designing a novel framework for precision medicine information retrieval. In: Chen, H., Fang, Q., Zeng, D., Wu, J. (eds) *Smart Health. ICSH 2018. Lecture Notes in Computer Science*, vol 10983. 167-168, Springer, Cham. [https://doi.org/10.1007/978-3-030-03649-2\\_16](https://doi.org/10.1007/978-3-030-03649-2_16)
- Chen, Wei, **Chen, J.**, Erdmann, C., Owens, T., Jin, T., & Phillips, M. (2018). Can research librarians make contributions to decision-making as intelligence analysts? The Prospects and Challenges. *Proceedings of the 18<sup>th</sup> ACM/IEEE Joint Conference on Digital Libraries*, 317-318. Fort Worth, Texas, June 3-7. <https://dl.acm.org/doi/10.1145/3197026.3205365>
- Chen, J.**, Alsamdi, D. A., Zhang, X., & Xie, Z. (2018). An investigation of cyberinfrastructure adoption in university libraries. *Proceedings of iConference 2018*, March 25- 25, Sheffield, UK. <https://www.ideals.illinois.edu/items/106330>
- Chen, J.**, Reyes, B. A., AlSmadi, D. A., & Wang, G. (2018). Chapter 6: fundamentals of data science for future data scientists. *Analytics in Knowledge Management*, edited by Suliman Hawamdeh and Hsia-Ching Chang, Francis and Taylor Group. [10.1201/9781315209555-6](https://doi.org/10.1201/9781315209555-6)
- Phillips, E. M., & **Chen, J.** (2017). Machine learning for name type classification in library metadata. *Proceedings of 80<sup>th</sup> Annual Meeting of the Association for Information Science and Technology*, 54(1), 773-774. Washington D.C. USA, Oct.27 – Nov. 1, 2017. <https://doi.org/10.1002/pra2.2017.14505401152>
- Chen, W., Yang, R., He, T., Wang, S., & **Chen, J.** (2017). An integration-based conceptual framework for scientific information analysis. *Proceedings of 13<sup>th</sup> International Conference on Knowledge Management*, October 25-27, Dallas, Texas. In. *Knowledge Discovery and Data Design Innovation* (pp. 283-300). Singapore: World Scientific. <http://www.worldscientific.com/worldscibooks/10.1142/10832>
- Zhang, Q., Lu, W., Yang, Y., Chen, H., & **Chen, J.** (2017). Automatic identification of research articles containing data usage statements. *Proceedings of 13<sup>th</sup> International Conference on Knowledge Management*, October 25-27, Dallas, Texas. In. *Knowledge Discovery and Data Design Innovation* (pp. 47-66). Singapore: World Scientific. <http://www.worldscientific.com/worldscibooks/10.1142/10832>
- Wang, X., Chang, H., **Chen, J.**, & Yang, J. (2017). Data analytics applied in CNKI databases search log: understanding Chinese content users in North America. *Proceedings of 13<sup>th</sup> International Conference on Knowledge Management*, October 25-27, Dallas, Texas. In. *Knowledge Discovery and Data Design Innovation* (pp. 89-106). Singapore: World Scientific. <http://www.worldscientific.com/worldscibooks/10.1142/10832>

- Reyes, B. A., & **Chen, J.** (2017). A machine learning approach to evaluating translation quality. *Proceedings of JCDL 2017*, Toronto, June 19 – 23. [10.1109/JCDL.2017.7991590](https://doi.org/10.1109/JCDL.2017.7991590)
- Chen, J.**, Namgoong, M., Reyes, B. A., Cao, G., & Wang, X. (2017). Building a multilingual test collection for metadata records. *Proceedings of iConference 2017*, Wuhan, China, March 22-25. <https://www.ideals.illinois.edu/items/101751>
- Chen, J.**, Namgoong, M., & Cao, G. (2016). A framework for test topic generation. *Proceedings of iConference 2016*, Philadelphia, PA, USA, March 20-23. <https://www.ideals.illinois.edu/items/91553>
- Ennis-Cole, D., Wada, A., & **Chen, J.** (2015). An app recommendation system for children with autism spectrum disorder. *Proceedings of iConference 2015*, Newport Beach, California, USA, March 24-27. <https://www.ideals.illinois.edu/items/73906>
- Chen, J.**, Knudson, R., & Namgoong, M. (2014). An investigation of effective and efficient multilingual information access to digital collections. *Proceedings of the 77th Annual ASIS&T Conference*, Seattle, WA, November 2-5. <http://onlinelibrary.wiley.com/doi/10.1002/meet.2014.14505101096/pdf>
- Chen, J.**, Azogu, O. & Knudson, R. (2014). Enabling multilingual information access to digital collections: an investigation of metadata records translation. *Proceedings of IEEE/ACM Joint Conference on Digital Libraries*, 467- 468, London, United Kingdom. September 8-12. <https://dl.acm.org/doi/abs/10.5555/2740769.2740871>
- Azogu, O., & **Chen, J.** (2013). Randomized sampling: an approach to extraction of metadata records. *Proceeding of iConference 2013*, Fort Worth, TX, February. 12-15. <https://www.ideals.illinois.edu/items/35602>
- Chen J.**, Azogu, O., & Zhao, W. (2012). An integrated participatory platform for human evaluation of machine translation. *Proceedings of the 12th ACM/IEEE-CS joint conference on Digital Libraries*, June 10-14, Washington D. C. <http://dl.acm.org/citation.cfm?id=2232922>.
- Chen, J.**, Azogu, O., Zhao, W. & Ruiz, M. E. (2011). HeMT: a multilingual system for human evaluation of metadata records machine translation. *Proceedings of ASIST 2011*, New Orleans, LA, October 9-11. <https://doi.org/10.1002/meet.2011.14504801241>
- Chen, J.**, & Li, F. (2010). Resource acquisition, sharing, and use in intelligent information access: an investigation of the researchers. *Proceedings of ASIST2010 and ACM Digital Library*, Pittsburgh, Pennsylvania, October 24-27. <https://doi.org/10.1002/meet.14504701111>
- Chen, J.**, & Bao, Y. (2009). Information access across languages on the web: from search engines to digital libraries. *Proceedings of 2009 annual conference of the American Society for Information Science and Technology*, November 7-11, Vancouver, British Columbia, Canada. <https://doi.org/10.1002/meet.2009.1450460278>
- Chen, J.**, Li, F., & Xuan, C. (2006). A preliminary analysis of the use of resources in intelligent information access research. *Proceedings of 2006 annual conference of the American Society for Information Science and Technology*, Austin, Texas, November 13-8, 2006. <https://doi.org/10.1002/meet.14504301200>
- Chen, J.** (2005). Toward a unified retrieval outcome analysis framework for cross-language information retrieval. *Proceedings of 2005 annual conference of the American Society for Information Science and Technology*, Charlotte, North Carolina. October 30 - November 1, 2005. <https://doi.org/10.1002/meet.14504201106>
- Diekema, A., & **Chen, J.** (2005). Experimenting with the automatic assignment of educational standards to digital library content. *Proceedings of 2005 Joint Conference on Digital Libraries*, Denver, Colorado, June 7-11, 2005. <https://doi.org/10.1145/1065385.1065436>
- Diekema, Anne R., Ozgur Y., **Chen, J.**, Harwell, S., He, L., & Liddy, E. D. (2004). Finding answers to complex questions. In *New Directions in Question Answering*, edited by Mark T. Maybury, 141-152. Cambridge: AAAI-MIT Press.
- Diekema, A., Yilmazel, O., **Chen, J.**, Harwell, S., He, L. & Liddy, E.D. (2003). What do you mean? finding answers to complex questions. *Proceedings of AAAI Spring Symposium: New Directions in Question Answering*. Palo Alto, California, 87-93. <https://aaai.org/papers/0017-ss03-07-017-what-do-you-mean-finding-answers-to-complex-questions/>

