

Keli "Andrew" Xiao, *Ph.D.* | *Senior Member, ACM* | *Senior Member, IEEE*

CONTACT INFORMATION

346 Harriman Hall
College of Business
Stony Brook University
Stony Brook, NY 11794, USA

E-mail: keli.xiao@stonybrook.edu

RESEARCH INTERESTS

Data Mining and Knowledge Discovery, Big Data Analytics, Business Intelligence, Quantitative Finance, Asset Pricing

EDUCATION

Ph.D., Management, 2013
Rutgers Business School - Newark and New Brunswick
Rutgers, The State University of New Jersey, USA

M.S., Quantitative Finance, 2009
Rutgers Business School - Newark and New Brunswick
Rutgers, The State University of New Jersey, USA

M.A., Computer Science, 2008
Queens College, The City University of New York, USA

B.E., Computer Science, 2006
Wuhan University of Technology, China

ACADEMIC EMPLOYMENT

Associate Professor (with Tenure), Operations & Decision Analytics | Finance
College of Business
Stony Brook University - The State University of New York, 2020 - present

Assistant Professor, Operations & Decision Analytics | Finance
College of Business
Stony Brook University - The State University of New York, 2013 - 2020

Lecturer, Dept. of Finance & Economics | Dept. of Management Science & Information Systems
Rutgers Business School - Newark and New Brunswick
Rutgers, The State University of New Jersey, 2011 - 2013

AFFILIATED POSITIONS

Co-Director, Blockchain Business Lab
College of Business
Stony Brook University - The State University of New York, 2019 - present

Founding Faculty Member, Center of Entrepreneurial Finance
College of Business
Stony Brook University - The State University of New York, 2018 - present

EDITORIAL POSITIONS

Book Editorship

- **Field Editor**, The “Mobile Economy” Section, in *Encyclopedia of GIS, 2nd Edition* (ISBN: 978-3-319-17886-8), Springer, 2017

Journal Editorial Board

- **Associate Editor**, *Electronic Commerce Research and Applications* (IF: 6.014), 2020 - present
- **Associate Editor**, *IEEE Access* (IF: 3.367), 2019 - present
- **Academic Editor**, *PeerJ Computer Science* (IF: 1.392), 2020 - present
- **Guest Editor**, *Stats*, 2022 - 2023

HONORS AND AWARDS

- Best Paper Award, ACM SIGKDD Workshop on Talent and Management Computing, 2021
- ACM Senior Member, 2019
- IEEE Senior Member, 2018
- ACM SIGKDD Best Paper Nominee, 2018
- Distinguished Speaker Award, University of Science and Technology of China, 2018
- Fisher-Long-Whitcomb Teaching Excellence Award, Rutgers University, 2013
- Member, Beta Gamma Sigma Honors Society, 2013

JOURNAL PUBLICATIONS

★ *Corresponding author.*

Alphabetical authorship or joint first-author.

1. Dazhong Shen, Hengshu Zhu, **Keli Xiao**, Xi Zhang, and Hui Xiong. 2023. Exploiting Connections among Personality, Job Position, and Work Behavior: Evidence from Joint Bayesian Learning. *ACM Transactions on Management Information Systems (TMIS)*, forthcoming.
2. Qizhi Wan, Changxuan Wan, **Keli Xiao***, Rong Hu, Dexi Liu, and Xiping Liu. 2023. CFERE: Multi-Type Chinese Financial Event Relation Extraction. *Information Sciences* 630, 119-134.
3. Yue Qu, Chuanren Liu, Kai Zhang, **Keli Xiao**, Bo Jin, and Hui Xiong. 2023. Diagnostic Sparse Connectivity Networks with Regularization Template. *IEEE Transactions on Knowledge and Data Engineering (TKDE)* 35(1), 307-320.
4. Qizhi Wan, Changxuan Wan, **Keli Xiao**, Rong Hu, Dexi Liu. 2023. A Multi-Channel Hierarchical Graph Attention Network for Open Event Extraction. *ACM Transactions on Information Systems (TOIS)* 41(1), 20:1-20:27.
5. Qingxin Meng, **Keli Xiao**, Dazhong Shen, Hengshu Zhu, and Hui Xiong. 2022. Fine-Grained Job Salary Benchmarking with a Nonparametric Dirichlet Process-Based Latent Factor Model. *INFORMS Journal on Computing (IJOC)* 34(5), 2443-2463.

