Xiaojun (Jenny) Yuan

Associate Professor
University Senate Secretary
Co-Director of the Extreme Events Social Equity and Technology (E²SET) Laboratory
Member, 2024-2025 Provost's Leadership Academy Fellows
Department of Information Sciences and Technology
College of Emergency Preparedness, Homeland Security and Cybersecurity
University at Albany, State University of New York
SUNY ETEC, 260F, Albany, NY 12226
Tel: (518) 591 - 8746   Email: xyuan [at] albany.edu

ACADEMIC APPOINTMENTS

College of Emergency Preparedness, Homeland Security and Cybersecurity, University at Albany, State University of New York
Associate Professor, Information Science. October 2017 – Present

School of Communication and Information, Rutgers University, New Brunswick, NJ
Visiting Scholar, InfoSeeking Lab Directed by Dr. Chirag Shah. September 2018 – August 2019
(Took Sabbatical Leave from University at Albany, SUNY)

College of Engineering and Applied Sciences (CEAS), University at Albany, State University of New York
Department of Information Studies/Department of Information Science. Assistant Professor.
September 2006 – August 2017
Department of Informatics, Affiliated Assistant Professor, January 2007 – August 2017
Department of Information Science. Associate Professor. September 2017 – October 2017

Bell Labs, Lucent Technologies, Homdel, NJ
Human Factor Researcher Summer Intern, Human Factors Practice, June - August 2005

Institutional Research & Academic Planning
Graduate Assistant, Rutgers University, New Brunswick, NJ, September 2003 - May 2005

School of Communication and Information Science
Graduate Assistant, Rutgers University, New Brunswick, NJ, September 2000 - May 2003

Institute of Computing and Technology, Chinese Academy of Sciences
Graduate Assistant, Beijing, China, September 1997 - June 2000

EDUCATION

- ***Ph.D.*** *in Information Science*. October 2007
School of Communication and Information, Rutgers University, New Brunswick, NJ

- **M.S.** *in Statistics*. January 2003
Department of Statistics, Rutgers University, New Brunswick, NJ

- **Ph.D.** *in Computer Application*. July 2000
Institute of Computing Technology, Chinese Academy of Sciences, Beijing, China

- **B.E., M.E.** *in Computer Application*. May 1994, May 1997
Department of Computer Science, Xi'an University of Science & Technology, Xi'an, China

RESEARCH PUBLICATIONS

Refereed Journal Articles

1. **Yuan, X.-J.,** Guo, Q., and Bennett Gayle, D. (2025). Personal Intelligent Agents: Empowering or Marginalizing Older Adults? Submitted to the Aslib Journal of Information Management (Major revision, under review).
2. Li, X., & **Yuan, X.-J.** (2025). Mental Health Behavior of Teens. Expression of Interest Accepted to the Journal of Annual Review of Information Science and Technology (ARIST). (full paper will be submitted for review in June 2025).
3. Ansari, B., Barati, M., **Yuan, X.-J.** (2025). Representation of Minority Populations on Public Health Data Dashboards: Considerations for Balancing Data Utility and Information Privacy. Journal of Public Health Management & Practice. (In Press)
4. Li, Y., He, P., **Yuan, X.,** & Hopfgartner, F. (2024). Developing and evaluating a gamified information retrieval system for Generation Z. Library & Information Science Research, 46(1), 101270.
5. Lin, S., Qi, Q., Liu, H., Deng, X., Trees, I., **Yuan, X.,** & Gallant, M. P. (2024). The Joint Effects of Thunderstorms and Power Outages on Respiratory-Related Emergency Visits and Modifying and Mediating Factors of This Relationship. Environmental Health Perspectives, 132(6), 067002. (Impact factor: 10.4)
6. Serrano, C., Vasquez, E., Bennett Gayle, D., Jared, E., Dirlam, J., **Yuan, X.-J.** (2023). Creating a Model for Faculty Success: Faculty Advancement Initiative for Black, Indigenous, Latinx, and People of Color at UAlbany. Journal of Indigenous Research. https://digitalcommons.usu.edu/kicjir/vol11/iss1/2/
7. Knight, T., **Yuan, X.,** & Gayle, D. M. B. (2023). Privacy and security concerns: A systematic review of older adults' perceptions surrounding the use of technology. Journal of Data Protection & Privacy, 5(4), 388-400.
8. Dubois, E., **Yuan, X.,** Bennett, D., Khurana, P., Knight, T., Laforce, S., ... & Wild, D. (2022). Socially Vulnerable Populations Adoption of Technology to Address Lifestyle Changes Amid COVID-19 in the US. *Data and Information Management*, 100001.
9. **Yuan, X.-J.,** Bennett, D., & Wu, D. (2022). Technology adoption and COVID-19 pandemic *Data and Information Management*, 6 (2022), 100016.
10. Knight, T., **Yuan, X.,** Bennett Gayle, D. (2022). Illuminating Privacy Concerns in Older Adults' Technology Use. Commentary, Journal of Working, Aging, and Retirement. https://doi.org/10.1093/workar/waac032, IF 5.682

11. Li, Y., Fan, Z., **Yuan, X.,** & Zhang, X. (2022). Recognizing fake information through a developed feature scheme: A user study of health misinformation on social media in China. Information Processing & Management, 59(1), 102769.
12. Sa, N., & **Yuan, X.** (2022). Improving the effectiveness of voice search systems through partial query modification. Journal of the Association for Information Science and Technology, 73(8), 1092-1105.
13. Begany, G. M., Martin, E. G., & **Yuan, X. J.** (2021). Open government data portals: Predictors of site engagement among early users of Health Data NY. Government Information Quarterly, 38(4), 101614.
14. DeeDee Bennett Gayle, **X. Yuan** & T. Knight (2021): The coronavirus pandemic: Accessible technology for education, employment, and livelihoods, Assistive Technology, DOI: 10.1080/10400435.2021.1980836
15. Bennett Gayle, D., **Yuan, X.,** & Knight, T. (2021). The coronavirus pandemic: Accessible technology for education, employment, and livelihoods. Assistive Technology, 1-8.
16. Elisabeth Dubois, M. B. A., & **Yuan, X. J.** (2021). The mental state of Americans amid the COVID-19 crisis: How socially vulnerable populations face greater disparities during and after a crisis. Journal of Emergency Management, 19(9), 69-80.
17. Li, Y., **Yuan, X.-J.,** Che, R. (2021). An investigation of task characteristics and users' evaluation of interaction design in different online health information systems. *Information Processing & Management*, *58*(3), 102476.
18. Sa, N., & **Yuan, X.-J.** (2021). Examining User Perception and Usage of Voice Search. *Journal of Data and Information Management*, 5(1):1-14.
19. Sa, N., & **Yuan, X.-J.** (2020). Examining users' partial query modification patterns in voice search. First published on 29 April 2019. https://doi.org/10.1002/asi.24238. *Journal of the American Society for Information Science and Technology*. 71*(3),* 251-263 (cover article).
20. Wang, C., **Yuan, X. J.,** & Ren, X. (2020). Twelve Agendas on Interacting with Information: A Human-Engaged Computing Perspective. *Journal of Data and Information Management*, *4*(3), 191-199.
21. **Yuan, X.-J.** & Sa, N. (2017). User query behaviour in different task types in a spoken language vs. textual interface: A Wizard of Oz experiment, In *Proceedings of ISIC, the Information Behaviour Conference, Zadar, Croatia, 20-23 September 2016: Part 2*. *Information Research, 22*(1), paper isic1615. Retrieved from http://InformationR.net/ir/22-1/isic/isic1615.html (Archived by WebCite® at http://www.webcitation.org/6oGdJGAHG)
22. Begany, G. M., Sa, N., & **Yuan, X.** (2016). Factors affecting user perception of a spoken language vs. textual search interface: a content analysis. Interacting with computers, 28(2), 170-180.
23. Cotler, J., Kassab, D., & **Yuan, X.-J.** (2015). Using web conferencing to foster learning partnerships in a team-based learning computer science classroom. *Journal of Computing Sciences in Colleges*, *30*(6), June 2015, 110-118.
24. **Yuan, X.-J.,** & Belkin, N.J. (2014). Applying an information-seeking dialogue model in an interactive information retrieval system. *Journal of Documentation*. *70*(5). pp.829 – 855.
25. Watkins, I., Kules, B., **Yuan, X.-J.,** & Xie, B. (2014). Heuristic evaluation of healthy eating apps for older adults. *Journal of Consumer Health on the Internet. 18(2),* 105-127.
26. Liu, J., Zhang, X., Belkin, N.B., & **Yuan, X.-J.** (2013). Examining users' knowledge change in the task completion process. *Information Processing & Management*. *49*(5), 1058-1074.

27. Kassab, D., **Yuan, X.-J.** (2012). Understanding the information needs and search behaviors of mobile users. *Journal of Information Research, 17*(4) paper 551. [Available at http://InformationR.net/ir/17-4/paper551.html].
28. Rorissa, A., **Yuan, X.-J.** (2012). Visualizing and mapping the intellectual structure of information retrieval. *Information Processing & Management, 48*(1), 120 - 135.
29. **Yuan, X.-J.,** Zhang, X.-J, Chen, C., Avery, J. (2011). Seeking information with an information visualization system: A study of cognitive styles. *Information Research*, 16(4) paper 499. [Available at http://InformationR.net/ir/16-4/paper499.html].
30. **Yuan, X.-J.,** & Belkin, N.J. (2010). Evaluating an integrated system supporting multiple information-seeking strategies. *Journal of the American Society for Information Science and Technology*, 61 (10), 1987–2010.
31. **Yuan, X.-J.,** & Belkin, N.J. (2010). Investigating information retrieval support techniques for different information-seeking strategies. *Journal of the American Society for Information Science and Technology*, 61(8), 1543–1563.
32. Chen, C., Song, I-Y., **Yuan, X.-J.**, Zhang, J. (2008). The thematic and citation landscape of *data &* knowledge engineering (1985-2007). *Journal of the Data & Knowledge Engineering*, 67 (2), 234-259.
33. Murdock, V., Kelly, D., Croft, W.B, Belkin, N.J., **Yuan, X.-J.** (2007). Identifying and improving retrieval for procedural questions. *Journal of Information Processing and Management*, 43(1), 181-203.
34. Zhang, X.-M., Anghelescu, H., **Yuan, X.-J.** (2005). Domain knowledge, search behavior, and search effectiveness of engineering/science students: An exploratory study. *Information Research: An International Electronic Journal,* 10(2), paper 217 (2005). [Available at http://InformationR.net/ir/10-2/paper217.html]
35. **Yuan, X.-J.**, Ren, J.-C., Du, W., Li, H., Liu., S.-Q. (2001). Fractional-level processing of multiresolution images. *Journal of Computer Aided Design and Graphics*, 13 (1), 93-96. (In Chinese)
36. **Yuan, X.-J.**, Ren, J.-C., Du, W., Li, H., Liu., S.-Q. (2001). Hierarchical processing of multi-resolution images. *Journal of Computer Aided Design and Computer Graphics*, 13 (2). (In Chinese)
37. **Yuan, X.-J.**, Li, H. (2001). Research of constructing a perfect reconstruction model using box spline. *Journal of Image and Graphics*, 6A(2), 195-198. (In Chinese)
38. Ma., X.-Y., Du, W., **Yuan, X.-J.**, Li, H. (2001). Walkthrough in image-based virtual in-door environment. *Journal of Image and Graphics*. 6A(1), 86-91.
39. **Yuan, X.-J.** *(2000).* Applications of bivirate box spline wavelets in image processing. *Journal of Computer Research & Development*, 37(12), 1482-1487.
40. Ren, J.-C., **Yuan, X.-J.**, Li, H., Liu, R.-J. (2000). Parallel shear-warp volume rendering algorithm based on dynamic data distribution. *Journal of Computer Aided Design and Computer Graphics*, 12(4), 241-244.
41. He, Y.-X., **Yuan, X.-J.,** Li, H. (1999). Fast and accurate determination of IFS attractor space boundary. *Chinese Journal of Computers*, 22(2), 159-164.
42. Feng, J., **Yuan, X.-J.**, Li, H., Lin, Z.-K. (1999). Research on 3D human-human interaction interface. *Journal of Software*, Supplement, June, 126-129.