## Juried Papers, Book Chapters, and Other Articles

- Chen, J.** & Li, P. (2026). Serving older adults: Important questions and professional preparation. To appear at ALISE 2026 annual conference proceedings, November 16-18, Buffalo, NY.
- Zhang, H., Li, R., Zhang, Y., Xiao, T., **Chen, J.**, Ding, J., & Chen, H., (2025). The evolving role of large language models in scientific innovation: evaluator, collaborator, and scientist. arXiv:2507.11810 (cd.DL). <https://arxiv.org/abs/2507.11810>
- Chen, J.** (2022, July 13). Designing for serendipity in online knowledge communities: An investigation of tag presentation formats and openness to experience. *Information Matters*, 2(7). <https://informationmatters.org/2022/07/designing-for-serendipity-in-online-knowledge-communities-an-investigation-of-tag-presentation-formats-and-openness-to-experience/>
- Nguyen, H., Chen, H., Prasad, B., Zhao, H., Cleveland, A. & **Chen, J.** (2022). UNTIIA Lab at TREC 2021 - Clinical Trial. Proceedings of TREC 2021, <https://trec.nist.gov/pubs/trec30/papers/UNTIIA-CT.pdf>.
- Zhang, X., Alsmadi, D., **Chen, J.**, & Xie, Z. (2019). Cyberinfrastructure adoption in university libraries. *Texas Library Journal: Special Issue*, Summer 2019. [https://txla.org/wp-content/uploads/2018/09/TLJ-95\\_2.5-Contributed-Papers.pdf](https://txla.org/wp-content/uploads/2018/09/TLJ-95_2.5-Contributed-Papers.pdf)
- Kumar V. L., **Chen, J.**, Cleveland, A. D. & Philbrick, J. (2017). UNT medical information retrieval at TREC 2016. *Proceedings of TREC 2016*. <http://trec.nist.gov/pubs/trec25/papers/UNTIIA-CL.pdf>.
- Chen, J.** (2014). In Brief: Effective and efficient multilingual information access to digital collections. *D-Lib Magazine*, March/April 2014. <http://www.dlib.org/dlib/march14/03inbrief.html>.
- Chen, J.** (2012). Multilingual information access for digital libraries and the machine translation of metadata records. *Public Library Journal* 36(3): 51-58. (In Chinese)
- Chen, J.**, Azogu, O., Zhao, W., Lien, C. C., Knudson, R., & Zhang, Y. (2012). Integrating machine translation with digital collections for multilingual information access. Full Paper presented at *the Tenth Biennial Conference of the Association for Machine Translation in the Americas*, <http://amta2012.amtaweb.org/> October 28-November 1, San Diego, CA.
- Chen, J.**, & Knudson, R. (2011). Course design strategies for teaching technological courses online. Paper presented at *the 1<sup>st</sup> International Conference of ICT on Educational Applications*, September 28, Toluca, Mexico.
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- Diekema, A. R., Liu, X., **Chen, J.,** Wang, H., McCracken, N., Yilmazel, O., & Liddy, E. D. (2001). Question answering: CNLP at the TREC-9 Question Answering Track. *Proceedings of 9th Text REtrieval Conference*, 412-421.
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- Xue, J., Duan, S., & **Chen, J.** (1991). Subject indexing practice for constructing a domain-specific documentary database, *Information Professional Research*, 1991, Issue 1, 36-38. (In Chinese)