6. Pengzhan Guo, **Keli Xiao**^{*}, Zeyang Ye, Hengshu Zhu, and Wei Zhu. 2022. Intelligent Career Planning via Stochastic Subsampling Reinforcement Learning. *Scientific Reports* 12, Article 8332.
7. Pengzhan Guo, Zeyang Ye, **Keli Xiao**^{*}, and Wei Zhu. 2022. Weighted Aggregating Stochastic Gradient Descent for Parallel Deep Learning. *IEEE Transactions on Knowledge and Data Engineering (TKDE)* 34(10), 5037-5050.
8. Qizhi Wan, Changxuan Wan, **Keli Xiao**, Dexi Liu, Qing Liu, Jiangling Deng, Wenkang Luo, and Rong Hu. 2022. Construction of a Chinese Corpus for Multi-Type Economic Event Relation. *ACM Transactions on Asian and Low-Resource Language Information Processing (TALLIP)* 21(6), 133:1-133:20.
9. Pengzhan Guo, **Keli Xiao**^{*}, Zeyang Ye, and Wei Zhu. 2021. Route Optimization via Environment-Aware Deep Network and Reinforcement Learning. *ACM Transactions on Intelligent Systems and Technology (TIST)* 12(6), 74:1-74:21.
10. Kaiyu Huang, **Keli Xiao**, Fengran Mo, Bo Jin, Zhuang Liu, and Degen Huang. 2021. Domain-Aware Word Segmentation for Chinese Language: A Document-Level Context-Aware Model. *ACM Transactions on Asian and Low-Resource Language Information Processing (TALLIP)* 21(2), 41:1-41:16.
11. Yang An, Yakun Mao, Liang Zhang, Bo Jin, **Keli Xiao**, Xiaopeng Wei, and Jun Yan. 2020. RAHM: Relation Augmented Hierarchical Multi-Task Learning Framework for Reasonable Medication Stocking. *Journal of Biomedical Informatics* 108, Article 103502.
12. **Keli Xiao**^{*#}, Zeyang Ye[#], Lihao Zhang, Wenjun Zhou, Yong Ge, and Yuefan Deng. 2020. Multi-User Mobile Sequential Recommendation for Route Optimization. *ACM Transactions on Knowledge Discovery from Data (TKDD)* 14(5), 52:1-52:28.
13. Zhuang Liu, **Keli Xiao**, Bo Jin, Kaiyu Huang, Degen Huang, and Yunxia Zhang. 2020. Unified Generative Adversarial Networks for Multiple-Choice Oriented Machine Comprehension. *ACM Transactions on Intelligent Systems and Technology (TIST)* 11(3), 25:1-25:20.
14. Zhenya Huang, Qi Liu, Yuying Chen, Le Wu, **Keli Xiao**, Enhong Chen, Haiping Ma, and Guoping Hu. 2020. Learning or Forgetting? A Dynamic Approach for Modeling the Knowledge Proficiency of Students. *ACM Transactions on Information Systems (TOIS)* 38(2), 19:1-19:33.
15. Changxuan Wan, Yun Peng, **Keli Xiao**^{*}, Xiping Liu, Tengjiao Jiang, and Dexi Liu. 2020. An Association-Constrained LDA Model for Joint Extraction of Product Aspects and Opinions. *Information Sciences* 519, 243-259.
16. Frank J. Fabozzi[#] and **Keli Xiao**^{*#}. 2019. The Timeline Estimation of Bubbles: The Case of Real Estate. *Real Estate Economics* 27(2), 564-594.
17. Zeyang Ye, **Keli Xiao**^{*}, Yong Ge, and Yuefan Deng. 2019. Applying Simulated Annealing and Parallel Computing to the Mobile Sequential Recommendation. *IEEE Transactions on Knowledge and Data Engineering (TKDE)* 31(2), 243-256.
18. Jinwen Sun[#], **Keli Xiao**^{*#}, Chuanren Liu, Wenjun Zhou, and Hui Xiong. 2019. Exploiting Intraday Patterns for Market Shock Prediction: A Machine Learning Approach. *Expert Systems with Applications* 127, 272-281.
19. **Keli Xiao**^{*}, Qi Liu, Chuanren Liu, and Hui Xiong. 2018. Price Shock Detection With an