Refereed Conference Papers

1. Dadson, Y., Sharma, P., Bennett Gayle, & **Yuan, X.** (2025). Exploring the Influence of Social Capital on the Adoption and Use of Contact Tracing and Vaccination Apps in New York State during the COVID-19 Pandemic: A Qualitative Secondary Analysis of Focus Group Data. Accepted to the *International Conference on Human-Computer Interaction (HCII)* 2025.

2. Goodarzi, M., Bennett Gayle, D., **Yuan, X.,** LaForce, S., Mwavita, M. (2025). Technology Adoption for Disaster Preparedness Among Older Adults and People with Disabilities. Accepted to the *International Conference on Human-Computer Interaction (HCII)* 2025.

3. Bennett Gayle, D., Dadson, Y., Goodarzi, M., & **Yuan, X.** (2025). COVID-19 Mobile Applications for Vaccination in New York State (NYS*). The Hawaii International Conference on System Sciences (HICSS) 2025.* **(Best Paper Nomination)**

4. Bennett Gayle, D., Goodarzi, M., **Yuan, X.**, Mwavita, M., & Laforce, S. (2025). Perception of Emerging Technology for Emergency Preparedness: A Cross-Sectional Study. *The Hawaii International Conference on System Sciences (HICSS) 2025*.

5. Udoh, E. S., **Yuan, X.,** & Rorissa, A. (2024). A Framework for Defining Algorithmic Fairness in the Context of Information Access. *Proceedings of the Association for Information Science and Technology*, 61(1), 667-672.

6. **Yuan, X.,** Bennett Gayle, D., Jung, E. S., & Dadson, Y. A. (2023, July). COVID-19 Contact Tracing Mobile Applications in New York State (NYS): an Empirical Study. In *International Conference on Human-Computer Interaction* (pp. 505-524). Cham: Springer Nature Switzerland.

7. Bennett Gayle, D., **Yuan, X.-J.,** Dadson, Y., & Edwards, N. (2023). Contact Tracing Mobile Application in New York: Qualitative Study on the Use and Privacy Perceptions. The 20th Annual Conference on Information Systems for Crisis Response and Management (ISCRAM) CoRe (Full) paper 2023. **(Best Paper Award)**

8. Wang, C., **Yuan, X.,** & Xiao, X. (2023, July). Designing a Pinyin-Based Keyboard Based on the Frequency of Pinyin of Chinese Characters. In International Conference on Human-Computer Interaction (pp. 604-618). Cham: Springer Nature Switzerland.

9. **Yuan, X.-J.,** Bennett Gayle, D., Yang, F., & Lin, S. (2022). Older Adults Decision-making and Technology Use Amid the COVID-19 Pandemic: Opportunities and Challenges. The 20th Annual Community Informatics Research Network Conference (CIRN 2022). 20 Years of CIRN: Examining the Past, Present, and Future of Communities and Technology. Proceedings of the 20th CIRN Conference, pp. 202-210. Monash Centre, Prato Italy, November 9-11, 2022.
https://www.monash.edu/__data/assets/pdf_file/0006/3282018/CIRN_Proceedings_final.pdf

10. Dubois, E., Gayle, D. B. M., **Yuan, X.,** Khurana, P., & Knight, T. (2022, October). Older Adults Use of Technology for Decision-Making: A Systematic Literature Review. In HCI International 2022–Late Breaking Papers: HCI for Health, Well-being, Universal Access and Healthy Aging: 24th International Conference on Human-Computer Interaction, HCII 2022, Virtual Event, June 26–July 1, 2022, Proceedings (pp. 322-333). Cham: Springer Nature Switzerland. *IF: 4.75*

11. Xing, Z., **Yuan, X.,** & Mostafa, J. (2022, March). Age-related Difference in Conversational Search Behavior: Preliminary Findings. In ACM SIGIR Conference on Human Information Interaction and Retrieval (pp. 259-265).

12. Wang, C., **Yuan, X.,** & Xiao, X. (2022, November). Cultural Discourse on Keyboards: The Selection of Alphabets. In HCI International 2022–Late Breaking Posters: 24th International

Conference on Human-Computer Interaction, HCII 2022, Virtual Event, June 26–July 1, 2022, Proceedings, Part I (pp. 275-283). Cham: Springer Nature Switzerland.

13. Sa, N., & **Yuan, X.** (2021). User Assessment of Webpage Usefulness. In Human-Computer Interaction. Design and User Experience Case Studies: Thematic Area, HCI 2021, Held as Part of the 23rd HCI International Conference, HCII 2021, Virtual Event, July 24–29, 2021, Proceedings, Part III 23 (pp. 442-457). Springer International Publishing.

14. Wang, C., & **Yuan, X.** (2021). Cultural Discourse in User Behavior: Transfer of Thought in Keyboard Key Practice. In Cross-Cultural Design. Experience and Product Design Across Cultures: 13th International Conference, CCD 2021, Held as Part of the 23rd HCI International Conference, HCII 2021, Virtual Event, July 24–29, 2021, Proceedings, Part I 23 (pp. 506-526). Springer International Publishing.

15. Daraz, Lubna; Bouseh, Sheila; Chang, Bebe Swallayhah; Yassine, Yara; **Yuan, Xiaojun** {Jenny}; Othman, Roslina. A rapid systematic review to identify the current state of the evidence addressing issues related to COVID-19 and information. Peer-reviewed conference proceedings full paper. Pages: 22-50. Nov 2021. https://www.monash.edu/__data/assets/pdf_file/0003/2905716/CIRN-PRATO-2021-intro-info-pages-merged-with-cover.pdf

16. Liu, Y. & **Yuan, X.-J.** (2021). The Relation between Neutral User-generated Content (UGC) and Users' vaccination behavior of COVID-19. The 19th Annual Community Informatics Research Network Conference (CIRN 2021).

17. Sa, N., & **Yuan, X.-J.** (2020). Examining User Perception and Usage of Voice Search. ASIS&T 2020 Asia-Pacific Regional Conference. Virtual Conference, December 2020.

18. Sa, N., & **Yuan, X.-J.** (2020). Challenges in Conversational Search: Improving the System Capabilities and Guiding the Search Process. Proceedings of the 24th World Multi-Conference on Systemics, Cybernetics and Informatics (WMSCI 2020), p. 37-42. September 2020. Virtual Conference.

19. Wang, C., & **Yuan, X.-J.** (2020). Cultural Discourse in User Interface Design: Investigating Characteristics of Communicators in Microsoft Word. HCII2020. HCI INTERNATIONAL 2020, 22nd International Conference on Human-Computer Interaction, Copenhagen, Denmark, 19-24 July 2020.

20. Xing, Z., **Yuan, X.-J.,** Wu, D., Huang, Y., & Mostafa, J. (2020, July). Understanding voice search behavior: review and synthesis of research. In International Conference on Human-Computer Interaction (pp. 305-320). Springer, Cham.

21. **Yuan, X.-J.,** Knight, T., Bennett, D., Khurana, P., Laforce, S., Dubois, E., Wild, D., (2020). ICT (Information Communication Technologies) and Emergency Management: Studies on Human Information Behavior During Pandemic. Full Paper, ASIS&T SIGUSE Symposium, Proceedings of the Annual Conference of the American Society for Information Science & Technology (ASIS&T2020). Virtual Conference, October 2020.

22. **Yuan, X.-J.,** & Sa, N. (2020, July). Speak to Me: Interacting with a Spoken Language Interface. In International Conference on Human-Computer Interaction (pp. 194-211). Springer, Cham.

23. Hernández, S., Baloian, N., Pino, J. A., & **Yuan, X.-J.** (2018). A Teacher Dashboard for Real-time Intervention. The 4th IEEE International Conference on Collaboration and Internet Computing, Oct 18 - 20, 2018. Philadelphia, Pennsylvania, USA. 227-235.

24. Yang, W. Y., Chow, S. K. K., & **Yuan, X. J.** (2018, May). The Structural Design Computer Model-based Games for Assisting Mathematics Classroom Learning. In Proceedings of the 2018 International Conference on Distance Education and Learning (pp. 54-58).

25. **Yuan, X.-J.,** & Sa, N. (2016). User query behaviour in different task types in a spoken language vs. textual interface: A Wizard of Oz experiment. The Proceeding of ISIC 2016, the Information Behaviour Conference, Zadar, Croatia.

26. **Yuan, X.-J.,** Sa, N., Begany, G., & Yang, H. (2016, January). Presentation styles on user perceived usefulness in opinion summarization. In 2016 49th Hawaii International Conference on System Sciences (HICSS) (pp. 4773-4781). IEEE

27. **Yuan, X.-J.,** Yang, H., Moorhead, K., DeMers, K. (2015). Evaluating an education department portal: A case study. Design, User Experience, and Usability: Interactive Experience Design. Lecture Notes in Computer Science, Volume 9188, 2015, pp 240-247. Springer International Publishing.

28. **Yuan, X.-J.,** Sa, N., Begany, G., & Yang, H. (2015). What users prefer and why: A user study on effective presentation styles of opinion summarization. (acceptance rate 29.6%) Chapter Human-Computer Interaction – INTERACT 2015, Volume 9297 of the series Lecture Notes in Computer Science, pp 249-264. Springer International Publishing.

29. Begany, G., Sa, N., & **Yuan, X.-J.** (2014). Factors affecting user perception of a spoken language vs. textual interface: A content analysis. *International Symposium on Interation Design and Human Factors (IDHF 2014),* Kochi, Japan, November 24-26, 2014. Recommended to the Journal of Interacting with Computers.

30. Sa, N., & **Yuan, X.-J.** (2014). Sources of noise in interactive information search. In *Proceedings of ISIC, the Information Behaviour Conference, Leeds, 2-5 September, 2014: Part 2*, (paper isicsp11). Retrieved from http://InformationR.net/ir/20-1/isic2/isicsp11.html (Archived by WebCite® at http://www.webcitation.org/6WxJWRw9h)

31. **Yuan, X.-J.,** & Liu, J. (2013). Relationship between cognitive styles and users' task performance in two information systems. *Proceedings of the American Society for Information Science and Technology*, *50*(1), 1-10.

32. **Yuan, X.-J.** (2013). Investigating the effect of visualization on user performance of information systems. Design, *User Experience, and Usability. Web, Mobile, and Product Design: Lecture Notes in Computer Science.* Volume 8015, 2013, pp 591-600. Springer Berlin Heidelberg.

33. **Yuan, X.-J.,** Chen, C., Zhang, X., Avery, J., & Xu, T. (2013). Effects of domain knowledge on user performance and perception in a knowledge domain visualization system. *User Experience, and Usability. Web, Mobile, and Product Design: Lecture Notes in Computer Science,* Volume 8015, 2013, pp 601-610. Springer Berlin Heidelberg.

34. Sa, N., & **Yuan, X.-J.** (2013). What Motivates People Use Social Tagging. *Online Communities and Social Computing Online Communities and Social Computing Lecture Notes in Computer Science*, Volume 8029, 2013, pp 86-93. Springer Berlin Heidelberg.

35. Cotler, J., Kassab, D., & **Yuan, X.-J.** (2012). Under what conditions does web conferencing inhibit learning in a computer science classroom? *Consortium for Computing Sciences in Colleges, Northeastern Region (CCSNE)*, Loudonville, NY, April 12-13, 2013.

36. **Yuan, X.-J.,** & White, R. (2012). Building the trail best traveled: Effects of domain knowledge on web search trailblazing. *Proceedings of the ACM SIGCHI Conference on Human Factors in Computing Systems (CHI 2012).* Austin, Texas, USA, May 2012. (Acceptance rate 23%)

37. Liu, J., Liu, C., **Yuan, X.-J.** *&* Belkin, N.J. (2011). Understanding searchers' perception of task difficulty: Relationships with task type. *Proceedings of the Annual Conference of the American Society for Information Science & Technology (ASIS&T2011) (*10 p.). New Orleans, LA, October 9-13, 2011.