## Panels, Presentations, Invited Talks, and Posters

- 2025 “Enhancing Assistive Services in Academic Libraries with Artificial Intelligence.” Invited Speech to members of 2025 Chinese Librarians Scholarly Exchange Program (CLSEP), Champaign, IL, July 9<sup>th</sup>.
- 2025 “Enriching Information Organization Courses with AI Concepts and Applications.” Presented at iConference 2025 Workshop on *Exploring the Application of Large Language Models in Library Information Organization*. March 20, 2025.
- 2025 “Problem-Oriented LIS Education: A Proposal.” Invited Presentation at iConference 2025 Workshop on *Challenges and Opportunities: Recalibrating Library Science Education for the AI-algorithmic World*. March 19, 2025.
- 2025 “Misinformation Research: Characteristics, Theories, and Detection Techniques.” Presented at the University of Illinois Urbana-Champaign IS 400 Colloquium on January 28, 2025.
- 2024 “Data analytics for Information Problems.” 2024, ProSem Fall 2024, iSchool at the University of Illinois Urbana-Champaign, Sept. 25, 2024.
- 2024 “Emerging Topics, Challenges, and Strategies for Information Science Research.” 2024 ASIS&T Conference, Calgary, Canada, October 25-29.
- 2024 “Emerging Topics, Challenges, and Strategies for Library and Information Science Education.” 2024 ALISE annual conference, Portland, Oregon, October 14-17.

- 2023 “Fighting Misinformation: Where are we and Where to Go?” 2023 annual conference of the American Society for Information Science and Technology, London, UK, October 27-31.
- 2023 “Fighting Misinformation: a Systematic Review.” Research meeting of the Department of Information Science, Denton, TX, February 8<sup>th</sup>.
- 2022 “Departmental Research Summary for 2021-2022.” Research meeting of the Department of Information Science, Denton, TX, September 7<sup>th</sup>.
- 2022 “Involving Your Class in Research.” Research meeting of the Department of Information Science, Denton, TX, February 2<sup>nd</sup>.
- 2021 “DIS Research Roadmap.” Research meeting of the Department of Information Science, Denton, TX, February 10<sup>th</sup>.
- 2020 “Mental Health Information Seeking Behavior among College Students: A Systematic Review.” Research meeting of the Department of Information Science, Denton, TX, October 28<sup>th</sup>.
- 2020 “Information Behavior Research Landscape.” Research meeting of the Department of Information Science, Denton, TX, February 5<sup>th</sup>.
- 2019 “Cyberinfrastructure Adoption in American University Libraries.” Annual Texas Association Conference 2019, Austin, TX, April 17<sup>th</sup>.
- 2019 “A Brief Bibliometric Analysis of Information Science & Library Science Publications in 2018.” Research meeting of the Department of Information Science, Denton, TX, January 18<sup>th</sup>.
- 2019 “Finding Research Topics.” Presented at the research meeting of the Department of Information Science, Denton, TX, January 25<sup>th</sup>.
- 2018 “Information Science Research in Data-Driven Context: The Projects at UNT Intelligent Information Access Lab.” Presented to Xidian University, Xi’an, China, June 14<sup>th</sup>.
- 2018 “Natural Language Processing in the Context of Big Data.” Invited talk at Wuhan University, June 27<sup>th</sup>.
- 2018 “Smart and Connected Health Projects: Characteristics and Research Challenges.” Invited Presentation at the 6<sup>th</sup> International Conference for Smart Health, Wuhan. July 1-3.
- 2018 “Writing Research Proposals and Grants.” Presented at the research meeting of the Department of Information Science, Denton, January 26, 20
- 2017-poster “From Data to Wisdom: An Integrated Information Discovery Solution.” *Research Discovery Workshop*, December 1, 2017, Discovery Park, University of North Texas College of Engineering.
- 2017 “Joint Conference on Digital Libraries (JCDL) Introduction.” Presented at the research meeting of the Department of Information Science, Denton, September 22<sup>nd</sup>.
- 2017 “The Intelligent Information Access Lab and Its Projects.” Presented at the research meeting of the Department of Information Science, Denton, September 6<sup>th</sup>.
- 2017 “Some Considerations and Questions to Discuss on Research in Information Science.” Presented to faculty and students at the School of Information Management, Wuhan University, Wuhan, China, July 4<sup>th</sup>.
- 2017 “Writing in English: Advice for Information Professionals and Academics.” Presented to Chinese faculty and students attending the first English writing training class, Wuhan, China, March 25<sup>th</sup>.
- 2017 “Use of Theories and Research Methods in LIS Journal Articles.” presented to librarians in Wuhan Documentation and Information Center, Chinese Academic of Sciences, Wuhan, March 21<sup>st</sup>.
- 2016 “Multilingual Information Access to Digital Collections.” Presented at TLA 2016. April 20, Houston, TX.
- 2015 - poster “Effective and Efficient Multilingual Information Access to Digital Collections.” Poster presented at 2015 IMLS Focus Conference, November 16-17, New Orleans, LA.
- 2015 “Digital Libraries and Big Data.” Wuhan University, July 11<sup>th</sup>.