- Influence-Based Model of Social Attention. *ACM Transactions on Management Information Systems (TMIS)* 9(1), 2:1-2:21.
20. Wenjun Zhou, Hui Xiong, Lian Duan, **Keli Xiao**, and Robert Mee. 2018. Paradoxical Correlation Pattern Mining. *IEEE Transactions on Knowledge and Data Engineering (TKDE)* 30(8), 1561-1574.
 21. Frank J. Fabozzi[#] and **Keli Xiao**^{*#}. 2017. Explosive Rents: The Real Estate Market Dynamics in Exuberance. *Quarterly Review of Economics and Finance* 66, 100-107.
 22. Chuanren Liu, Hui Xiong, Spiros Papadimitriou, Yong Ge, and **Keli Xiao**. 2017. A Proactive Workflow Model for Healthcare Operation and Management. *IEEE Transactions on Knowledge and Data Engineering (TKDE)* 29(3), 586-598.
 23. Hao Chen, **Keli Xiao**, Jinwen Sun, and Song Wu. 2017. A Double-Layer Neural Network Framework for High-Frequency Forecasting. *ACM Transactions on Management Information Systems (TMIS)* 7(4), 11:1-11:17.
 24. Liuzhi Yin, Yong Ge, **Keli Xiao**, Xuehua Wang, and Xiaojun Quan. 2013. Feature Selection for High-Dimensional Imbalanced Data. *Neurocomputing* 105, 3-11.
 25. Jinlin Chen and **Keli Xiao**. 2010. BISC: A Bitmap Itemset Support Counting Approach for Efficient Frequent Itemset Mining. *ACM Transactions on Knowledge Discovery from Data (TKDD)* 4(3), 12:1-12:37.

REFEREED CONFERENCE PROCEEDINGS

Conference ranking: The ranking was created by the Australian Computing Research and Education Association (CORE). A, A, B, C, and other, where A* is the best.*

** Corresponding author.*

26. Qizhi Wan, Changxuan Wan, **Keli Xiao**^{*}, Dexi Liu, Chenliang Li, Bolong Zheng, Xiping Liu, and Rong Hu. 2023. Joint Document-Level Event Extraction via Token-Token Bidirectional Event Completed Graph. In *Proceedings of the 61st Annual Meeting of the Association of Computational Linguistics (ACL 2023)*. ACL, Toronto, Canada. (Conference Ranking: A*)
27. Chao Wang, Hengshu Zhu, Qiming Hao, **Keli Xiao**, and Hui Xiong. 2021. Variable Interval Time Sequence Modeling for Career Trajectory Prediction: Deep Collaborative Perspective. In *Proceedings of the 30th Web Conference (WWW 2021)*. ACM, 612-623. (Conference Ranking: A*)
28. Bo Jin, Ke Cheng, Yue Qu, Liang Zhang, **Keli Xiao**, Xinjiang Lu, and Xiaopeng Wei. 2020. Fast Sparse Connectivity Network Adaption via Meta-Learning. In *Proceedings of the 20th IEEE International Conference on Data Mining (ICDM 2020)*. IEEE, Sorrento, Italy. (Conference Ranking: A*)
29. Lihao Zhang, Zeyang Ye, **Keli Xiao**^{*}, and Bo Jin. 2019. A Parallel Simulated Annealing Enhancement of the Optimal-Matching Heuristic for Ridesharing. In *Proceedings of the 19th IEEE International Conference on Data Mining (ICDM 2019)*. IEEE, Beijing, China, 906-915. (Conference Ranking: A*)
30. Pengzhan Guo, Zeyang Ye, and **Keli Xiao**^{*}. 2019. A Weighted Aggregating SGD for Scalable Parallelization in Deep Learning. In *Proceedings of the 19th IEEE International Conference on Data Mining (ICDM 2019)*. IEEE, Beijing, China, 1072-1077. (Conference