38. **Yuan, X.-J.,** & Belkin, N.J. (2007). Supporting multiple information strategies in a single system framework. In: C.L.A. Clarke, N. Fuhr, N. Kando, W. Kraaij, A.P. de Vries (Eds.), *Proceedings of the 30th Annual International ACM SIGIR Conference on Research and Development in Information Retrieval*. SIGIR 2007 (pp. 247-254). New York: ACM. (Acceptance rate 17%)

39. Belkin, N.J., Cool, C., Kelly, D., Kim, G., Kim, J.-Y., Lee, H.-J., Muresan, G., Tang, M.-C., **Yuan, X.-J.** (2003). Query length in interactive information retrieval. In *Proceedings of the 24th Annual International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR '03),* Toronto, Canada, 205-212. (Acceptance rate 18%)

40. Wacholder, N., Sharp, M., Liu, L, **Yuan, X.-J.**, Song, P. (2003). Experimental study of index terms and information access. In *Proceedings of the Annual Conference of the American Society for Information Science and Technology (ASIST '03),* Long Beach, CA, 184-192.

41. **Yuan, X.-J.,** Ren, J.-C., Ma, X.-Y., Du, W., Li H., Liu, S.-Q. *(1999).* Fractional-level zooming of multiresolution images. *ICYCS'99, Advances in Computer Science and Technology*, vol. II, International Academic Publishers, 825-829.

Refereed Conference Posters

1. Bennett-Gayle, D., & **Yuan, X.** (2023, July). Older Adults Decision-Making During the COVID-19 Infodemic. In International Conference on Human-Computer Interaction (pp. 22-31). Cham: Springer Nature Switzerland.

2. **Yuan, X.,** Bennett Gayle, D., Dadson, Y., & Jung, E. (2022). Perception and Use of COVID Contact Tracing Mobile Applications in New York State (NYS). *Proceedings of the Association for Information Science and Technology*, *59*(1), 845-847.

3. Udoh, E., **Yuan, X.-J.** & Rorissa, A., & (2022). Rethinking Algorithmic Fairness in the Context of Information Access. T*he Annual Conference of the American Society for Information Science & Technology (ASIS&T 2022).*

4. Dubois, E., & **Yuan, X.** (2022). Can Social Companionship Mitigate the Progression of Alzheimer's? 2021 Aging and Health Informatics Conference (AHIC), December 6-7, 2021, Virtual Conference.

5. **Yuan, X. J.,** & Ren, X. (2021, July). Older Adults' Voice Search through the Human-Engaged Computing Perspective. In International Conference on Human-Computer Interaction (pp. 300-307). Springer, Cham.

6. Xing, Z., & **Yuan, X.-J.** (2019). How older adults perceive voice search? A pilot investigation using a crowdsourcing approach. *The Aging and Health Informatics Conference (AHIC),* Austin, Texas, December 11, 2019. (Best Poster Award)

7. Xing, Z., Yu, F., & **Yuan, X.-J.** (2019). Research on Voice Search Behavior in the Last 10 Years. *Proceedings of the Annual Conference of the American Society for Information Science & Technology (ASIS&T 2019),* Melbourne, Australia.

8. Sa, N., & **Yuan, X.-J.** (2017). Improving voice interaction through examining user voice search behavior: An empirical study. Chinese CHI 2017, Guangzhou, China, June 7 - 9.

9. Sa, N., **& Yuan, X.-J.** (2017). Learning from users' web search behavior: The effect of reading order on document usefulness. Chinese CHI 2017, Guangzhou, China, June 7 - 9.
10. Geng, Q., **& Yuan, X.-J.** (2017). Investigating the Effects of Color and Task Type on College Students' Performance and Emotion of Web Interfaces. Chinese CHI 2017, Guangzhou, China, June 7 - 9.
11. Sa, N., **Yuan, X.-J.,** Begany, G., & Yang, H. (2015). Distribution of perceived usefulness of four presentation styles of opinion summarization. iConference 2016, Philadelphia, PA, USA March 20-23.
12. **Yuan, X.-J.,** Belkin, N.B., & Sa, N. (2013). Speak to Me: A wizard of Oz study on a language spoken interface. *Symposium on Human-Computer Interaction and Information Retrieval (HCIR 2013).* Vancouver, BC, Canada, October 3-4. https://sites.google.com/site/hcirworkshop/hcir-2013/short-papers
13. Kassab, D., **Yuan, X.-J.,** & Cotler, J. (2013). Social networking using mobile devices. *HCI International 2013 - Posters' Extended Abstracts Communications in Computer and Information Science.* Volume 374, 2013, pp 359-364.
14. **Yuan, X.-J.** (2012). Investigating the Effect of Visualization on User Performance of Information Systems. *Symposium on Human-Computer Interaction and Information Retrieval (HCIR 2012)*, Boston, October 4-5, 2012.
15. **Yuan, X.-J.,** Chen, C., Zhang, X., Avery, J., & Xu, T. (2012). Effects of domain knowledge on user task performance in a knowledge domain visualization system. *Symposium on Human-Computer Interaction and Information Retrieval (HCIR 2012)*. Boston, October 4-5, 2012.
16. Zhang, X., Liu, J., **Yuan, X.-J.,** Cole, M. J., Belkin, N.-J., Liu, C. (2012). Do users with different domain knowledge select different sets of documents? *Symposium on Human-Computer Interaction and Information Retrieval (HCIR 2012)*, Boston, October 4-5, 2012.
17. **Yuan, X.-J.,** Belkin, N.J., Jordan, C., & Dumas, C (2011). Design of a study to evaluate the effectiveness of a spoken language interface to information systems. *Proceedings of the Annual Conference of the American Society for Information Science & Technology (ASIS&T 2011)*, (10 p.). New Orleans, LA, October 9-13, 2011.
18. **Yuan, X.-J.** (2011). A comparative experiment of the effect of visualization on user performance of information systems. *Proceedings of the Annual Conference of the American Society for Information Science & Technology (ASIS&T 2011)*, (10 p.). New Orleans, LA, October 9-13, 2011.
19. Hu, X., Kando, N., **Yuan, X.-J.** (2011). User evaluation of an interactive music information retrieval system. *Proceedings of the 5th Workshop on Human-Computer Interaction and Information Retrieval (HCIR'11),* Mountain View, California, October 20, 2011.
20. **Yuan, X-J.**, Belkin, N. J., Jordan, C., & Dumas, C. (2011). A user study on improving the effectiveness of a spoken language interface to information systems. *Proceedings of the 5th Workshop on Human-Computer Interaction and Information Retrieval (HCIR'11),* October 20, 2011, Mountain View, California.
21. **Yuan, X-J.**, Liu, J. (2011). An exploratory study of the effect of cognitive styles on user performance in an information system. *Proceedings of the 5th Workshop on Human-Computer Interaction and Information Retrieval (HCIR'11),* October 20, 2011, Mountain View, California.

22. Kassab, D., **Yuan, X.-J.** (2011). Understanding the information needs and search behaviors of mobile users. *Proceedings of the 5th Workshop on Human-Computer Interaction and Information Retrieval (HCIR'11),* October 20, 2011, Mountain View, California.

23. **Yuan, X.-J.,** Zhang, X.-M., & Trofimvosky, A. (2010). Testing visualization on the use of information systems. *Proceedings of Information Interaction in Context Symposium* (IIix 2010), Rutgers, New Jersey, USA, pp. 365 - 369.

24. Kelly, D., **Yuan, X.-J.,** Belkin, N. J., Murdock, V., & Croft, W. B. (2002, November). Features of documents relevant to task-and fact-oriented questions. In *Proceedings of the eleventh international conference on Information and knowledge management* (pp. 645-647). ACM.

25. **Yuan, X.-J.,** Belkin, N.J., Kim, J. (2002). The relationship between ASK and relevance criteria. *Proceedings of the 24th Annual International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR '02),* Tampere, Finland, 359-360.

Non-Refereed Conference Posters

1. Guo, Q., **Yuan, X.-J.**, & Bennett Gayle, D. (2024). Older adults and mental health, personal intelligent agents. World Mental Health Day, BILPOC, October 10, 2024.

2. Edwards, N., Dadson, Y., Bennett Gayle, D., & **Yuan, X.-J.** (2024). Discussions on COVID-19 Mobile Apps: Foscus Group insights into Mental Health in New YorkState (NYS). World Mental Health Day, BILPOC, October 10, 2024.

3. Sa, N., & **Yuan, X.-J.** (2016). The usage of voice search: a survey study. The *4th New York Celebration of Women in Computing 2016*, Lake George, NY, April 8-9, 2016.

4. Sa, N., & **Yuan, X.-J.** (2015). The effects of task domain and task type on the usefulness assessment of web pages. The *3rd New York Celebration of Women in Computing 2015*, Syracuse, NY, April 17-18, 2015.

5. Geng, Q., & **Yuan, X.-J.** (2015). Different mindsets: Engineers vs Designers vs Others. The *3rd New York Celebration of Women in Computing 2015*, Syracuse, NY, April 17-18, 2015. (First poster prize winner)

6. Begany, G., Mirzaei, K., & **Yuan, X.-J.** (2014). Investigating Health Information Behavior: A Mobile Diary Study. *New Trends in Computing and Informatics Research, the Seventh Annual Informatics Spring Research Conference*, Albany, NY, April 27, 2014.

7. Allegretti, P., Tanski, M. & **Yuan, X.-J.** (2013). Graphical gesture Tutorials for Mobile Touch Screen Devices. *New Trends in Computing and Informatics Research, the Eighth Annual Informatics Spring Research Conference*, Albany, NY, April 1, 2013.

8. **Yuan, X.-J.,** Belkin, N.B., & Ning, S. (2013). Speak to me: A wizard of Oz study on a language spoken interface**,** *the First International Symposium of Chinese CHI (Chinese CHI* 2013), Paris, France, April 27-29, 2013.

9. Kassab, D., & **Yuan, X.-J.,** Cotler, J. Social networking using mobile devices. The *2nd New York Celebration of Women in Computing 2013*, Albany, NY, April 19-20, 2013.

10. **Yuan, X.-J.,** Belkin, N.B., & Ning, S. (2013). Interacting with a Language Spoken Interface to Information Systems. The *2nd New York Celebration of Women in Computing 2013*, Albany, NY, April 19-20, 2013.

11. Sa, N., & **Yuan, X.-J.** (2012). Social search in human computer interaction and information retrieval. *The Grace Hopper Celebration of Women in Computing, Baltimore*, Maryland, October 3-6, 2012.

12. **Yuan, X.-J.,** & Dumas, D. (2011). Designing a spoken language interface to information systems. *New Trends in Computing and Informatics Research, the Sixth Annual Informatics Spring Research Conference*, Albany, NY, April 1, 2011.
13. Sa, N., & **Yuan, X.-J.** (2012). Social search in human computer interaction and information retrieval. *New Trends in Computing and Informatics Research, the Seventh Annual Informatics Spring Research Conference*, Albany, NY, April 27, 2012.
14. Kassab, D., & **Yuan, X.-J.** (2012). Understanding the information needs and search behaviors of mobile user. *New Trends in Computing and Informatics Research, the Seventh Annual Informatics Spring Research Conference*, Albany, NY, April 27, 2012.
15. Li, P., Yan, H. & **Yuan, X.-J.** (2012). Field study on urban laid-off workers' information behaviors. *New Trends in Computing and Informatics Research, the Seventh Annual Informatics Spring Research Conference*, Albany, NY, April 27, 2012.

Book

1. **Yuan, X.,** Wu, D., & Gayle, D. B. (Eds.). (2025). *Social Vulnerability to COVID-19: Impacts of Technology Adoption and Information Behavior, 2nd Edition*. Springer. (Contracted)
2. **Yuan, X.,** Wu, D., & Gayle, D. B. (Eds.). (2023). *Social Vulnerability to COVID-19: Impacts of Technology Adoption and Information Behavior*. Springer.
3. Bennett Gayle, D., & **Yuan, X.-J.** (2023). Empowered or Left Behind: Use of Technology during COVID-19. Taylor and Francis Publisher.