- 2015 with Kathryn Masten-Cain “From Data to Knowledge, from Local to Global, the Research Questions for Information Professionals.” Presented at KIPA Annual Meeting & Conference on Knowledge Management, March, 6<sup>th</sup>, 2015, Denton, TX.
- 2014 “Library Services, Research, and Education in the U.S.” Invited talk given at Shenzhen Library, June 27, 2014.
- 2014 “The Electronic Library and its Quality Control.” Invited talk given at Wuhan University, China, June 22, 2014.
- 2014 “Multilingual Information Access to Digital Collections.” Invited talk given at Central China Normal University, and Wuhan University, China, June 21-22, 2014.
- 2013 “A User-centered Collaborative Framework for Integrated Information Services in China.” Presented at the 9<sup>th</sup> International Conference on Knowledge Management, Nov. 1-3, 2013, Montreal, Canada.
- 2012 “Integrating Machine Translation with Digital Collections for Multilingual Information Access.” Presented at the *Tenth Biennial Conference of the Association for Machine Translation in the Americas*, October 28 0 November 1, 2012, San Diego, CA.
- 2012 “Connecting with Users beyond Language Boundaries through Multilingual Information Access for Digital Collections.” *Texas Conference on Digital Libraries*, May 24-5, 2012. Austin, TX.
- 2011 “Instructional Design Strategies for Teaching Technological Courses Online.” Invited talk given at the 1<sup>st</sup> International Colloquial on Educational Technology, September 28, 2011. Toluca, Mexico.
- 2011 “Multilingual Information Access for Digital Libraries: The Metadata Records Translation and Evaluation Project.” Invited talk given to faculty and students at four academic institutions including: Wuhan University, Beijing Normal University, Nankai University, and the Library of Chinese Academy of Sciences, June-July, China.
- 2011 “Multilingual Information Access for Digital Libraries: The Metadata Records Translation and Evaluation Project.” Invited talk given to faculty and students at UAEM, September 29, Toluca, Mexico.
- 2011 – poster “HeMT: A Multilingual System for Human Evaluation of Metadata Records Machine Translation.” Poster presented at *ASIST 2011 Annual Conference, New Orleans, LA, October 9-11*.
- 2010 – poster “Resource Acquisition, Sharing, and Use in Intelligent Information Access: An Investigation of the Researchers.” *2010 annual conference of the American Society for Information Science and Technology*, Pittsburgh, Pennsylvania, October 24-27, 2010.
- 2010 “Digital Libraries and Open Access.” *Houston All School Day*, April 24, 2010, Houston M.D. Anderson Library, University of Houston, Houston, TX.
- 2010 “Digital Library Services – the Key to Survival.” *Denton All School Day*, March 27, 2010. Denton, TX.
- 2009 “Information Access Across Languages on the Web: from Search Engines to Digital Libraries.” Presented at *2009 annual conference of ASIST*, November 7-11, 2009, Vancouver, British Columbia, Canada.
- 2009 “Towards an Integrative Approach to Cross-Language Information Access for Digital Libraries.” Presented at *SIGIR 2009 Workshop: Information Access in a Multilingual World*, July 23, 2009. Boston, Massachusetts.
- 2009 “Cross-Language Information Access for Digital Library - Towards an Integrated Framework.” June 17, 2009. Wuhan University, Wuhan, China.
- 2008 “Resource and Resource Sharing in Intelligent Information Access.” Presented at *ICKM 2008* (<http://www.ickm2008.org/>), October 23-24, 2008. Columbus, Ohio.
- 2007 “Digital Libraries: Definitions, Core Issues, and Research Opportunities.” June 5, 2007. Wuhan University, Wuhan, China.
- 2007 “Digital Libraries: Definitions, Core Issues, and Challenges.” June 18, 2007. Wuhan Documentation and Information Center, Chinese Academy of Sciences, Wuhan, China.

- 2006 “Implementing Cultural Diversity through Collaboration.” Presented at 2006 TLA (Texas Library Association) Annual Conference, April 25-28, 2006. Houston, TX.
- 2005 “Toward a Unified Retrieval Outcome Analysis Framework for Cross Language Information Retrieval.” Presented at ASIST’05 Annual Conference, October 30-November 1, 2005. Charlotte, North Carolina.
- 2005 “Information Access Across Languages.” *Informal Talk* at the School of Library and Information Sciences, University of North Texas. April 13, 2005. Denton, TX.
- 2005 “Establishing Your Own Knowledge Base for Reference Service.” Presented at: Texas Library Association Annual Conference, April 5-8, Austin, TX.
- 2005 “CLIR and CLQA Using Available Linguistic Resources and NLP Tools - our Participation in NTCIR-5.” Talk at the meeting of [UNT Language and Information Technologies Research Group](#), April 1, 2005. Denton, TX.
- 2004 – poster “UNT at TREC 2004: Question Answering Combining Multiple Evidences.” Poster presented at *2004 Text Retrieval Conference (TREC)*, November, 16-19. Gaithersburg, MD.
- 2004 “Please Give Me the Answers, Not Documents! - Automatic Question Answering (QA) Using Natural Language Processing (NLP).” *Informal Talk* at the School of Library and Information Sciences, University of North Texas. March 31, 2004. Denton, TX.
- 2003 – poster “Standard Connection.” Poster with Anne Diekema and Elizabeth D. Liddy at 2003 National Science Digital Library All Projects Meeting, November 2003. Washington, DC.
- 2003 “Current Progress in Automatic Question Answering: Challenge or Opportunity?” Presented together with Anne Diekema at ASIST Annual Conference, October, 2003. Long Beach, California.
- 2003 “Award-winning Dissertation Proposal: The Construction, Use, and Evaluation of a Lexical Knowledge Base for English-Chinese Cross Language Information Retrieval.” Presented at ASIS&T Annual Conference, October, 2003. Long Beach, California.
- 2003 – poster “Research on the Lexical Knowledge Base Approach for Cross Language Information Retrieval.” Poster presented at 2003 ALISE Annual Conference, January, 2003. Philadelphia, Pennsylvania.
- 2002 “Standard Connection.” Poster presented with Diekema A., and Liddy, E. D. at 2002 National Science Digital Library All Projects Meeting, November 2002. Washington, DC.,
- 2002 “Automatic Question and Answering in Aerospace Domain.” Presented together with Diekema, A., Yilmazel, O., & Liddy, E. D. at the 4<sup>th</sup> International VRD Conference, November 2002. Chicago, Illinois.