Ranking: A*)

31. Shibo Yao, Dantong Yu, and **Keli Xiao**. 2019. Enhancing Domain Word Embedding via Latent Semantic Imputation. In *Proceedings of the 25th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (KDD 2019)*. ACM, Anchorage, AK, USA, 557-565. (Conference Ranking: A*)
32. Qingxin Meng, Hengshu Zhu, **Keli Xiao**, Le Zhang, and Hui Xiong. 2019. A Hierarchical Career-Path-Aware Neural Network for Job Mobility Prediction. In *Proceedings of the 25th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (KDD 2019)*. ACM, Anchorage, AK, USA, 14-24. (Conference Ranking: A*)
33. Liang Zhang, **Keli Xiao***, Hengshu Zhu, Chuanren Liu, Jingyuan Yang, and Bo Jin. 2018. CADEN: A Context-Aware Deep Embedding Network for Financial Opinions Mining. In *Proceedings of the 18th IEEE International Conference on Data Mining (ICDM 2018)*. IEEE, Singapore, 757-766. (Conference Ranking: A*)
34. Qingxin Meng, Hengshu Zhu, **Keli Xiao**, and Hui Xiong. 2018. Intelligent Salary Benchmarking for Talent Recruitment: A Holistic Matrix Factorization Approach. In *Proceedings of the 18th IEEE International Conference on Data Mining (ICDM 2018)*. IEEE, Singapore, 337-346. (Conference Ranking: A*)
35. Zeyang Ye, **Keli Xiao***, and Yuefan Deng. 2018. A Unified Theory of the Mobile Sequential Recommendation Problem. In *Proceedings of the 18th IEEE International Conference on Data Mining (ICDM 2018)*. IEEE, Singapore, 1380-1385. (Conference Ranking: A*)
36. Zeyang Ye, Lihao Zhang, **Keli Xiao***, Wenjun Zhou, Yong Ge, and Yuefan Deng. 2018. Multi-User Mobile Sequential Recommendation: An Efficient Parallel Computing Paradigm. In *Proceedings of the 24th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (KDD 2018)*. ACM, London, UK, 2624-2633. (Conference Ranking: A*)
 - **Best Paper Nominee.**
 - **Invited to:** the special issue on KDD 2018 best papers at the *ACM Transactions on Knowledge Discovery from Data*.
37. Li Zhang, Liang Zhang, **Keli Xiao***, and Qi Liu. 2016. Forecasting Price Shocks with Social Attention and Sentiment Analysis. In *Proceedings of the 2016 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM 2016)*. IEEE, San Francisco, CA, USA, 559-566.
38. Li Zhang, **Keli Xiao***, Qi Liu, Yefan Tao, and Yuefan Deng. 2015. Modeling Social Attention for Stock Analysis: An Influence Propagation Perspective. In *Proceedings of the 15th IEEE International Conference on Data Mining (ICDM 2015)*. IEEE, Atlantic City, NJ, USA, 609-618. (Conference Ranking: A*)
39. Zeyang Ye, **Keli Xiao***, and Yuefan Deng. 2015. Investigation of Simulated Annealing Cooling Schedule for Mobile Recommendations. In *Proceedings of the 15th IEEE International Conference on Data Mining Workshop (ICDMW 2015)*. IEEE, Atlantic City, NJ, USA, 1078-1084.
40. Chuanren Liu, Yong Ge, Hui Xiong, **Keli Xiao**, Wei Geng, and Matt Perkins. 2014. Proactive Workflow Modeling by Stochastic Processes with Application to Healthcare Operation and Management. In *Proceedings of the 20th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (KDD 2014)*. ACM, New York, NY, USA, 1593-1602. (Conference Ranking: A*).