Book Chapters

1. **Yuan, X.-J.,** Wang, C. (2023). 第 8 章 信息交互与人机共协计算. Chapter 8: Information Interaction and Human-Engaged Computing. In "人机共协计算." Human-Engaged Computing edited by Ren, X. Tsinghua University Publisher (In Chinese).
2. Bennett Gayle, D., **Yuan, X.-J.,** Knight, T., & Dubois, E. (2023). Addressing Differential Impacts of Covid-19 in NYS: COVID-19, Technology, and the Digital Divide: Implications for NYS. *Addressing Differential Impacts of COVID-19 in NYS.* Edited by Dr. Rodríguez, Dr. Bennett Gayle, Dr. Holtgrave, Dr. Pardo and Dr. Warner, SUNY University Press. http://hdl.handle.net/20.500.12648/8472
3. Dubois, E., & **Yuan, X.-J.** (2023). Addressing Differential Impacts of Covid-19 in NYS: The Impact of COVID-19 Related Anti-Asian Rhetoric and Racial Discrimination on the Mental Health of Asian Americans. *Addressing Differential Impacts of COVID-19 in NYS.* Edited by Dr. Rodríguez, Dr. Bennett Gayle, Dr. Holtgrave, Dr. Pardo and Dr. Warner, SUNY University Press. http://hdl.handle.net/20.500.12648/8416
4. Bennett Gayle, D., **Yuan, X.-J.** (2023). Chapter 1: Introduction, in book "Social Vulnerability to COVID-19: Impacts of Technology Adoption and Information Behavior" edited by Yuan, Wu & Bennett Gayle, Springer Nature.
5. Bennett Gayle, D., **Yuan, X.-J.,** Dubois, E. (2023). Chapter 2: Technological Innovations in Response to COVID-19: Research Agenda Considering Marginalized Populations, in book "Social Vulnerability to COVID-19: Impacts of Technology Adoption and Information Behavior" edited by Yuan, Wu & Bennett Gayle, Springer Nature.

6. **Yuan, X.-J.,** Bennett Gayle, D., Knight, T., Dubois, E. (2023). Chapter 3: Adoption of Artificial Intelligence Technologies by often Marginalized Populations, in book "Social Vulnerability to COVID-19: Impacts of Technology Adoption and Information Behavior" edited by Yuan, Wu & Bennett Gayle, Springer Nature.
7. Knight, T., **Yuan, X.-J.,** Bennett Gayle, D., LaForce, S. (2023). Chapter 7: Responding to COVID-19: Privacy Implications of the Rapid Adoption of ICTs, in book "Social Vulnerability to COVID-19: Impacts of Technology Adoption and Information Behavior" edited by Yuan, Wu & Bennett Gayle, Springer Nature.
8. **Yuan, X.-J.,** Pino**,** J. A. (2017). Cyber behaviors in seeking health information. Encyclopedia of Information Science and Technology-4th ed, IGI Global, 3745-3755.
9. **Yuan, X.-J.,** & Dumas, C. (2012). Cyber behaviors in seeking information. *Encyclopedia of Cyber Behavior*. IGI Global, 365-382, Web. 11Dec. 2012, DOI: 10.4018/978-1-4666-0315-8.ch031.

Doctoral Dissertations

1. **Yuan, X.-J.** (2007). *Supporting Multiple Information-Seeking Strategies in a Single System Framework.* Unpublished Ph.D. Dissertation, Rutgers University, New Brunswick.
2. **Yuan, X.-J.** (2000). *Key technologies of Multi-resolution Based Large-scale Graphics and Image Processing.* Unpublished Ph.D. Dissertation. Institute of Computing and Technology, Chinese Academy of Sciences. (In Chinese)

Refereed Conference Workshops/Symposiums

1. Li, X., and **Yuan, X.-J.** (2023). Teens' information behavior in dealing with mental health issues. *The 23rd Annual SIG-USE Research Symposium, the 86th Annual Conference of the American Society for Information Science and Technology (ASIS&T),* London, October, 2023.
2. **Yuan, X.-J.,** and Bennett Gayle, D. (2023). Creating a personal intelligent agent tailored for older adults. *The 23rd Annual SIG-USE Research Symposium, the 86th Annual Conference of the American Society for Information Science and Technology (ASIS&T),* London, October, 2023.
3. Bennett Gayle, D., and **Yuan, X.-J.** (2023). Empowered or Left Behind: Use of Technology during COVID-19. *The 23rd Annual SIG-USE Research Symposium, the 86th Annual Conference of the American Society for Information Science and Technology (ASIS&T),* London, October, 2023.
4. **Yuan, X.-J.,** Ansari, B., Barati, M., Yankson, B., Caramancion, K., Berg, G., and Bennett Gayle, D. (2021). Designing Responsible AI Systems for Older Adults: Opportunities and Challenges. SIGAI-Workshop on AI in Information Research and Practice: Fostering Interconnected Communities, *the Annual Conference of the American Society for Information Science and Technology (ASIS&T),* Salt Lake*,* October 30, 2021.
5. Caramancion, K., **Yuan, X.-J.** (2021). Predicting the Upcoming Topics and Actors of Fake News. SIGAI-Workshop on AI in Information Research and Practice: Fostering Interconnected Communities, *the Annual Conference of the American Society for Information Science and Technology (ASIS&T),* Salt Lake*,* October 30, 2021.

6. **Yuan, X.-J.** (2015). Improving user experience through task design and evaluation metrics in research projects. *Workshop "The Landscape of UX Requirements Practices"* in *INTERACT 2015*, Bamberg, Germany, September 14 – 18, 2015.
7. Begany, G., Mirzaei, K., & **Yuan, X.-J.** (2014). Investigating health information behavior: A mobile diary study. *Workshop on "Designing the Future of Mobile Healthcare Support" in Mobile HCI 2014,* Toronto, Canada, September 23-26.
8. **Yuan, X-J.**, Belkin, N. J. (2011). Supporting complex tasks in a spoken language interface. Workshop in *the 32th Annual International ACM SIGIR Conference on Research and Development in Information Retrieval, SIGIR 2011 Entertain Me Workshop*, Beijing, China, July 2011.
9. **Yuan, X-J.**, Chen, C., Zhang, X., and Xu, T. (2009). What have we learned from users of visualization systems? *Workshop "Understanding the Users" in* the *32th Annual International ACM SIGIR Conference on Research and Development in Information Retrieval* (SIGIR 2009), Boston, July 2009.

Panel Organization

- Chen, Y., Xie, B., **Yuan, X.-J.,** Zhou, X., & Zheng, K. (2012). Challenges and opportunities in consumer health informatics for older adults: Interdisciplinary viewpoints. *The American Medical Informatics Association (AMIA)*, Chicago, November 2012.
- Rorissa, A., Li, M., Young, M., Turetsky, D., & **Yuan, X.-J.** (2020). Reimagining Information Science and Technology Beyond Traditional Boundaries in the Global Coronavirus Pandemic Situation, *the Annual Conference of the American Society for Information Science & Technology (ASIS&T),* October, 2020.

Workshop Organization

1. **Yuan, X.-J.,** Li, X., Bennett Gayle, Liu, C., & Udoh, E. (2024). Artificial Intelligence and Mental Health. iConference Workshop 2024, Changchun, China, Hybrid Conference.
2. **Yuan, X.-J.,** Bennett Gayle, D. Rorissa, A., D. Berg G., Wu, D. (2022). Artificial Intelligence and Inequities Amid COVID-19. iConference Workshop 2022, Virtual Conference.
3. **Yuan, X.-J.,** Bennett, D., Dubois, E., Wu, D. (2021). Supporting and Engaging Diverse and Vulnerable Populations with Technology Adoption Amid COVID-19. iConference Workshop 2021, Virtual Conference.
4. Bennett, D., Knight, T., Dubois, E., Khurana, P., Wild, D., Laforce, S., **Yuan, X.-J.** (2020). NSF CONVERGE Working Group, COVID-19 Global Research Registry for Public Health and Social Sciences Technological Innovations in Response to COVID-19. This COVID-19 Working Group effort was supported by the National Science Foundation-funded Social Science Extreme Events Research (SSEER) Network and the CONVERGE facility at the Natural Hazards Center at the University of Colorado Boulder (NSF Award #1841338). https://converge.colorado.edu/v1/uploads/images/technological_innovations_covid_19-1595254567781.pdf   https://converge.colorado.edu/resources/covid-19/working-groups/issues-impacts-recovery/technological-innovations-in-response-to-covid-19

5. Yunan Chen, Bo Xie, **Xiaojun Yuan**, Xiaomu Zhou, Kai Zheng (2012). Challenges and Opportunities in Consumer Health Informatics for Older Adults: Interdisciplinary Viewpoints. AMIA 2012.

University-Level Workshop/Seminar Participation

1. Poster chair, World Mental Health Day, ETEC First Floor, October 10, 2024
2. BILPOC Lifting, Climbing and Thriving Conference, April 25, 2024
3. "Publish & Flourish: Become a Prolific Scholar", BILPOC Writing retreat, In collaboration with Textbook & Academic Authors Association (TAA) May 5, 2023
4. Research event representing BILPOC, Research Resources Fair, 2023 Inaugural Research & Entrepreneurship (R&E) Week, October 2023
5. The 2020-2021 Proposal Writing Seminar Series, Co-Organized by University at Albany (Satyen Kumar, Associate Vice President for Research), and SUNY-Binghamton (Michael Jacobson, Director of Office for Strategic Research Initiatives), Virtual Event, September 2020 – Present.
6. SUNY Online Summit, Virtual Event, February 22 – 26, 2021.
7. ITLAL Online Teaching Workshop, Virtual Event.
8. ITLAL Course Design Academy, June 4-11, 2021 (Virtual).
9. 2021 Summer Symposium: Differential Impacts of COVID-19 in New York State. Organized by Dr. Rodríguez, Dr. Bennett Gayle, Dr. Holtgrave, Dr. Pardo and Dr. Warner. University at Albany, SUNY, June 21 and June 28, 2021.

TREC (Text REtrieval Conference) (Non-Refereed)

1. **Yuan, X.-J.**, Liu, J., Sa, N. (2012). UAlbany & USC at session track in TREC 2012. In D. Harman & E. Voorhees (Eds.), *TREC2012, Proceedings of the Twenty-First Text Retrieval Conference*. Washington, D.C.: GPO.
2. Belkin, N.J., Cole, M., Gwizdka, J., Li, Y.-L., Liu, J.-J., Muresan, G., Roussinov, D., Smith, C. L., Taylor, A., **Yuan, X.-J.** (2005). Rutgers information interaction lab at TREC 2005: Trying HARD. In D. Harman & E. Voorhees (Eds.), *TREC2005, Proceedings of the Fourteenth Text Retrieval Conference*. Washington, D.C.: GPO.
3. Belkin, N. J., Kelly, D.**,** Lee, H.-J., Li, Y.-L., Muresan, G., Tang, M.-C., **Yuan, X.-J.,** and Zhang, X.-M. (2004). Rutgers' HARD experiences at TREC 2004. In D. Harman & E. Voorhees (Eds.), *TREC2004, Proceedings of the Thirteenth Text Retrieval Conference*. Washington, D.C.: GPO.
4. Belkin, N. J., Kelly, D.**,** Lee, H.-J., Li, Y.-L., Muresan, G., Tang, M.-C., **Yuan, X.-J.,** and Zhang, X.-M. (2003). Rutgers' HARD and Web Interactive Track experiences at TREC 2003. In D. Harman & E. Voorhees (Eds.), *TREC2003, Proceedings of the Twelfth Text Retrieval Conference*. Washington, D.C.: GPO.
5. Belkin, N. J., Cool, C., Kelly, D., Kim, G., Kim, J., Lee, H.-J., Muresan, G., Tang, M.-C., & **Yuan, X.-J.** (2002). Rutgers' Interactive Track at TREC 2002. In D. Harman & E. Voorhees (Eds.), *TREC2002, Proceedings of the Eleventh Text Retrieval Conference*. Washington, D.C.: GPO.
6. Belkin, N. J., Cool, C., Jeng, J., Keller, A., Kelly, D., Kim, J., Lee, H.-J., Tang, M.-C., & **Yuan, X.-J.** (2001). Rutgers' TREC 2001 Interactive Track experience. In D. Harman & E.

Voorhees (Eds.), *TREC2001, Proceedings of the Tenth Text Retrieval Conference.* Washington, D.C.: GPO.

Doctoral Seminars

1. **Yuan, X.-J.** (2006). Supporting multiple information-seeking strategies in a single system framework. In *Proceedings of the HLT-NAACL 2006.* Human Language Technology-North American Association for Computational Linguistics Conference, June, 2006, doctoral consortium, New York City, NY, USA.
2. **Yuan, X.-J.** (2004). Supporting multiple information-seeking strategies in a single system framework. In *Proceedings of the 26th Annual International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR'04)*, doctoral consortium, Sheffield, England.
3. **Yuan, X.-J.** (2004). Supporting multiple information-seeking strategies in a single system framework. *Conference of Information Seeking in Context* (*ISIC'04), doctoral workshop,* Dublin, Ireland.
4. **Yuan, X.-J.** (2004). Supporting multiple information-seeking strategies in a single system framework. *Proceedings of Annual Conference of the American Society for Information Science and Technology (ASIST '04),* doctoral seminar, Providence, RI, USA.