## Funded Research Projects

- 2026-2029 **Principal Investigator** (Co-PI: Dr. Ping Li at Queens College), “Public Library Services for Older Adults in AI Era: Status, Gaps, Solutions, and Recommendations,” Institute of Museum and Library Services. Award Amount: \$620,095, (<https://www.imls.gov/grants/awarded/lg-260199-ols-26>)
- 2026-2029 **Co-Principal Investigator** (PI: Dr. Haihua Chen at the University of North Texas), “ORAL-AI: High efficacy content representation and user engagement of oral digital collections with multimodal LLMs,” Institute of Museum and Library Services. Award Amount: \$490,396, (<https://www.imls.gov/grants/awarded/lg-259721-ols-26>)
- 2019 - 2023 **Co-Principal Investigator** (PI: Dr. Junhua Ding), “REU Site: Data Analytics and Information Retrieval”. National Science Foundation. Award Amount: \$399,849. ([https://www.nsf.gov/awardsearch/showAward?AWD\\_ID=1852249](https://www.nsf.gov/awardsearch/showAward?AWD_ID=1852249))
- 2016 – 2019 **Co-Principal Investigator** (PI: Dr. Zhiwu Xie at Virginia Tech Libraries; Other CO-PIs: Dr. Edward Fox, Dr. Tyler Walters, and Dr. Pablo Tarazaga). “Developing Library Cyberinfrastructure Strategy for Big Data Sharing and Reuse” (<https://www.imls.gov/grants/awarded/lg-71-16-0037-16>), Institute of Museum and Library Services National Leadership Grant. Award Amount: \$308,175.
- 2018 **Principal Investigator**, “Precision Information Retrieval” Funded by College of Information, University of North Texas, \$5, 000.

- 2013 – 2017 **Principal Investigator**, “Effective and Efficient Multilingual Information Access to Digital Collections,” (<https://www.imls.gov/grants/awarded/lg-06-13-0187-13>), Institute of Museum and Library Services National Leadership Grant. Award Amount \$486,078.
- 2012 **Principal Investigator**, “English-Spanish Machine Translation for Multilingual Information Access,” Joint UAEM-UNT Research Seed Fund Program, \$5,000.
- 2010 – 2012 **Principal Investigator**, “Enabling Multilingual Information Access to Digital Collections: An Investigation of Metadata Records Translation” (<https://www.imls.gov/grants/awarded/lg-06-10-0162-10>), Institute of Museum and Library Services National Leadership Grant, Award Amount: \$271,344.
- 2006 – 2007 **Principal Investigator**, “Developing a Resource Repository for Intelligent Information Access,” Faculty Research Grant, University of North Texas, \$5,000.
- 2006 – 2007 **Principal Investigator**, (Co-PI: Dr. William E. Moen). “Addendum No.1: Batch Loading System for Authors @ Your Library Web Database System,” Association of American Publishers, \$3,500.
- 2005 – 2006 **Language and Culture Expert**, (PI: Dr. Ana Cleveland). “Health Information Outreach to the Chinese Population in the Dallas/Fort Worth Metroplex: Teaching Chinese Health Consumers How to Find Quality Health Information on the Internet,” National Network of Libraries of Medicine/South Central Region. \$44,815 (\$24,466 from NLM and \$20,349 from UNT).
- 2005 **Principal Investigator**, (Co-PI: Dr. William E. Moen). “Authors @ Your Library Web Database System,” Association of American Publishers, \$11,220.
- 2004 **Principal Investigator**, “Combining Web Mining and Information Extraction for Cross Language Information Retrieval,” Junior Faculty Research Grant, University of North Texas, \$3,000.
- 2004 **Principal Investigator**, “TREC Question Answering and System Evaluation,” ISDOC Mini-Grant. \$2,000.

## Awards

- |           |                                                                                 |
|-----------|---------------------------------------------------------------------------------|
| 2025      | Facilitating Learning Excellence Award, University of Illinois Urbana-Champaign |
| 2022      | Outstanding Department Award, University of North Texas                         |
| 2022      | LIBINF Top 10 Cited Article (IF 2019-2020), ELSEVIER                            |
| 2021      | Star Performer Award, University of North Texas                                 |
| 2018      | Recognition of Service Award, Association for Computing Machinery (ACM)         |
| 2018      | Research Award, College of Information, University of North Texas               |
| 2005-2007 | Junior Faculty Summer Research Fellowship, University of North Texas            |
| 2003      | ISI/ASIS&T Doctoral Dissertation Proposal Award                                 |
| 1998-2001 | Graduate Fellowship, Syracuse University                                        |

## Teaching: Areas of Expertise

Information Organization and Access

Data Modeling and Database Design

Research Methods and Research Design

Data Analysis and Knowledge Discovery

Digital Libraries

Computer Programming

Information Architecture

Information Retrieval

## **Teaching: Courses Taught at the University of Illinois Urbana-Champaign**

IS 304 Advanced Research Design (Spring 2025) (undergraduate)

IS 455 Database Design and Prototyping (Fall 2025)

IS 505 Information Organization and Access (Spring 2026, Fall 2026)

## **Teaching: Courses Taught at the University of North Texas**

### **Ph.D. Classes**

INFO 6950: Doctoral Dissertation

INFO 6945: Doctoral Seminar in Information Issues

INFO 6940: Seminar in Research and Research Methodology

INFO 6900/6910: Special Problems (Doctoral level)

INFO 6660: Readings in Information Science

INFO/SLIS 6000: Seminar in Information Science

### **Master's Classes**

SLIS 5960.012: Multilingual Information Access and Services (Summer 2010)

INFO 5900: Special Problems (Master level)

INFO 5810: Data Analysis and Knowledge Discovery

INFO 5745: Information Architecture

SLIS 5740: Introduction to Digital Libraries (2007 – 2010)

INFO 5731: Computational Methods for Information Systems

INFO 5717: Networked Data Modeling and Processing

INFO/SLIS 5707: Data Modeling for Information Professionals

INFO 5080.020: Research Methods and Analysis

### **Undergraduate Classes**

INFO 4900: Special Problems (Undergraduate level)