41. Wenjun Zhou, **Keli Xiao**, and Fei Song. 2011. Dynamic Rank Correlation Computing for Financial Risk Analysis. In *Proceedings of the 5th International Conference on Knowledge Science, Engineering and Management (KSEM 2011)*. Springer, Irvine, CA, USA, 269-280. (Conference Ranking: B)
42. Yong Ge, Hui Xiong, Alexander Tuzhilin, **Keli Xiao**, Marco Gruteser, and Michael Pazzani. 2010. An Energy-Efficient Mobile Recommender System. In *Proceedings of the 16th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (KDD 2010)*. ACM, Washington, DC, USA, 899-908. (Conference Ranking: A*)
43. Jinlin Chen and **Keli Xiao**. 2008. Perception-Oriented Online News Extraction. In *Proceedings of the 8th ACM/IEEE-CS Joint Conference on Digital Libraries (JCDL 2008)*. ACM, Pittsburgh, PA, USA, 363-366. (Conference Ranking: A*)

BOOK CHAPTERS

44. **Keli Xiao*** and Li Zhang. 2017. Financial Asset Analysis with Mobile GIS. In Shekhar, S., Xiong, H., & Zhou, X. (Eds.), *Encyclopedia of GIS, 2nd Edition*. Springer.

TEACHING AND STUDENT ADVISING

Teaching at Stony Brook University

- MBA 540 - Data Mining (Graduate)
- FIN 562 - Data Analysis for Finance (Graduate)
- FIN 579 - Advanced Investments (Graduate)
- BUS 331 - International Finance (Undergraduate)
- BUS 375 - Data Mining (Undergraduate)

Teaching at Rutgers University

- 29:623:340 Business Research Methods (Undergraduate)
- 29:390:329 Finance (Undergraduate)

Ph.D. Student Supervising

- Pengzhan Guo (Ph.D. in Applied Mathematics, 2021, co-supervised with Professor Wei Zhu). Initial Placement: *Assistant Professor* at **Duke University (Kunshan)**.
- Zeyang Ye (Ph.D. in Applied Mathematics, 2020, co-supervised with Professor Yuefan Deng). Initial Placement: *Senior Research Engineer* at **Samsung Research America**.
- Liang Zhang (Ph.D. in Applied Mathematics, 2018, co-supervised with Professor Xiaolin Li). Initial Placement: *Lecturer* at **Dongbei University of Finance and Economics**.
- Jinwen Sun (Ph.D. in Quantitative Finance, 2017, co-supervised with Professor Stoyan Stoyanov). Initial Placement: *Quantitative Analyst* at **Citizen Bank**. Now *Senior Data Scientist* at **Bank of New York Mellon**.

Dissertation Committee Member

- Yuanchen Huang (Ph.D. in Applied Mathematics, 2020, Chair: Professor Wei Zhu; Advisor: Professor Song Wu)