Podium Presentation

1. Knight, T., **Yuan, X.-J.,** Bennett Gayle, D. (2021). Privacy Technology and Older Adults: A Prisma Review. 2021 Aging and Health Informatics Conference (AHIC), December 6-7, 2021, Virtual Conference.
2. Dubois, E., **Yuan, X.-J.,** Bennett Gayle, D., Knight, T. and Khurana, P. (2021). Older Adults Use of Technology for Decision-Making: A Systematic Literature Review. 2021 Aging and Health Informatics Conference (AHIC), December 6-7, 2021, Virtual Conference.

Lightning Talks

1. Li, X., & **Yuan, X.-J.** (2023). Information Resources and Services for Mental Health Needs in Communities - A Collaborative Research Project. The MAC 2023 Annual Meeting, Pittsburg, PA., October 15-17.
2. Guo, Q., **Yuan, X.-J.**, & Bennett Gayle, D. (2024). Can Personal Intelligent Agents Help Older Adults in Dealing with Mental Health? SIGUSE Symposium (October 4 online), ASIS&T 2024, Calgary, Canada, October 26-30.
3. Dadson, Y., Bennett Gayle, D., & **Yuan, X.-J.** (2024). Analyzing Public Reactions to the April 2024 Northeast U.S. Earthquakes Using YouTube: Implications for People-Centric Risk Communication. SIGUSE Symposium (October 4 online), ASIS&T 2024, Calgary, Canada, October 26-30.
4. Yang, F., & **Yuan, X.-J.** (2024). AI-Assisted Zen: Investigating the Mental Health Implications of Medication with Social Robots. SIGUSE Symposium (October 4 online), ASIS&T 2024, Calgary, Canada, October 26-30.

AWARDED

1. **PReparing Older Adults: Communicating Threat risk In Virtual Environments (PRO-ACTIVE).**
   Co-PI.
   PI: DeeDee Bennett Gayle (University at Albany – SUNY)
   Other Co-PIs: Salimah LaForce (Georgia Institute of Technology), Mwarumba Mwavita (Oklahoma State University)
   National Science Foundation (CMMI, $549,953 awarded in July 2024, Award Number:2425223)

2. **Emergency Management Preparedness and Technology.**
   Co-PI.
   PI: DeeDee Bennett Gayle (University at Albany – SUNY)
   FEMA Higher Ed program. $10,000 awarded, 2023-2024

3. **NYCAD: New York Center for Analytics in Disasters**
   Senior Personnel. *($50,000 granted)*
   Project Leads: DeeDee Bennett Gayle (CEHC), Dola Saha (CEAS), Shao Lin (SPH), and Jerald Brotzge (ASRC)
   Team Members: Eric Stern (CEHC), Alex Greer (CEHC), George Berg (CEHC), Xiaojun (Jenny) Yuan (CEHC), Yanna Liang (CEAS), Jeff Freedman (ASRC), Erin Bell (SPH), Xiaobo Romeiko (SPH), Kai Zhang (SPH)
   UAlbany Signature Strengths, University at Albany, 2022

4. **Use, Privacy, and Perceptions of Contact Tracing and Vaccination Apps during COVID-19**
   Co- Principal Investigator. The President's COVID-19 and Minority Health Disparities Seed Funding Program, UAlbany, 2021 *($4000 granted)*

5. **Designing a personal intelligent agent to relieve the mental stress of socially vulnerable populations**
   Principal Investigator. Initiatives For Women (IFW) Endowment Awards *($1000 granted)*
   Initiatives For Women Program, 2021

6. **Older Adults and COVID-19.**
   Co-PI. PI: DeeDee Bennett (SUNY-Albany) *($5,000 granted)*
   SUNY COVID-19 Seed Grant Program, 2019-2020 (SUNY Award #COVID202053)

7. **Speak to Me: A Spoken Language Interface to Information Systems (Funded)**
   Principal Investigator. September 2010 - August 2012. (*$325,780 granted*)
   Institute of Museum and Library Services Early Career Award

8. **Exploring Visualization Techniques in Evaluation of Music Information Retrieval Systems (Funded)**
   Principal Investigator. May 2011 - April 2014. (*$1,979 awarded*)
   University at Albany Faculty Research Awards Program (FRAP B), University at Albany, SUNY

9. **A Wizard of Oz Study for Investigating the Efficacy and Usability of Spoken and Gestural Interaction with Information Systems (Funded)**
   Principal Investigator. April 2009 - April 2010. (*$1,583 awarded*)

University at Albany Faculty Research Awards Program (FRAP B), University at Albany, SUNY

10. **Usability Analysis for New York State Education Department (Funded)**
    Principal Investigator. May 2008 - December 2009. (*$23,612.16 granted*)
    New York State Education Department

11. **Improving Information System Performance by Employing Information Visualization Techniques (Funded)**
    Principal Investigator. April 2007 - April 2008. (*$10,000 awarded*)
    University at Albany Faculty Research Awards Program (FRAP A), University at Albany, SUNY

SUBMITTED

12. **Designing a National AI Infrastructure for Disaster Response**
    Co-PI.
    PI: Olfa Nasraoui (University of Louisville)
    Other Co-PIs: Chirag Shah (university of Washington), Hemant Purohit (George Mason University), Abdullah-Al-Zubaer Imran (University of Kentucky)
    National Science Foundation. NSF 24-598: Mid-scale Research Infrastructure-1 (Mid-scale RI-1). Preliminary proposal submitted on November 18, 2024 ($3M requested in total, and $346,181 requested by UAlbany)

13. **Transforming Food Donation Systems: Advancing Environmental Sustainability and Nutritional Equity Using Multimodal Artificial Intelligence**
    Co-PI
    PI: Xiaobo Xue Romeiko (University at Albany – SUNY)
    Other Co-PIs: Xin Li (UAlbany), Janine Jurkowski (UAlbany)
    Co-Is: Sauleh Siddiqui (UAlbany), Hosler, Akiko (UAlbany), Xin Wang (UAlbany)
    The United States Department of Agriculture (USDA) (Submitted on November 14, 2014, $800k requested)

14. **Fostering a Sense of Belonging: Harnessing the Potential of Immigrant Communities for Climate Resilience in the Hudson Valley.**
    PI.
    Co-PI: DeeDee Bennett Gayle
    THE HUDSON RIVER FUND 2024 Funding Cycle - Social Science Research Addressing Priority Areas of Interest (Submitted in August 2024) (not funded)

15. **CIVIC-PG Track B: Transforming Food Donation Systems: Advancing Environmental Sustainability and Nutritional Equity Using Multimodal Artificial Intelligence.**
    Co-PI.
    PI: Xiaobo Xue Romeiko (University at Albany – SUNY)
    Other Co-PIs: Xin Li (UAlbany), Janine Jurkowski (UAlbany)
    Co-Is: Sauleh Siddiqui (UAlbany), Hosler, Akiko (UAlbany), Xin Wang (UAlbany)
    National Science Foundation (Submitted on 05/01/2024) ($75,000 requested, planning grant) (not funded)

16. **PReparing Older Adults: Communicating risk In Virtual Environments (PRO-ACTIVE).**

Co-PI.
PI: DeeDee Bennett Gayle (University at Albany – SUNY)
Other co-PIs: Salimah LaForce (Georgia Institute of Technology), Mwarumba Mwavita (Oklahoma State University)
National Science Foundation. (Submitted in April 2024, $1,314,102 requested)

17. **Assess long-term impacts of extreme weather-related disasters on urgent health care systems, and identify disparities and best practices to protect vulnerable populations.**
Co-I.
PI: Shao Lin (University at Albany – SUNY)
Other Co-Is: DeeDee Bennett Gayle, Dola Saha, Howard Chang (Emory University), Wangjian Zhang (SYS University), Xiaobo Romeiko (UAlbany), Ben Shaw (University of Illinois Chicago), Scott Sheridan (Kent State University)
National Institute of Health. (Submitted on May 2023) (Application #: 1R01MD019198-01A1). Respond to NIH R01 PA-20-172 RFA. https://grants.nih.gov/grants/guide/pa-files/PA-20-172.html

18. **NIH P20 Exploratory Climate-Health Center**
Co-I.
PI: Shao Lin (University at Albany – SUNY)
Co-PIs: Christopher Thorncroft (UAlbany), Samantha Penta (UAlbany)
Other Co-Is: Xin Wang (UAlbany)
National Institute of Health. (Submitted in Summer 2023, $733,015 requested)

19. **BILPOC: SPARK.**
Co-PI.
PI: Carmen Serrano
Other Co-PIs: DeeDee Bennett Gayle, Elizabeth Vasquez, Jared Enriquez, Mila Gasco Hernandez, Jonathan Dirlam, and Luis Luna-Reyes
National Science Foundation. (Submitted on 12/04/2023, Not Funded)

20. **Hi Alexa, Can You Really Help ME? – Toward Designing a Personalized Voice-Enabled Personal Intelligent Agent.**
Principal Investigator.
University at Albany Faculty Research Awards Program (FRAP A), University at Albany, SUNY, 2023-2024 ($20,896 requested, Not Funded)

21. **Conference on Resilience, Empowerment, Accessibility, and Technological Evolution (CREATE).** Diversity Transformation Award, Office of Diversity and Inclusion, University at Albany, SUNY, 2023-2024 ($3800 requested) (Not Funded)

22. **Inclusion, Diversity, Equity, and Access (IDEA) during Disasters (Hybrid) Workshop.** Diversity Transformation Award, Office of Diversity and Inclusion, University at Albany, SUNY, 2023-2024 ($3800 requested) (Not Funded)

23. **Older Adults and People with Disabilities for Extreme Events Resilience and Actions (OPERA)**
Team Members:
DeeDee Bennett Gayle, Associate Professor, University at Albany, SUNY, PI; Victoria Ramenezoni, Rutgers University; Jenniffer Santos-Hernandez, University of Puerto Rico-Rio Piedras; Xiaojun Yuan, Associate Professor, University at Albany, SUNY, $100k requested

National Science Foundation. Planning grant for CRISES Center, Submitted on May 26, 2023

24. **PReparing Older Adults: Communicating risk In Virtual Environments (PRO-ACTIVE).**
Co-PI.
PI: DeeDee Bennett Gayle (University at Albany – SUNY), co-PI: Maureen Linden (Georgia Institute of Technology), Salimah LaForce (Georgia Institute of Technology), Madeleine Hackney (Emory University). Molly Perkins (Emory University), Mwarumba Mwavita (Oklahoma State University), $3,014,102 requested
National Science Foundation. (Submitted in June 2022, Not Funded)

25. **Designing a personal intelligent agent for older adults**
Principal Investigator.
In collaboration with DeeDee Bennett Gayle (Co-PI)
a2 Collective's AI/Tech + Aging Pilot Competition (Winter 2022) funded by National Institute of Aging (Submitted on February 2022, not funded)

26. **Theme 1: Bringing Machine Learning, Knowledge Representation & Reasoning, and Agent-based Systems to Cybersecurity**
Senior Investigator. PI: Benzel Terry
In collaboration with Anupam Joshi (UMBC), Murat Kantarcioglu (UT-Dallas), Jelena Mirkovic (ISI), Tim Finin (UMBC), Jim Hendler (RPI), Sharad Sharma (bowiestate), Gary Ackerman (UAlbany), George Berg (UAlbany), and Craig Knoblock (ISI)
National Science Foundation (Submitted on January 2022)

27. **Evaluating the intersection of total environment and health disparities using big data and community engagement to address environmental justice**
Senior Personnel
Co-I. PI: Shao Lin; Co-PI: DeeDee Bennett
EPA: Cumulative Health Impacts at the Intersection of Climate Change, Environmental Justice, and Vulnerable Populations/Lifestages: Community-Based Research for Solutions (EPA-G2021-STAR-H1) (Submitted in November 2021, not funded)

