

## Xin Li, Ph.D.

Associate Professor

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### EDUCATION

- **Ph.D. Management Information Systems** (2004-2009)  
Department of Management Information Systems, Eller College of Management,  
University of Arizona, Tucson, AZ, USA
- **M.E., Control Theory and Control Engineering** (2000-2003)  
Department of Automation,  
Tsinghua University, Beijing, P. R. China
- **B.E., Automation** (1996-2000)  
Department of Automation,  
Tsinghua University, Beijing, P. R. China

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### RESEARCH INTEREST

- Data Science
- E-commerce
- Social Media
- Social Network Analysis
- Econometrics

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### WORKING EXPERIENCE

- **Associate Professor** 2016-now  
Department of Information Systems, City University of Hong Kong
- **Assistant Professor** 2009-2016  
Department of Information Systems, City University of Hong Kong
- **Program Leader of BBA Global Business System Management** 2016-2019  
Department of Information Systems, City University of Hong Kong
- **Associate Director** 2012-2018  
Advanced Intelligent Systems Research Center, CityU Shenzhen Research Institute
- **Visiting Professor** 2010-2013; 2015-2018  
Institute of Automation, China Academic of Sciences
- **Research Associate** (Funded by NSF and NIH), 2004-2009  
AI Lab, Dept. of Management Information Systems, University of Arizona
- **Associate Consultant** 2003-2004  
Oracle Software Systems Ltd. Co., Beijing
- **Research Assistant** (Funded by China 863 Program), 1999-2003  
Department of Automation, Tsinghua University

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### TEACHING EXPERIENCE

- **Lecturer:**  
FB5807 "Management Information Systems," City University of Hong Kong, 2019, Spring, Summer  
CB2023 "Mobile Applications for Business," City University of Hong Kong, 2018~2019, Spring  
IS3100 "Techniques for Big Data," City University of Hong Kong, 2017~2019, Fall  
IS6400 "Business Data Analytics," City University of Hong Kong, 2011~2017, Spring  
FB6711 "Data Mining and Analytics for Management," City University of Hong Kong, 2016 Spring

FB5003 "Introduction to Management Information Systems," City University of Hong Kong, 2010 Spring, 2010 Summer, and 2011 Spring

MIS331 "Database Management Systems," University of Arizona, 2008 Spring

MIS373 "Basic Operations Management," University of Arizona, 2006 Summer

- **Joint/Guest Lecturer:**

EC6001 "Ecommerce Project," City University of Hong Kong, 2009~now, Every Year

IS6912 "Information Systems Project," City University of Hong Kong, 2010, 2013

MIS301 "Introduction to Business Programming," University of Arizona, 2007 Spring

- **Teaching Assistant:**

MIS596 "Biomedical and Security Informatics," University of Arizona, 2007 Spring

MIS580 "Knowledge Management," University of Arizona, 2007 Spring, and 2005 Fall

MIS510 "Data and Web Mining," University of Arizona, 2007 Spring

MIS531A "Data Structures and Algorithms," University of Arizona, 2005 Fall

## JOURNAL PUBLICATIONS

- **Selected Journals:**

1. Juan Feng, **Xin Li**, and Michael Zhang, "Online Product Reviews-Triggered Dynamic Pricing: Theory and Evidence," *Information Systems Research*, 2019, 30(4), 1107-1123

2. Shaokun Fan, **Xin Li**, and Leon Zhao, "Collaboration Process Pattern Approach to Improving Teamwork Performance: A Data Mining-Based Methodology," *INFORMS Journal on Computing*, 2017, 29(3), 438- 456

3. Weiyun Chen, **Xin Li**, and Daniel Zeng, "Modelling Fixed Odds Betting for Future Event Prediction," *MIS Quarterly*, 2017, 41(2), 645-665

4. **Xin Li**, Kun Chen, Sherry Sun, Terrance Fung, Huaiqing Wang, and Daniel Zeng, "A Commonsense Knowledge-enabled Textual Analysis Approach for Financial Market Surveillance," *INFORMS Journal on Computing*, 2016, 28(2),278-294

5. **Xin Li**, Sherry Sun, Kun Chen, Terrance Fung, and Huaiqing Wang, "Design Theory for Market Surveillance Systems," *Journal of Management Information Systems*, 2015, 32(2), 278-313

6. **Xin Li**, Hsinchun Chen, Zhu Zhang, Jiexun Li, and Jay F. Nunamaker, "Managing Knowledge in Light of its Evolution Process: An Empirical Study on Citation Network-based Patent Classification," *Journal of Management Information Systems*, 2009, 26(1), 129-153

7. Hsinchun Chen, Mihail C. Roco, **Xin Li**, and Yiling Lin, "Trends in Nanotechnology Patents," *Nature Nanotechnology*, 2008, 3(3), 123-125

- **Major IS Journals:**

8. Mengyue Wang, **Xin Li**, and Patrick Chau, "Leveraging Image-Processing Techniques for Empirical Research: Feasibility and Reliability in Online Shopping Context," with *Information Systems Frontiers*, (forthcoming)

9. Jiaqi Yan, **Xin Li**, Yani Shi, Sherry X Sun, and Huaiqing Wang, "The Effect of Intention Analysis-based Fraud Detection Systems in Repeated Supply Chain Quality Inspection: A Context of Learning and Contract," *Information & Management* (forthcoming)