INFO 4745: Information Architecture

INFO 4670: Data Analysis and Knowledge Discovery

## **Teaching: Advising and Supervising Responsibilities for Programs**

2017 – 2018 Director, Master of Science in Data Science Program

2010 – 2023 Coordinator, Digital Content Management Graduate Academic Certificate

2007 – 2019 Coordinator, MS-IS Information Systems Concentration

## Teaching & Advising: Doctoral students and Dissertation Committees

### Current Doctoral Students

**Carolyn Cullen**, 2026 Ph.D. student

**Jiyuan Li** (co—chair, Ph.D. Candidate at the University of North Texas)

### Current Dissertation Committee Member

**Gaozheng Liu** (Proposal defended in December 2025) “Reading Order-aware OCR for Visually Rich Historical Documents: Towards Better Accessibility and Analysis”

### Past Dissertation Chair/co-Chair

**Dr. Wenqian Zhao** (co-chair) “A Trustworthy Framework of AI-Driven Smart Contract Development with Integrated Quality Assurance,” Defended in April 2026

**Dr. Mohannard Alharbi** (Defended in April 2023) “The Security Aspects of Users’ Information Sharing in Social Media”

**Dr. Haihua Chen (co-Chair)**, Defended in Jan. 2022) “A Systematic Investigation of Data Evaluation and Improvement for Machine Learning Systems”

**Dr. Anping Wu** (Defended in May 2021) “Sustaining Multilinguality: Case Studies of Two Multilingual Digital Libraries.”

**Dr. Brenda Reyes Ayala (co-Chair)**, Defended in May 2018) “A Grounded Theory of Information Quality in Web Archives”

**Dr. Olajumoke Azogu** (Defended December 2016) “What Are They Going Up There? A Uses And Gratification Study of Small And Medium Enterprises Cloud Use”

**Dr. Ryan Knudson** (Defended Dissertation in Spring 2015) “Language Identification For Metadata Records”

**Dr. Sutthinan Chuenchom** (Defended Dissertation May 2011) “User-Centered Evaluation Of The Quality Of Blogs.”

**Dr. Fatih Tombul** (Defended Dissertation April, 2011) “The Impact of Leadership Styles and Knowledge Sharing on Police Officers’ Willingness to Exert Extra Effort to Provide Better Security: A Study in Riot Unit of Turkish National Police.”

**Dr. Osman Kilic**, “Information Literacy Skills in the Workplace: A Study on Police Officers,” Dissertation Defended June, 2010 Graduated August, 2010.

**Dr. Erhan Erdonmez**, "Media and Fear of Crime in Turkey: the Effect of Media on Citizens’ Fear of Crime," Graduated August 2009.

**Dr. Rowena Li**, (Co-Chair) "The Representation of National Political Freedom on Web Interface Design: A Comparison of Government-based and Business-oriented Websites," Graduated December 2008.

### Past Dissertation Committee Member

**Dr. Hsin-Hsuan Chung**, “GAI Tools Use Among International Students in Times of Crisis: Usage Behavior and Design Implications,” Defended in April 2026.

**Dr. James Faulkner** (Defended Spring 2024) “Appraisal Practices in University Special Collections”

**Dr. Xinyue Wang** – (Defended November 2022, Computer Science, Virginia Tech) “Large Web Archive Collection Infrastructure and Service”

- Dr. Jinfeng Zhou** (Defended August 2022) “Personalized Recommendation by Aspect-aware Knowledge Graph Learning”.
- Dr. Juncheng Ding** (UNT Computer Science, Defended March 2022) “New Computational Methods for Literature-based Discovery”
- Dr. Mark Phillips** (Defended Spring 2020) “Exploring the Use of Metadata Record Graphs for Metadata Assessment.”
- Dr. Elizabeth Jones** (Defended Spring 2020) “Using Diagnostic Decision Support Systems to Reduce Diagnostic Error: A Survey of Critical Care Physicians”
- Dr. Duha AlSmadi** (Defended in Spring 2019) “Information Sharing and Storage Behavior via Cloud Computing: Security and Privacy in Research and Practice and Users’ Trust”
- Dr. James Spence** (Defended dissertation in May 2018) “A comparison of major factors that affect hospital formulary decision-making by three groups of prescribers”
- Dr. Serhiy Polyakov** (Defended dissertation in June 2015) “Enhancing User Search Experience in Digital Libraries with Rotated Latent Semantic Indexing”
- Dr. Carmen Banea** (Computer Science, defended her dissertation in Spring 2013) “Extrapolating Subjectivity Research to Other Languages.”
- Dr. Xuequn (Della) Pan** “The Role of Health Tasks in the Health Information Searching of Chinese Students.” 2012
- Dr. Mehmet Odabasi**, “User Acceptance of North Central Texas Fusion Center System By Law Enforcement Officers.” Defended July 28, 2010. Graduated December 2010.
- Dr. Serkan Tatil**, "Effects of Tasks on Information-seeking Behavior: In a Police Work Environment in the Context of Criminal Intelligence." Graduated December 2009.
- Dr. Kubra Gultekin**, "Knowledge Management and Law Enforcement: Examination of Knowledge Management Strategies of Police Information Management (POLNET) in the Turkish National Police," Graduated August 2009.
- Dr. Andras Csomai** (Computer Science), "Keywords in the Mist: Automated Keyword Extraction for Very Large Documents and Back of the Book Indexing," Graduated May 2008.
- Dr. Danxia (Christina) Chen** (College of Education), "Changes in Social Distance Among American Undergraduate Students Participation in a Study Abroad Program in the People's Republic of China," Graduated December 2007.
- Dr. Ramazan Yalcinkaya**, "Polis Officers' Adoption of Information Technology: A Case Study of Turkish POLNET System," Graduated August 2007.
- Dr. Huseyin Durmaz**, "Officer Attitudes toward Organizational Change in Turkish National Police," Graduated August 2007.
- Dr. P.L.Sujatha**, from Dept. of Information Science, Uni. Of Madras, India, "Designing of an Information Retrieval System for Veterinary Science," Graduated December 2007.
- Dr. Chris Strauss**, "Organizational Memory Components and Distributed Cognition Processes in a Computer Support Environment," Graduated August 2006.