28. **Trust and Privacy in Smart Consumer Devices through Gamification: Broadening Participation in Cybersecurity and Eliminate the Digital Divide**
Co-PI. PI: Benjamin Yankson
DCL - Enabling Secure and Trustworthy Cyberspace (SaTC) CISE-SBE Interdisciplinary Collaborations - Two Page Project Concept Description for EAGER Proposal (submitted in November 2021, not funded)

29. **Implementation of vital factors crucial to increasing knowledge and awareness about misinformation relevant to COVID-19 among health information providers and policymakers.**
Research Collaborator. PI: Lubna Daraz (University of Montreal), Bebe Chang (Nova Southeastern University), Sheila Bouseh (Independent Researchers), $14,500. Montreal. Quebec. Canada. (Submitted on June 2, 2021, not funded)
Knowledge Mobilization Grant at University of Montreal

30. **Identifying Limitations to Digital Public Health Messaging Targeting Citizens and Providing Recommendations for Public Health Information Providers in Canada.**

Research Consultant. PI: Lubna Daraz (University of Mortreal), Bebe Chang (Nova Southeastern University), Sheila Bouseh (Independent Researchers), $76, 642 (Submitted in May 2021, not funded)

Digital Citizen Contribution Program, Department of Canadian Heritage Act, Canada

31. **Data Science Corp.**
Co- Principal Investigator. PI: DeeDee Bennett Gayle (University at Albany – SUNY), George Berg, Eric Stern, Alex Geer, Abebe Rorissa, Carol Anne Germain (submitted in February 2021)
National Science Foundation

32. **PReparing Older Adults: Communicating *risk* In Virtual Environments (PRO-ACTIVE).**
Co- Principal Investigator. PI: DeeDee Bennett Gayle (University at Albany – SUNY), Maureen Linden (Georgia Institute of Technology), Salimah LaForce (Georgia Institute of Technology), Madeleine Hackney (Emory University). Molly Perkins (Emory University), Mwarumba Mwavita (Oklahoma State University), $2,463,972 (submitted in October 2020, not funded)
National Institutes of Health

33. **A Comparative Analysis of Perceptions on Contact Tracing in the Era of Covid-19 Pandemic (Not Funded)**
Co-Lead. In collaboration with Dr. DeeDee Bennett Gayle, Thora Knight, and Dr. Dan Wu (*$4,992 applied)*, 2020
Quick Response Award Program, Natural Hazards Center, NSF

34. **Assessing Risk for Extreme Events with AI (AREA)**
Co- Principal Investigator. In collaboration with Dr. DeeDee Bennett (PI), Dr. Theresa Pardo, Dr. Eric Stern, and Dr. Unal Tatar, 2020.
SUNY Research Seed Grant Program

35. **Trust, Risk communications, and Understanding of Senior adults during the pandemic (TRUS) (Not Funded)**
Principal Investigator. In collaboration with Dr. DeeDee Bennett (PI) (CEHC), Dr. Haibin Ling (SUNY-StonyBrook) (*$200,000 requested)*, 2020.
NSF RAPID

36. **Pandemic Risk Information about the Virus: Accurate, Trustworthy, Equitable (PRIV: ATE) (Not Funded)**
Principal Investigator, Microsoft CFP 2020: Collaborative Studies on COVID-19 and Pandemic Preparedness, in collaboration with Dr. DeeDee Bennett (PI) (CEHC), Dr. Mei Chen from (*$150,000 requested*)
Microsoft Research

37. **What Can We Learn from Voice Queries - Examining User Task Intentions When Interacting with Voice Search Systems (Not Funded)**
Principal Investigator. Submitted on October 2016 (*$10,000 requested*)
University at Albany Faculty Research Awards Program (FRAP A), University at Albany

38. **Minimizing the "Cost of Caring" – Toward the Design and Development of a System that Reduces User Stress when Seeking Health Information (Not Funded)**
Principal Investigator. In collaboration with Dr. Chengalur-Smith from School of Business, University at Albany. Submitted on August, 2016, *$50,000 requested*
Presidential Innovation Fund for Research and Scholarship 2016, University at Albany

39. **Medication Reconciliation from Disparate Sources (Not Funded)**
    Key Personnel. In collaboration with Dr. Uzuner from CEAS, University at Albany, and Ellis Hospital. Submitted on February, 2013.
    National Institutes of Health
40. **Developing an iPad-based Fruit and Vegetable Intervention for Older Adults (Not Funded)**
    Site Principal Investigator. In collaboration with colleagues from UTexas-Austin, Catholic University, and Rhode Island University. Submitted on October 16, 2012.
    National Institutes of Health
41. **Converging Formal and Informal Vocabularies and Communication: Taxonomy Driven Social Tagging (Not Funded)**
    Senior Personnel. Submitted on February 1, 2010. Sub-award *$58,433 requested*
    Institute of Museum and Library Services
42. **Developing a Better Viewer for BLAST Output Interface (Not Funded)**
    Principal Investigator. In collaboration with University of the Science in Philadelphia. Submitted on February 16, 2010, *$325,780 requested*
    National Institutes of Health
43. **CASE: Conversational Analysis of Scientific Exposition (Not Funded)**
    Co-Principal Investigator. In collaboration with colleagues in the computer science department, University at Albany. Submitted November 2010.
    The Intelligence Advanced Research Projects Activity (IARPA)

HONORS, AWARDS

- The 20th Annual Conference on Information Systems for Crisis Response and Management (ISCRAM) Best Paper Award, 2023
- Initiatives For Women Program Award, 2021
- Initiatives For Women Program Award, 2022
- Initiatives For Women Program Award (applied for CEHC JEDI committee), 2022
- IMLS (Institute of Museum and Library Services) Early Career Award, 2010
- ALISE (Association for Library and Information Science Education) Eugene Garfield Doctoral Dissertation Award, 2009
- ASIST (American Society of Information Science and Technology) PROQUEST Doctoral Dissertation Award Honorable Mention, 2008
- Eugene Garfield Doctoral Dissertation Fellowship, 2004 – 2005

Refereed Conference Presentations (Presented by Xiaojun Yuan on Behalf of All Co-authors)

1. Full Paper. Perception of Emerging Technology for Emergency Preparedness: A Cross-Sectional Study. *The Hawaii International Conference on System Sciences (HICSS-58)*, Hawaii, January 10, 2025.
2. Panel Speaker. National Hurricane Conference 2024, Orlando, Florida, March 27, 2024.
3. FEMA High-Ed Conference, MD, June 5, 2024.
4. Keynote Talk. ASIS&T Asia-Pacific Conference, December 23rd, 2023

5. Creating a personal intelligent agent tailored for older adults. *The 23rd Annual SIG-USE Research Symposium, the 86th Annual Conference of the American Society for Information Science and Technology (ASIS&T),* London, October 7, 2023. (virtual presentation)
6. Full Paper. COVID-19 Contact Tracing Mobile Applications in New York State (NYS): An Empirical Study and challenges. HCII2023. HCI INTERNATIONAL 2023 25th International Conference on Human-Computer Interaction, Copenhagen, Denmark, July 25, 2023.
7. Full Paper. Older Adults and Their Technology Use before and during the COVID-19 Pandemic: Opportunities and Changes. The 20th Annual Community Informatics Research Network Conference (CIRN 2022), November 9, 2022
8. Panel Speaker, AI and Socially Vulnerable Populations. The Northeast Chapter of the Association of Information Science and Technology (NEASIST), March 25, 2022. (invited) (Virtual)
9. Panel Speaker, Older Adults Decision-Making at the Start of COVID-19. The National Hurricane Conference, April 12, 2022, Orlando, FL.
10. Designing Responsible AI Systems for Older Adults: Opportunities and Challenges. SIGAI-Workshop on AI in Information Research and Practice: Fostering Interconnected Communities, the Annual Conference of the American Society for Information Science and Technology (ASIS&T), Salt Lake, October 30, 2021. (Virtual Presentation)
11. Older Adults Use of Technology for Decision-Making: A Systematic Literature Review. 2021 Aging and Health Informatics Conference (AHIC), December 7, 2021, Virtual Conference.
12. Panel Speaker, *Reimagining Information Science and Technology Beyond Traditional Boundaries in the Global Coronavirus Pandemic Situation*, The Annual Conference of the American Society for Information Science & Technology (ASIS&T), October, 2020.
13. Full Paper, *ICT (Information Communication Technologies) and Emergency Management: Studies on Human Information Behavior During Pandemic*. ASIS&T SIGUSE Symposium-Grand Challenges in Information Behavior Research: Theory, Proceedings of the Annual Conference of the American Society for Information Science & Technology (ASIS&T2020). Virtual Conference, October 2020.
14. Full paper, *Speak to Me: Interacting with a Spoken Language Interface.* HCII2020. HCI INTERNATIONAL 2020 22nd International Conference on Human-Computer Interaction, Copenhagen, Denmark, July 2020.
15. Panel Speaker, ICACHI Forum 2020.
16. Keynote Speaker, *Voice Search and Human-Engaged Computing.* The International Workshop of Human-Engaged Computing (IWHEC 2020), Kochi, Japan, January 2020.
17. Invited Speaker, *User Voice Search Behavior,* Nankai University, Tianjin, China, 2019.
18. Invited Speaker, Entertainment Forum talk, Chinese CHI 2019, Xiamen, China
19. Full paper, A Teacher Dashboard for Real-time Intervention. The 4th IEEE International Conference on Collaboration and Internet Computing, Oct 18 - 20, 2018. Philadelphia, Pennsylvania, USA.
20. Full paper, User query behaviour in different task types in a spoken language vs. textual interface: A Wizard of Oz experiment. ISIC 2016, the Information Behaviour Conference, Zadar, Croatia.
21. Full paper, *Presentation Styles on User Perceived Usefulness in Opinion Summarization*. HICSS 2016, the 49th Hawaii International Conference on System Sciences, Kuai, Hawaii.

22. Full paper, *What users prefer and why: A user study on effective presentation styles of opinion summarization.* INTERACT 2015, Bamberg, Germany.
23. Workshop paper, *Improving User Experience through Task Design and Evaluation Metrics in Research Projects.* Workshop "The Landscape of UX Requirements Practices" in INTERACT 2015, Bamberg, Germany.
24. Full paper, *Evaluating an education department portal: A case study*. Human-Computer Interaction International (HCII), 2015, Los Angeles, CA, USA.
25. Full paper, *Investigating the effect of visualization on user performance of information systems.* Design, User Experience, and Usability. Human-Computer Interaction International (HCII), 2013, Las Vegas, USA.
26. Full paper, *Effects of domain knowledge on user task performance in a knowledge domain visualization system.* Human-Computer Interaction International (HCII), 2013, Las Vegas, USA.
27. Poster, *Social networking using mobile devices.* Human-Computer Interaction International (HCII), 2013, Las Vegas, USA.
28. Panel, *Current iPad Fruit and Vegetable Applications for Older Adults,* November 6, the American Medical Informatics Association Annual Symposium, 2012.
29. Posters, *Effects of Visualization on User Performance of Information Systems*, and *Effects of Domain Knowledge on User Task Performance in a Knowledge Domain Visualization System*, Oct. 4-5, the Symposium on Human-Computer Interaction and Information Retrieval HCIR, 2012, Boston, MA.
30. Full paper, *Building the Trail Best Traveled: Effects of Domain Knowledge on Web Search Trailblazing*, the ACM SIGCHI Conference on Human Factors in Computing Systems, May 2012, Austin, TX, USA
31. Workshop, *Improving Older Adults' Search Experience Using Speech Interface in Health Practices*. Workshop in the ACM SIGCHI Conference on Human Factors in Computing Systems 2012 Conference on Bridging Clinical and Non-clinical Health Practices: Opportunities and Challenges.
32. Presented a short paper: *An Exploratory Study of the Effect of Cognitive Styles on User Performance in an Information System*, and two posters: *A User Study on Improving the Effectiveness of a Spoken Language Interface to Information Systems* and *Understanding the Information Needs and Search Behaviors of Mobile User*. Workshop on Human-Computer Interaction and Information Retrieval HCIR, Oct. 2011, San Jose, CA, USA
33. Posters, *Design of a Study to Evaluate the Effectiveness of a Spoken Language Interface to Information Systems* and *A Comparative Experiment of the Effect of Visualization on User Performance of Information Systems*, the Annual Conference of the American Society for Information Science & Technology, October 2011, New Orleans, USA
34. Workshop, *Supporting Complex Tasks in a Spoken Language Interface.* in the workshop "Entertain Me" July 2011, the Annual International ACM SIGIR Conference on Research and Development in Information Retrieval 2011, Beijing, China
35. Poster, *Testing Visualization on the Use of Information Systems*, Information Interaction in Context Symposium, August 2010, New Brunswick, NJ, US
36. Workshop, *What Have We Learned From Users of Visualization Systems.* in workshop "Understanding the User", Annual International ACM SIGIR Conference on Research and Development in Information Retrieval, July 2009, Boston, US