- Yuan Tian (Ph.D. in Applied Mathematics, 2020, Chair: Professor Song Wu; Advisor: Professor Wei Zhu)
- Nanqiao Wang (Ph.D. in Applied Mathematics, 2020, Chair: Professor Song Wu; Advisor: Professor Haipeng Xing)
- Chixiang Qiu (Ph.D. in Applied Mathematics, 2020, Chair: Professor Song Wu; Advisor: Professor Wei Zhu)
- Sanket Deshmukh (Ph.D. in Applied Mathematics, 2020, Chair: Professor Wei Zhu; Advisor: Professor Song Wu)
- Yuan Shang (Ph.D. in Operations Research, 2020, Chair: Professor Wei Zhu; Advisor: Professor Jiaoqiao Hu)
- Barnwal Avinash (Ph.D. in Applied Mathematics, 2019, Chair: Professor Zhenhua Liu; Advisor: Professor Wei Zhu)
- Ge Song (Ph.D. in Quantitative Finance, 2019, Chair: Professor Wei Zhu; Advisor: Professor Song Wu)
- Jiaju Yan (Ph.D. in Applied Mathematics, 2017, Chair: Professor Song Wu; Advisor: Professor Wei Zhu)
- Shanshan Li (Ph.D. in Applied Mathematics, 2016. Chair: Professor Jiaoqiao Hu; Advisor: Professor Haipeng Xing)
- Yifan Hu (Ph.D. in Applied Mathematics, 2016. Chair: Professor Song Wu; Advisor: Professor Wei Zhu)
- Junying Zhang (Ph.D. in Applied Mathematics, 2016. Chair: Professor Song Wu; Advisor: Professor Wei Zhu)
- Ke Wang (Ph.D. in Applied Mathematics, 2016. Chair: Professor Svetlozar Rachev; Advisor: Professor Haipeng Xing)
- Xiaojin Dong (Ph.D. in Applied Mathematics, 2016. Chair: Professor Pei-Fen Kuan; Advisors: Professor Haipeng Xing and Professor Wei Zhu)
- Hao Chen (Ph.D. in Applied Mathematics, 2015. Chair: Professor Wei Zhu; Advisor: Professor Song Wu)
- Riyu Yu (Ph.D. in Applied Mathematics, 2015. Chair: Professor Svetlozar Rachev; Advisor: Professor Andrew Mullhaupt)
- E Yang (Ph.D. in Economics, 2015. Chair: Professor Mark Montgomery; Advisor: Professor Warren Sanderson and Professor Sandro Brusco)
- Yikang Chai (Ph.D. in Quantitative Finance, 2014. Chair: Professor James Glimm; Advisor: Professor Svetlozar Ravhev)
- Angela Tsao (Ph.D. in Quantitative Finance, 2014. Chair: Professor James Glimm; Advisor: Professor Svetlozar Ravhev)

PROFESSIONAL ACTIVITIES

Conference Organizing

- 2023, *Co-Chair*, the 1st International Workshop on Artificial Intelligence for Career Science (AICS)

- 2018, *Session Chair*, the 18th IEEE International Conference on Data Mining (ICDM 2018)
- 2017, *Session Chair*, the 2017 Financial Management Association (FMA) Annual Meeting
- 2015, *Session Chair* and *Discussant*, the 2015 Financial Management Association (FMA) Annual Meeting
- 2015, *Web Chair* and *Session Chair*, the 15th IEEE International Conference on Data Mining (ICDM 2015)
- 2013, *Session Co-Chair*, INFORMS 2013 Annual Meeting

Senior Program Committee Member

- 2021, the 30th International Joint Conferences on Artificial Intelligence (IJCAI)

Program Committee Member

- 2023, the 23rd IEEE International Conference on Data Mining (ICDM)
- 2023, the 29th ACM SIGKDD Int'l Conf. on Knowledge Discovery and Data Mining (KDD)
- 2023, the 16th ACM International Conference on Web Search and Data Mining (WSDM)
- 2023, the 40th International Conference on Machine Learning (ICML)
- 2023, the 46th ACM SIGIR Int'l Conf. on Research and Develop. in Info. Retrieval (SIGIR)
- 2023, the 22nd SIAM International Conference on Data Mining (SDM)
- 2022, the 36th Conference on Neural Information Processing Systems (NeurIPS)
- 2022, the 22nd IEEE International Conference on Data Mining (ICDM)
- 2022, the 15th ACM International Conference on Web Search and Data Mining (WSDM)
- 2022, the 31st International Conference on Information and Knowledge Management (CIKM)
- 2022, the 45th ACM SIGIR Int'l Conf. on Research and Develop. in Info. Retrieval (SIGIR)
- 2022, the 28th ACM SIGKDD Int'l Conf. on Knowledge Discovery and Data Mining (KDD)
- 2022, the 39th International Conference on Machine Learning (ICML)
- 2022, the 36th AAAI Conference on Artificial Intelligence (AAAI)
- 2022, the 21st SIAM International Conference on Data Mining (SDM)
- 2021, the 21st IEEE International Conference on Data Mining (ICDM)
- 2021, the 35th Conference on Neural Information Processing Systems (NeurIPS)
- 2021, the 30th International Conference on Information and Knowledge Management (CIKM)
- 2021, the 38th International Conference on Machine Learning (ICML)
- 2021, the 44th ACM SIGIR Int'l Conf. on Research and Develop. in Info. Retrieval (SIGIR)
- 2021, the 27th ACM SIGKDD Int'l Conf. on Knowledge Discovery and Data Mining (KDD)
- 2021, the 27th Int'l Conf. on Database Systems for Advanced Applications (DASFAA)
- 2021, the 35th AAAI Conference on Artificial Intelligence (AAAI)
- 2021, the 20th SIAM International Conference on Data Mining (SDM)
- 2021, the 14th ACM International Conference on Web Search and Data Mining (WSDM)