## Master Thesis Committees

- Ms. Cathy (Jiaying) Hu**, “The Perception and Viability of English Corner on the American Campus,” December 2014.
- Mr. Michael Mohler** (Computer Science), "The Enhancement of Machine Translation for Low-Density Languages Using Web-Gathered Parallel Text," Graduated December 2007.

**Mr. Ehsanul Faruque** (Computer Science), "Word Sense Disambiguation Using Syntactic Dependencies and WordNet Hierarchies," Graduated December 2005.

## Undergraduate and Master Students Advised at the University of Illinois Urbana-Champaign

**Fall 2025** George Lu, Hita Amba, Beijia Zhao, Le Kim Ngan Hoang

**Spring 2026** Max Zhang, George Lu, Zong-hua Wu

## Service: Journal Activities

2025 reviewer for journals: International Journal of Information Management

2025 Editorial Board member, [Journal of Measurement and Evaluation \(JME\)](#)

2019 – present Editorial Advisory Board Member, *the Electronic Library*

(<http://emeraldgrouppublishing.com/journal/el>)

2013 – 2019. Editor-in-Chief, *The Electronic Library* (<http://www.emeraldinsight.com/el.htm>)

2015 – present Editorial Advisory Board Member, *Information Discovery and Delivery*

(<http://www.emeraldinsight.com/loi/idd>)

2018 Editorial Board Member, *Journal of Information Resources Management* (<http://jirm.whu.edu.cn>)

2006 – present Reviewer for different Information Science Journals: *Journal of Information Science*, *Journal of the American Society for Information Science and Technology*, *Information Processing and Management*, *Journal of Education for Library and Information Science (JELIS)*, *Online Information Review*, *Journal of Information Fusion*, and *Journal of Natural Language Engineering*.

1995 – 1998 Editorial Board, *Electronic Science & Technology Abstract* (A Chinese journal)

## Professional and Academic Association Membership

1999 – present [The Association for Information Science and Technology \(ASIS&T\)](#)

2007 – present [The American Library Association \(ALA\)](#)

2026 [Association of College and Research Libraries](#)

2026 [Public Library Association](#)

2023 - present [Association for Library and Information Science Education \(ALISE\)](#)

2002 – 2018 [Association for Computing Machinery](#) (ACM)

2002 – 2018 [Special Interest Group on Information Retrieval \(SIGIR\)](#)

2007 – 2018 [Library and Information Technology Association \(LITA\)](#)

2007 – 2016 [ALA International Relations Round Table \(IRRT\)](#)

2009 – 2011 [Association of College and Research Libraries \(ACRL\)](#)

2010 – 2014 [Association for Machine Translation in the Americas \(AMTA\)](#)

2008 [The Association for Computational Linguistics \(ACL\)](#)

2006, 2024 [Texas Library Association \(TLA\)](#)

1988 – 1998 [China Society for Scientific and Technical Information \(CSSTI\)](#)

## Other Services to the Profession

- 2026 General Co-Chair, JCDL 2026 (<https://2026.jcdl.org/organization/>)
- 2026 Member, ALISE 2026 Excellence in Teaching Award (<https://alise.org/page/excellence-in-teaching>)
- 2025 Program Co-Chair, JCDL 2025 (<https://2025.jcdl.org/organizers/>)
- 2025 Program Co-Chair, [iConference 2026 Chinese Research Papers Track](#)
- 2025 Local Chair, [The First International Workshop on Data Mining and AI for Law](#) at the [25<sup>th</sup> IEEE International Conference on Data Mining](#)
- 2025 reviewer for conferences, iConference 2026, JCDL 2025, ALISE 2025
- 2024 JCDL 2024 program committee
- 2024 Tenure and Promotion external reviewer
- 2023 -2024 Co-Chair, ALISE Council of Deans, Directors, and Chairs
- 2024 Co-Chair, iConference 2024 Early Career Colloquia- North America
- 2022 Reviewer, iConference 2023
- 2021 Program Committee, JCDL 2021 (<https://2022.jcdl.org/>)
- 2020 Poster Co-Chair, JCDL 2020 (<https://2020.jcdl.org/>).
- 2020 Reviewer, iConference 2021
- 2019 Workshop Organizer, JCDL 2019 (<https://2019.jcdl.org/>) Workshop 4: Organizing Data, Information, and Knowledge in Big Data Environments (<https://2019.jcdl.org/program/workshops/>).
- 2018 General Chair, ACM/IEEE Joint Conference on Digital Libraries (<http://2018.jcdl.org>)
- 2018 President, North Texas Chinese Faculty Association
- 2017 Co-Chair, iConference 2017 Doctoral Colloquium (<http://ischools.org/the-iconeference/organizers/>)
- 2017 Co-Chair, JCDL 2017 Doctoral Consortium
- 2016 JASIS&T Best Paper Award Jury
- 2016 Reviewer, Louisiana Research Competitiveness Subprogram (RCS) and Pilot Funding for New Research (Pfund)
- 2014 Third-Year Faculty Continuing Reviewer
- 2014 Reviewer, Journal of Natural Language Engineering
- 2013 Panelist, National Science Foundation (NSF), Division of Information & Intelligent Systems (IIS)
- 2013 Tenure and Promotion Reviewer
- 2013 – 2015 Co-Chair, ALA IRRT International Librarians Reception Committee
- 2012 Member, ASIS&T International Relations Committee
- 2011 Reviewer, iConference 2011
- 2010 – 2012 Member, LITA Education Committee
- 2010 – 2011 ACR-ULSDGCT - ACRL/ULS Current Topics Discussion Group
- 2009 – 2012 Committee Member, ALA IRRT International Librarians Reception Committee
- 2009 Reviewer, Annual Conference of the American Society for Information Science and Technology
- 2009 Reviewer, NIH (National Institute of Health) Plain Language Awards Program
- 2008 Panelist, National Science Foundation (NSF) Division of Information & Intelligent Systems (IIS)