37. Doctoral dissertation proposal, Human Language Technology-North American Association for Computational Linguistics Conference (*HLT-NAACL),* doctoral consortium, June, 2006, New York City, NY, US
38. Doctoral dissertation proposal, the Annual Conference of the American Society for Information Science & Technology, doctoral seminar, November 2004, Providence, Rhode Island, US
39. Doctoral dissertation proposal, the Annual International ACM SIGIR Conference on Research and Development in Information Retrieval, doctoral consortium, July 2004, Sheffield, England
40. Poster, *The relationship between ASK and relevance criteria*, the Annual International ACM SIGIR Conference on Research and Development in Information Retrieval*, 20*02, Tampere, Finland

TEACHING EXPERIENCE

STATE UNIVERSITY OF NEW YORK, UNIVERSITY AT ALBANY   **Albany, NY**
CEHC
1. Human Information Behavior, Graduate Course, Winter 2024
2. The Information Environment (IST 601), Graduate Course, Spring 2020, Fall 2021, Spring 2022, Fall 2024
3. Information and Knowledge Organization (IST 602), Graduate Course, Spring 2020, Spring 2021, Fall 2021, Spring 2023, Spring 2024, Spring 2025
4. Research Methods for Informatics (INF 200), Undergraduate Course, Fall 2019
5. Information Systems, Graduate Course (IST611), Fall 2019, Fall 2020, Fall 2022, Fall 2023
6. Current Technologies in Interactive Design (INF462), Undergraduate Course, Spring 2017
7. Current Technologies in Interactive Design (INF462/562), Undergraduate/Graduate Course, Spring 2018, Fall 2022, Fall 2023
8. Information Storage and Retrieval (IIST433/533), Undergraduate/Graduate Course, Fall 2017, Fall 2020, Spring 2022, Spring 2023, Spring 2024, Fall 2024, Spring 2025
9. Web Design and Development (IIST 561), Graduate Course, Fall 2013, Spring 2018 (Fully Online)
10. Web Database Programming (IIST 535), Graduate Course, Fall 2016, Fall 2015, Fall 2013, Fall 2012
11. Fundamentals of Information Technology (IIST 523), Graduate Course, Fall 2016 (Fully Online), Fall 2015 (Fully Online), Spring 2015, Spring 2014, Spring 2013, Spring 2012, Spring 2010 (Fully Online), Fall 2009 (Fully Online & Blended), Spring 2009, Fall 2008 (Fully Online & Face-to-Face), Spring 2007, Fall 2006
12. Developing User Interfaces (IIST 666), Graduate Course, Spring 2017, Spring 2016, Spring 2015, Spring 2014, Spring 2013, Spring 2012 (Independent Study), Summer 2010 (Fully Online), Fall 2010 (Fully Online), Spring 2010 (Blended), Spring 2009
13. Systems Analysis in the Information Environment (IIST 636), Graduate Course, Spring 2008, Spring 2007

RUTGERSITY, STATE UNIVERSITY OF NEW JERSEY
New Brunswick, NJ

School of Communication and Information Science
Department of Information Science
1. Information Technologies for Libraries and Information Agencies (17:610:550), Graduate Course: Spring 2004, Summer 2004, Fall 2004, Fall 2005

PROFESSIONAL SERVICES

University/Department Committee

1. School of Public Health, Nursing Lecturer Search Committee Member, ODI representative, Spring 2025
2. CEHC Cyber AI Faculty Search Committee Member, Fall 2024
3. CEHC Curriculum Committee, Fall 2024
4. UAlbany AI+ Undergraduate Curriculum Committee (led by the Interim Vice Provost Christine Wagner), Spring 2024
5. Excellence in Research and Creative Activities Selection Committee, University Senate, 2023-2024
6. Student Commencement Speaker Selection Committee, Spring 2024
7. University Senator, Senate Executive Committee (SEC) Secretary, 2022-present
8. Faculty Fellow at the Center for Technology in Government (CTG UAlbany), Spring 2023 - Present
9. CEHC (College of Emergency Preparedness, Homeland Security and Cybersecurity), JEDI (Justice, Equity, Diversity and Inclusion) committee member, 2022-2023
10. Department of Information Sciences and Technology, CEHC (College of Emergency Preparedness, Homeland Security and Cybersecurity), Tenure and Promotion Committee Chair, 2022-present
11. CEHC AI Cluster Hiring, EMHS Search Committee Member, ODI representative, CEHC (College of Emergency Preparedness, Homeland Security and Cybersecurity), Spring 2023
12. CEHC (College of Emergency Preparedness, Homeland Security and Cybersecurity), JEDI (Justice, Equity, Diversity and Inclusion) committee Co-Chair, 2021-2022
13. CEHC (College of Emergency Preparedness, Homeland Security and Cybersecurity), Faculty Search Committee, 2021
14. CEHC (College of Emergency Preparedness, Homeland Security and Cybersecurity), INF PhD admission committee, 2020, 2021
15. CEHC (College of Emergency Preparedness, Homeland Security and Cybersecurity), Cybersecurity candidate search committee, 2019-2020
16. CEHC (College of Emergency Preparedness, Homeland Security and Cybersecurity), MSIS-Data Analytics Curriculum Committee, 2021
17. CEHC (College of Emergency Preparedness, Homeland Security and Cybersecurity), Program Assessment Committee, 2021
18. CEHC (College of Emergency Preparedness, Homeland Security and Cybersecurity), CEHC Ad Hoc Committee Chair, (Pre)Tenure & Promotion, 2021
19. CEHC (College of Emergency Preparedness, Homeland Security and Cybersecurity), CEHC Ad Hoc Committee member, Continuing Appointment (or Tenure) review, 2020
20. CEHC (College of Emergency Preparedness, Homeland Security and Cybersecurity), Policy review committee, 2017, 2019

21. CEHC (College of Emergency Preparedness, Homeland Security and Cybersecurity), New Faculty Office Allocation Committee, 2020
22. CCI/CEAS (College of Computing and Information/College of Engineering and Applied Sciences) Senator, 2014 – 2016
23. University Committee on Academic Freedom, Freedom of Expression, & Community Responsibility (CAFFECoR) member, 2014 – 2016
24. Academic Concerns Committee, United University Professions (UUP) Albany Chapter, February, 2014 – 2016
25. CCI (College of Computing and Information) day representative, 2014 – 2015
26. Institutional Review Board (IRB), Office of Regulatory Research Compliance, UAlbany, 2008-2012
27. INF PhD Program Admission Committee, College of Computing and Information, 2008-2013
28. Technology Committee, College of Computing and Information, 2013
29. Reviewer for INF PhD Comprehensive Exam, College of Computing and Information/College of Engineering and Applied Sciences, 2007-2008, 2016
30. Faculty Development Committee, Department of Information Studies, 2010, 2011
31. Curriculum Committee, Department of Information Studies, 2006 – 2018
32. CEHC Doctoral Dissertation Award Committee member, 2018

Outreach/Community Engagement

1. Visit Presentation and Host Rise High 9th Graders at ETEC to introduce them to Emergency Management, 3/5/2022
2. Panel Speaker, Invited. "Older Adults' Technology Use." UAlbany Healthy Aging Symposium, Organized by Thenkurussi (Kesh) Kesavadas, Vice President for Research, and Carol Kim, Provost, University at Albany, SUNY, March 22, 2023
3. Invited Guest Speaker. "Older adults' technology use: Opportunities and challenges." Course EHS545- Global Climate Change, Extreme Weather and Public Health. April 14, 2023
4. University at Albany – Asian Coalition of Professionals (ACP) Executive Committee Member, Uptown Representative, Spring 2022 – October 2024, Interim President, November 2024 - Present
5. The UAlbany Black Indigenous Latinx and People of Color (BILPOC) Advancement Group Steering Committee, April 2023 – Present
6. UAlbany/National Center for Adaptive Neurotechnologies/ Stratton VA Medical Center, UAlbany group visit the NCAN/SVAMC led by Thenkurussi (Kesh) Kesavadas, Vice President for Research, Stratton VA Medical Center, Albany, NY 12208, April 21, 2023
7. Co-Instructor. "Topic on Emergency Preparedness, Homeland Security and Cybersecurity and Asian/ Americans." TUNI 250 Honors College Special Topics in Asian America: Interdisciplinary Perspectives (3 Credits), Fall 2023. In Collaboration with Dr. Rui Li (Geography & Planning) Dr. Angie Y. Chung (Sociology), Dr. Zai Liang (Sociology), Dr. Niloufer Siddiqui (Political Science) and Dr. Rongwei Yang (Mathematics & Statistics).
8. Department of Information Sciences and Technology, Panel Speaker. "Rethinking algorithmic fairness in the context of information access." In collaboration with Dr. Emmanuel Udoh. New Trends in Informatics Research (NTIR) Conference 2023, CEHC, UAlbany, SUNY, Albany, NY, April 26, 2023.

9. Media presentation: CEHC Researchers Publish New Book on COVID-19 and the Digital Divide, by Mike Nolan, February 23, 2023. https://www.albany.edu/news-center/news/2023-cehc-researchers-publish-new-book-covid-19-and-digital-divide
10. Media presentation: UAlbany Study: Joint Effects of Thunderstorms and Power Outages Increase Respiratory-Related Emergency Department Visits, by Erin Frick, July 30, 2024. UAlbany Study: Joint Effects of Thunderstorms and Power Outages Increase Respiratory-Related Emergency Department Visits | University at Albany
11. Media presentation: CEHC Researchers Use Virtual Reality to Improve Disaster Preparedness for Older Adults, by Mike Nolan, September 26, 2024. https://www.albany.edu/news-center/news/2024-cehc-researchers-use-virtual-reality-improve-disaster-preparedness-older
12. NY researchers use VR to enhance disaster preparedness for older adults. https://www.gov1.com/safegov/ny-researchers-use-vr-to-enhance-disaster-preparedness-for-older-adults
13. Researchers Use Virtual Reality to Improve Disaster Preparedness for Older Adults. https://www.newsgram.com/research/2024/10/01/researchers-use-virtual-reality-to-improve-disaster-preparedness-for-older-adults
14. UAlbany Hosts Symposium on Mental Health in Communities of Color. https://www.albany.edu/news-center/news/2024-ualbany-hosts-symposium-mental-health-communities-color

Reviewer

1. UWM (University of Wisconsin-Milwaukee) Discovery and Innovation Grant (DIG) Program, 2019
2. Tenure and Promotion Review, Peking University, China, 2020
3. Journal of Environmental Health Perspectives, 2023
4. Grant, Institute of Museum and Library Services, Early career research grant reviewer, 2012
5. Journal articles, *Journal of the American Society for Information Science and Technology*
6. Journal articles, *International Journal of Information Processing & Management*
7. Journal articles, *Journal of Library and Information Science Research*
8. Journal articles, *Aslib Journal of Information Management*
9. Journal articles, *ACM Transactions on Information Systems*
10. Journal articles, *Journal of Knowledge and Information Systems*
11. Journal articles, *Journal of Interacting with Computers*
12. Journal articles, *Journal of Information Visualization*
13. Journal articles, *International Journal of Library and Information Science*
14. Journal articles, *Journal of Computers & Security*
15. Journal articles, *Journal of BMC Psychiatry*
16. Journal articles*, Journal of Computers & Education*
17. Journal articles, *Journal of Information, Communication and Society*
18. Journal articles, *The JMIR Medical Informatics (JMI)*
19. Book Chapters, *Encyclopedia of Information Science and Technology-4th ed., IGI Global*
20. Conference papers, *iConference 2025*
21. Conference papers, *ACM CHIIR 2025*