- 2021, the 51st Southeast Decision Sciences Institute Annual Meeting (SEDSI)
- 2020, the 34th Conference on Neural Information Processing Systems (NeurIPS)
- 2020, the 4th INFORMS Workshop on Data Science
- 2020, the 29th International Conference on Information and Knowledge Management (CIKM)
- 2020, the 43rd ACM SIGIR Int'l Conf. on Research and Develop. in Info. Retrieval (SIGIR)
- 2020, the 26th ACM SIGKDD Int'l Conf. on Knowledge Discovery and Data Mining (KDD)
- 2020, the 20th IEEE International Conference on Data Mining (ICDM)
- 2020, the 19th SIAM International Conference on Data Mining (SDM)
- 2020, the 34th AAAI Conference on Artificial Intelligence (AAAI)
- 2020, the 2020 ISSAT International Conference on Data Science and Intelligent Systems (DSIS)
- 2019, the 28th International Conference on Information and Knowledge Management (CIKM)
- 2019, the 19th IEEE International Conference on Data Mining (ICDM)
- 2019, the 1st IEEE International Conference on Transdisciplinary AI (TransAI)
- 2019, the 3rd INFORMS Workshop on Data Science
- 2019, the 25th ACM SIGKDD Int'l Conf. on Knowledge Discovery and Data Mining (KDD)
- 2019, the 2019 ISSAT International Conference on Data Science and Intelligent Systems (DSIS)
- 2019, the 18th SIAM International Conference on Data Mining (SDM)
- 2019, the 33rd AAAI Conference on Artificial Intelligence (AAAI)
- 2018, the 27th International Conference on Information and Knowledge Management (CIKM)
- 2018, the 2nd INFORMS Workshop on Data Science
- 2018, the 18th IEEE International Conference on Data Mining (ICDM)
- 2018, the 24th ACM SIGKDD Int'l Conf. on Knowledge Discovery and Data Mining (KDD)
- 2018, the 1st IEEE Int'l Conf. on Artificial Intelligence and Knowledge Engineering (AIKE)
- 2018, the 17th SIAM International Conference on Data Mining (SDM)
- 2017, the 17th IEEE International Conference on Data Mining (ICDM)
- 2017, the 26th International Conference on Information and Knowledge Management (CIKM)
- 2017, the 23rd ACM SIGKDD Int'l Conf. on Knowledge Discovery and Data Mining (KDD)
- 2017, the 1st INFORMS Workshop on Data Science
- 2017, the 16th SIAM International Conference on Data Mining (SDM)
- 2016, the 16th IEEE International Conference on Data Mining (ICDM)
- 2016, the 22nd ACM SIGKDD Int'l Conf. on Knowledge Discovery and Data Mining (KDD)
- 2016, the 15th SIAM International Conference on Data Mining (SDM)
- 2016, the 21st Int'l Conf. on Database Systems for Advanced Applications (DASFAA)
- 2015, the 21st ACM SIGKDD Int'l Conf. on Knowledge Discovery and Data Mining (KDD)
- 2015, the 15th IEEE International Conference on Data Mining (ICDM)