- 2008 Organizer and Moderator, ASIS&T Panel: Multilingual Information Access for Digital Libraries
- 2007 Reviewer, Database Systems: A Practical Approach to Design, Implementation, and Management”  
Fourth edition published by Addison-Wesley
- 2007 – 2008 Committee Member, LITA 2008 National Forum
- 2006 – 2007 Reviewer, Human Language Technology conference - North American chapter of the Association  
for Computational Linguistics annual meeting (HLT-NAACL) 2007
- 2006 Program Committee, WISE (The Seventh International Conference on Web Information Systems  
Engineering <http://www.sklse.org:8080/wise06/> ) Workshop on Web Information Access and Digital  
Library
- 2005 Reviewer, Conference on Design for User eXperience (dux2005), Fort Mason, San Francisco, CA.
- 2004 Committee Member, Student Chapter of the Year, ASIS&T
- 2004 Reviewer, ITIE (Information Technology in Education) 2004 International Conference

## **Service to the University of Illinois Urbana-Champaign**

- 2025 – 2026 Member, iSchool PhD Program Committee
- 2025 – 2026 Member, iSchool ALA Accreditation
- 2024 - 2025 Co-Chair, Executive Committee, Data Science Education Council

## **Services to the University of North Texas (UNT)**

- 2018- 2024 Member, UNT Chair’s Academy
- 2018 - 2019 Member, UNT Vice President for Research and Innovation Search Committee
- 2016 – 2018 Member, University Faculty Research Committee
- 2010 - 2012, 2007 – 2009 Member, University Writing Committee
- 2009 - 2010 Member, UNT High-performance Computing Faculty Advisory Committee
- 2007 – 2010 Senator, Faculty Senate
- 2009 Member, UNT in the World: Global Scholar Development Program, June 2009 - Modernity,  
Development, and Sustainability: Examine the New China from Inside
- 2007 – 2008 Reviewer, UNT Faculty Research Grant
- 2005 – 2006 Faculty Advisor, UNT & TWU Chinese Students and Scholars Association (CSSA)

## **Service to the College of Information (COI), UNT**

- 2018 – 2024 COI Executive Committee
- 2015 – 2017 COI Reappointment, Promotion & Tenure Committee
- 2017 – 2018 COI Supplementary Travel Review
- 2016 Member COI Research Staff Search Committee
- 2010 – 2011 Member, Ad Hoc Working Group on COI Strategic Plan for Research and Scholarly  
Communication
- 2009 – 2010 Member, Information Technology Ad Hoc Committee

## Services to the Department of Information Science, UNT

2021 Chair, Data Science Faculty Search Committee  
2018 Chair, Data Science Faculty Search Committee  
2018 Member, EOP Committee  
2017 - 2018 Member, Reappointment, Promotion & Tenure Committee  
2017 - 2018 Member, Executive Committee  
2017 – 2018 Chair, Data Science Faculty Search Committee  
2016 – 2017 Member, Faculty Search Committee  
2016– 2017 Member, Resource and Facilities Committee  
2015 – 2016 Member, End-of-Program Committee  
2015 – 2016 Member, Faculty Search Ad Hoc Committee  
2015 – 2017 Member, PhD Admission Committee  
2013 – 2015 Member, Curriculum Committee  
2011 – 2015 Member, Personnel Affair Committee  
2014 – 2015 Member, LIS Reappointment, Promotion & Tenure Committee  
2013 – 2014 Chair, LIS Faculty Search Ad Hoc Committee  
2013 Member, LIS Interdisciplinary Information Science PhD Program Admission Committee  
2010 – 2014 Member, LIS Reappointment, Promotion & Tenure Committee  
2012 – 2013 Member, Resources and Facilities Committee  
2012 – 2013 Member, COA MGO Working Group  
2011 – 2012 Chair, LIS Faculty Search Ad Hoc Committee  
2010 – 2012 Member, Executive Committee  
2011 – 2012 Member, Student Affair Committee  
2010 – 2011 Co-chair, Personnel Affair Committee  
2010 – 2011 Member, Resources and Facilities Committee  
2009 – 2010 Chair, Faculty Search Committee for Digital Content Management  
2009 – 2010 Member, Digital Content Management Ad Hoc Committee  
2009 – 2010 Member, Capstone Committee  
2008 – 2009 Member, LIS Curriculum Committee  
2007 – 2008 Member, SLIS Executive Committee  
2008 Member, Ad Hoc Committee on Consolidation,  
2007 – 2008 Member, Resources and Facilities Committee  
2007 – 2008 Member, Capstone Committee  
2007 Chair, Grade Appeal Ad Hoc Committee  
2006 – 2007 Chair, Committee on Committees  
2005 – 2006 Member, Committee on Committees  
2006 – 2007 Chair, Curriculum Committee

2005 – 2006 Co-Chair, Curriculum Committee  
2004 – 2005 Co-Chair, Curriculum Committee  
2006 – 2007 Member, Capstone Committee  
2005 – 2006 Co-Chair, COA Curriculum Working Group  
2004 – 2005 Co-Chair, COA Curriculum Working Group  
2005 – 2006 Member, COA Student Working Group  
2004 – 2005 Member, COA Student Working Group  
2004 – 2005 Member, Information Technology Knowledge & Skills Committee