22. Conference papers, *WSDM 2020*
23. Conference papers, *the Annual International ACM SIGIR Conference on Research and Development in Information Retrieval,* 2005, 2010 - 2019
24. Conference papers, *the ACM SIGCHI Designing Interactive Systems (DIS 2016)* Provocation & Work-in-Progress paper reviewer
25. Conference papers, *Chinese CHI*, 2014, 2015
26. Conference papers, *Creativity & Cognition 2015*
27. Conference papers, *the Hawaii International Conference on System Sciences*, (HICSS-49), **(**HICSS-50), 2015, 2016
28. Conference papers, *the Asia Information Retrieval Societies conference* (AIRS 2015) Program Committee Member, June 2015
29. Conference papers, the *ACM SIGCHI Conference on Human Factors in Computing Systems,* 2012, 2013, 2014, 2015
30. Conference papers, *the ACM SIG IR Conference on Human Information Interaction and Retrieval (CHIIR)*, 2016, 2017, 2018
31. Conference papers, *the Annual Conference of the American Society for Information Science & Technology (ASIST), 2012 - 2019*
32. Conference posters and demos, *the International Conferences on Intelligent User Interfaces*, IUI 2016
33. Conference papers, *the Second Conference on Geographical Information Systems Theory, Applications and Management*, GISTAM 2016
34. Conference papers, OzChi, 2015 – 2019
35. Conference papers, WSDM 2021
36. Conference student design competitions, the *ACM SIGCHI Conference on Human Factors in Computing Systems,* 2015
37. Conference papers, the *User Experience Professionals Association (UXPA),* 2013
38. Conference papers, the *symposium on Human-Computer Interaction and Information Retrieval (HCIR)*, 2011
39. Conference papers, *Information Interaction in Context symposium,* 2010, 2012
40. Conference papers, iConference, 2008, 2016, 2018, 2020
41. Conference papers, Juried paper proposal, Alise 2018, 2019
42. Conference papers, WWW (the Web Conference) 2018
43. Conference papers, the *ACM Thirteenth Conference on Information and Knowledge Management (CIKM 2004)* additional reviewer

Conference Program Committee Member

1. Information Interaction in Context Symposium, Proceedings Chair (IIix), 2010
2. The Annual International ACM SIGIR Conference on Research and Development in Information Retrieval, Program Committee member, 2010 - 2019
3. Information Interaction in Context Symposium, Program Committee member, 2012
4. The Annual Conference of the American Society for Information Science & Technology, the Special Interest Group on Information Needs, Seeking, and Use SIG USE Research Symposium, Planning Committee member, 2011, 2013
5. New York Celebration of Women in Computing Conference, Program Committee member, 2012 - 2016

6. The First Symposium of Chinese Human Computer Interaction, Program Committee member, Award Committee Co-Chair, 2012
7. The ACM SIGCHI Conference on Human Factors in Computing Systems, Work in Progress Program Committee Member, 2014
8. ASIS&T International Relations Committee member, 2012
9. The ACM IUI Annual meeting of the intelligent interfaces, Best Demo Selection Committee, 2015
10. The Asia Information Retrieval Societies conference (AIRS 2015) Program Committee Member, 2015
11. The International Conference on Intelligent User Interfaces (IUI), 2016
12. The iConference, Program Committee Member, 2016 - 2020
13. The Chinese CHI Conference 2017, Industry Co-Chairs, 2017
14. The ACM SIG IR Conference on Human Information Interaction and Retrieval (CHIIR) 2016 - 2018
15. The 2nd International Conference on Geographical Information System Theory, Applications and Management (GISTAM 2016), Program Committee Member, 2015 – 2016
16. The ACM SIG IR Conference on Human Information Interaction and Retrieval (CHIIR 2018), Workshop and Tutorial Chair, 2017 -2018
17. The Workshop on Collaborative Technologies and Data Science in Smart City Applications (CODASSCA 2018), Chair of the Smart Human Centered Computing track, 2018
18. The Annual Conference of the American Society for Information Science & Technology, the Special Interest Group on Information Needs, Seeking, and Use SIG USE Awards Committee member, 2017 – present
19. The International workshop on Human-Engaged Computing (IWHEC 2020), Program Co-Chairs, Japan, January 2020
20. IEEE ICMA 2021, Co-Chair, Organized Session-Human Engaged Computing, Takamatsu, Japan, August 8-11, 2021
21. IEEE-ICHI 2021, Senior Program Committee member, Victoria, British Columbia, Canada from August 9th-12th, 2021
22. Membership Director, New England ASIS&T Chapter, 2021
23. The International workshop on Human-Engaged Computing (IWHEC 2020), Program Co-Chairs, March 2020, Virtual Conference
24. ACM SIGCHI 2022, Associate Chair (AC) for CHI 2022 subcommittee "Understanding People: Theory, Concepts, and Methods."
25. Chinese CHI 2022, Conference Paper Chairs
26. Chinese CHI 2023, Conference Paper Chairs
27. The International workshop on Human-Engaged Computing (IWHEC 2022), Program Co-Chairs, 2022
28. The Annual Conference of the American Society for Information Science & Technology, ASIS&T Watson Davis Award Jury committee member, March-May 2023
29. The Annual Conference of the American Society for Information Science & Technology, the Special Interest Group on Information Needs, Seeking, and Use SIG USE Chair Elect, 2022-2023
30. The Annual Conference of the American Society for Information Science & Technology, the Special Interest Group on Information Needs, Seeking, and Use SIG USE Chair, 2023-2024

31. Technical Program Committees, The 2023 4th International Conference on Public Health and Data Science (ICPHDS 2023), December 15 -17, 2023, Huainan, China.
32. The Annual Conference of the American Society for Information Science & Technology, SIG Cabinet Steering Committee Member, 2024-2026
33. ACM CHIIR Program Committee 2025

Board Member

- Editorial Board Member, Aslib Journal of Information Management, 2021 - Present
- Editorial Board Member, Annual Review of Information Science and Technology, 2022 - Present
- Editorial Advisory Board, Developments in the Design, Construction and Evaluation of Digital Libraries: Case Studies, IGI Global, 1st ed. (2013), 2011
- International Chinese Association of Human Computer Interaction, 2012 - Present

Doctoral Thesis Examiner

- "Antecedents of Health-Related Informed Decision Making", University of the Punjab, Lahore-PAKISTAN, 2025

Editorial Experience

- Editorial Advisory Board, Developments in the Design, Construction and Evaluation of Digital Libraries: Case Studies, IGI Global, 1st ed. (2013), 2011
- Assistant to the Editor-in-Chief of the International Journal of Information Processing & Management, 2003-2005.
- Co-Special Issue Guest Editor, Special Issue on Multimedia Indexing and Retrieval, Journal of Technologies. 2020-2021. Technologies | Special Issue : Multimedia Indexing and Retrieval (mdpi.com)
- Lead Co-Topic Guest Editor, Special Issue – "Engaging Socially Vulnerable Populations with Artificial Intelligence Technologies", Frontiers in Computer Science. 2020-2021.
- Co-Special Issue Guest Editor, Special Issue on Supporting and Engaging Diverse and Vulnerable Populations with Technology Adoption Amid COVID-19. 2021. Journal of Data and Information Management.
- Lead Co-Guest Editor, Special Issue on Artificial Intelligence, Equity and COVID-19 Pandemic. Aslib Journal of Information Management.
- Guest Editor, Special Issue on Climate change and on human health outcomes. Journal of Hygiene and Environmental Health Advances. https://www.sciencedirect.com/journal/hygiene-and-environmental-health-advances/about/call-for-papers#climate-change-and-on-human-health-outcomes. 2024.

PROFESSIONAL MEMBERSHIP

- ASIST (Association for Information Science and Technology)

- ASIST SIG/USE (Association for Information Science and Technology), the Special Interest Group on Information Needs, Seeking, and Use
- ASIST SIG-AI (Association for Information Science and Technology), the Special Interest Group on Artificial Intelligence
- ACM SIGIR (Special Interest Group in Information Retrieval)
- ACM SIGCHI (Special Interest Group on Computer-Human Interaction)
- ACM (Association for Computing Machinery)
- UXPA (Usability Professional's Association)
- IEEE (Institute of Electrical and Electronics Engineers)

RESEARCH SUPERVISEES

Doctoral Students

1. Jeesoo Jung, Research Supervisor, 2024 - Present
2. Yanjun Dong, Research Supervisor, 2024 – Present
3. Nisa Albert, Research Supervisor, 2024 – Present
4. Don Harris, Doctoral Dissertation Committee Member, 2023 – Present.
5. Yvonne Dadson, Doctoral Dissertation Committee Member, 2023 – Present.
6. Qingyue Guo, Visiting Doctoral Student. 2023 – 2024.
7. Bahareh Ansari, Doctoral Dissertation Committee Member, 2021 – 2022 (Degree Completed)
8. Kevin Caramancion, Informatics, Doctoral Program Direction Committee Member, Doctoral Dissertation Committee Co-Chair, 2020 – 2022 (Degree Completed)
9. Ellie Jung, Informatics, Doctoral Program Direction Committee Member, 2020 – Present
10. Yu Liu, Informatics, Research Supervisor, Doctoral Program Direction Committee Chair, 2020 – 2021
11. Elisabeth Dubois, Research Supervisor, 2020 – 2022
12. Thora Knight, Research Supervisor, 2020 – 2022
13. Zhaopeng Xing, University of North Carolina at Chapel Hill, Doctoral Program Supervisory Committee Member, Doctoral Dissertation Committee Member, 2019 – 2022 (Degree Completed)
14. Ning Sa, Informatics, Research Supervisor, and Dissertation Committee Chair, 2012 – 2020 (Degree Completed)
15. Grace Begany, Informatics, Research Supervisor, and Dissertation Committee Member, 2013 – 2018 (Degree Completed)
16. Tao Xu, Informatics, Doctoral Program Direction Committee Member and Doctoral Dissertation Committee Member, 2007 – 2016 (Degree Completed)
17. Qianwen Geng, Informatics, Research Supervisor, 2014 – 2017
18. Kevin Buchan, Informatics, Doctoral Program Direction Committee Member, 2016
19. Nim Dvir, Informatics, Doctoral Program Direction Committee Member, 2016 – 2017
20. Peter Allegretti, Informatics, Research Supervisor, 2013
21. Mike Tanski, Informatics, Research Supervisor, 2013
22. Dima Kassab, Informatics, Research Supervisor, 2011 – 2013
23. Jami Cotler, Informatics, Doctoral Program Direction Committee Chair, 2012 –2015
24. Catherine Dumas, Informatics, Doctoral Program Direction Committee Chair, 2011 – 2013

25. Kaveh Mirzaei, Computer Science, Research Supervisor, 2012 – 2014
26. Yongna Li, Cognitive Psychology, Research Lab Supervisor, Graduated 2010

Masters Students (M.S.I.S.)

1. Jahnavi Cherukuru, Master Student, Research project supervisor, 2024 - Present
2. Marie Lena Tupot, Master Thesis Committee Member (Chair: Michael Young)
3. Sree Vishnu Pathuri, Research project supervisor, 2021
4. Jose Figueroa, Research project supervisor, 2021
5. Sarah Siddiqui. Master thesis supervisor, 2018
6. Palak Agarwal. Research project supervisor, 2016
7. Ping Li. Research project supervisor, 2012 – 2014
8. Joshua Krutt. Research project supervisor, 2012 – 2013
9. Nic Soraes. Research project supervisor, 2012- 2013
10. Tatjana Versaggi. Research project supervisor, 2012 – 2013
11. Kirstie Woodin. Research project supervisor, 2012 – 2013
12. Utkarsha Patil. Independent study supervisor, 2012 – 2013
13. Kun Lin. Research project supervisor, 2011
14. Sara Abona. Independent study supervisor, 2011
15. Chao-Yueh Liu. Independent study supervisor, 2011
16. Chris Leeder. Research project supervisor, 2009
17. Josh Avery. Research project supervisor, 2009 – 2010

Undergraduate Students

1. Edward Boulet, INF 391 research intern supervisor, Spring 2024, Fall 2024
2. Daniel Campbell, INF 391 research intern supervisor, Fall 2024
3. Landon McConnell, INF 391 research intern supervisor, Spring 2024
4. Keme Rex, INF 391 research intern supervisor, Spring 2024
5. Matthew Winosky, INF 391 research intern supervisor, Fall 2023
6. Kim Watson, INF 391 research intern supervisor, Fall 2024