- 2015, the 14th SIAM International Conference on Data Mining (SDM)
- 2013, the 13th IEEE International Conference on Data Mining (ICDM)

Selected Talks

- Xiao, K., The 2023 ACM SIGKDD Workshop on Talent and Management Computing, “AI-Enhanced Customizable Career Path Planning: A Long-Term Perspective,” ACM, Long Beach, CA, United States. (August 2023).
- Xiao, K., The 2018 IEEE International Conference on Data Mining (Session: Social), “CADEN: A Context-Aware Deep Embedding Network for Financial Opinions Mining,” IEEE, Singapore. (November 2018).
- Xiao, K., The 2018 INFORMS Annual Meeting (Session: Natural Language Processing and User Generated Content), “Exploring the True Meaning behind Words: The Lexicon Creation for Investor Sentiment,” INFORMS, Phoenix, AZ, United States. (November 2018).
- Xiao, K., The 2017 INFORMS Annual Meeting (Session: Big Data), “Individual Social Behavior and Intra-day Patterns in Market Movements,” INFORMS, Houston, TX, United States. (October 2017).
- Xiao, K., Organizations Management Groups (OMG) Seminar Series, “Exploiting Expert Opinions for Price Shocks Prediction,” Stony Brook University, Stony Brook, United States. (October 7, 2016).
- Xiao, K., The 2016 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining, “Forecasting Price Shocks with Social Attention and Sentiment Analysis,” San Francisco, CA, United States. (August 2016).
- Xiao, K., “The Timeline Estimation of Bubbles: The Case of Real Estate,” Shandong University of Finance and Economics, China. (June 2016).
- Xiao, K., Finance Area Research (FAR) Seminar Series, “Sentiment analysis and market efficiency,” Stony Brook University, Stony Brook, NY, United States. (April 7, 2016).
- Xiao, K., The Workshop on Big Data and Super Computing, “Big Data and Finance: The Case of Stock Analysis,” San Yat-sen University, Guangzhou. (December 2015).
- Xiao, K., Finance Area Research (FAR) Seminar Series, “The Timeline Estimation of Bubbles: The Case of Real Estate,” Stony Brook University, Stony Brook, United States. (2015).
- Xiao, K., The 2013 INFORMS Annual Meeting (Session: Business Analytics in the Big Data Era), “Multi-source Information Fusion for Residential Real Estate Ranking.” (October 2013).

Journal Article Review

- Data Science, Computing, and MIS Journals

- *ACM Computing Survey*
- *ACM Transactions on Data Science*
- *ACM Transactions on Intelligent Systems and Technology*
- *ACM Transactions on Knowledge Discovery from Data*
- *ACM Transactions on Management Information Systems*
- *Data Mining and Knowledge Discovery*
- *Expert Systems*

- *Expert Systems with Applications*
- *Frontiers in Big Data*
- *IEEE Transactions on Big Data*
- *IEEE Transactions on Intelligent Transportation Systems*
- *IEEE Transactions on Knowledge and Data Engineering*
- *IEEE Transactions on Systems, Man and Cybernetics: Systems*
- *IEEE Access*
- *IEEE/CAA Journal of Automatica Sinica*
- *Information Systems Research*
- *INFORMS Journal on Computing*
- *International Journal of Forecasting*
- *Knowledge and Information Systems*
- *Knowledge-Based Systems*
- *Neural Computing and Applications*
- *Mathematical and Computational Applications*

- Economics and Finance Journals

- *Applied Economics*
- *Finance Research Letters*
- *Financial Innovation*
- *Journal of Money, Credit and Banking*
- *Quarterly Review of Economics and Finance*
- *Real Estate Economics*

PROFESSIONAL MEMBERSHIP

- *Senior Member, ACM*
- *Senior Member, IEEE*
- *Member, INFORMS*