10. Jiaqi Yan, **Xin Li**, Sherry X Sun, Yani Shi, and Huaiqing Wang, "A BDI Modeling Approach for Decision Support in Supply Chain Quality Inspection," *IEEE Transactions on Systems, Man, and Cybernetics: Systems* (forthcoming)

11. Yan Yu, Min Li, **Xin Li**, Leon Zhao, and Dingtao Zhao, "Effects of entrepreneurship and IT fashion on SMEs' transformation toward cloud service through mediation of trust," *Information & Management*, 2018, 55(2), 245-257

12. Haidong Zhang, Wancheng Ni, **Xin Li**, and Yiping Yang, "Modeling the Heterogeneous Duration of User Interest in Time-Dependent Recommendation: A Hidden Semi-Markov Approach," *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, 2018, 48(2), 177 - 194

13. **Xin Li** and Alex Wang, "The Technology and Economic Determinants of Cryptocurrency Exchange Rates: The Case of Bitcoin," *Decision Support Systems*, 2017, 95, 49-60

14. Jiexun Li, **Xin Li**, and Bin Zhu, "User Opinion Classification in Social Media: A Global Consistency Maximization Approach," *Information & Management*, 2016, 53(8), 987-996

15. T-P Liang, **Xin Li**, Chin-Tsung Yang, and Mengyue Wang, "What in Consumer Reviews Affects the Sales of Mobile Apps: A Multi-Facet Sentiment Analysis Approach," *International Journal of Electronic Commerce*, 2015, 20(2), 236-260
  16. **Xin Li**, Mengyue Wang, and Ting-Peng Liang, "A Multi-theoretical Kernel-based Approach to Social Network-based Recommendation," *Decision Support Systems*, 2014, 65, 95–104.
  17. Jie Zhang, Yanwu Yang, **Xin Li**, Rui Qin, and Daniel Zeng, "Dynamic Dual Adjustment of Daily Budgets and Bids in Sponsored Search Auctions," *Decision Support Systems*, 2014, 57, 105–114.
  18. **Xin Li**, and Hsinchun Chen, "Recommendation as Link Prediction in Bipartite Graphs: A Graph Kernel-based Machine Learning Approach," *Decision Support Systems*, 2013, 54(2), 880-890.
  19. Zhu Zhang, **Xin Li**, and Yubo Chen, "Deciphering "Word"-of-Mouth in Social Media: Text-based Metrics of Consumer Reviews," *ACM Transactions on Management Information Systems*, 2012, 3(1), 5.
  20. Jiexun Li, Zhu Zhang, **Xin Li**, and Hsinchun Chen, "Kernel-based Learning for Biomedical Relation Extraction," *Journal of the American Society for Information Science and Technology*, 2008, 59(5), 756-769
- **Informatics:**
    21. Sijia Zhou, and **Xin Li**, "Feature Engineering vs. Deep Learning for Paper Section Identification: Toward Applications in Chinese Medical Literature," *Information Processing and Management* (forthcoming)
    22. Min Li, Yan Yu, **Xin Li**, Leon Zhao, and Dingtao Zhao, "Determinants of SMEs' Transformation toward Cloud Service: Perspectives of Economic and Social Rationalities," *Pacific Asia Journal of the Association for Information Systems*, 2019, 11(1), 65-87
    23. Yanwu Yang, Xin Li, Daniel Zeng, and Jim Jansen, "Aggregate Effects of Advertising Decisions: A Complex Systems Look at Search Engine Advertising via an Experimental Study," *Internet Research*, 2018, 28(4), 1079-1102
    24. Mengyue Wang, and **Xin Li**, "Effects of the Aesthetic Design of Icons on APP Downloads: Evidence from an Android Market," *Electronic Commerce Research*, 2017, 17(1), 83–102
    25. Jiaxing Shang, Shangbo Zhou, **Xin Li**, Lianchen Liu, and Hongchun Wu, "CoFIM: A Community-based Framework for Influence Maximization on Large-scale Networks," *Knowledge-based Systems*, 2017, 117, 88–100
    26. Kun Chen, **Xin Li**, Baoxun Xu, Jiaqi Yan, and Huaqing Wang, "Intelligent Agents for Adaptive Security Market Surveillance", *Enterprise Information Systems*, 2017, 11(5), 652-671
    27. Jiaxing Shang, Lianchen Liu, **Xin Li**, Feng Xie, and Cheng Wu, "Targeted Revision: A Learning-based Approach for Incremental Community Detection in Dynamic Networks," *Physica A: Statistical Mechanics and its Applications*, 2016, 443, 70-85
    28. Weiyun Chen, **Xin Li**, and Daniel Dajun Zeng, "Simple is Beautiful: Toward Light Prediction Markets," *IEEE Intelligent Systems*, 2015, 30(3), 76-80
    29. Shaofeng Zhang, Wei Xiong, Wancheng Ni, and **Xin Li**, "Value of Big Data to Finance: Observations on an Internet Credit Service Company in China," *Financial Innovation*, 2015, 1, 17
    30. Kun Chen, **Xin Li**, and Huaqing Wang, "On the Model Design of Integrated Intelligent Big Data Analytic Systems", *Industrial Management & Data Systems*, 2015, 115(9), 1666-1682
    31. Jiaxing Shang, Lianchen Liu, **Xin Li**, Feng Xie, and Cheng Wu, "Epidemic Spreading on Complex Networks with Overlapping and Non-overlapping Community Structure," *Physica A: Statistical Mechanics and its Applications*, 2015, 419, 171–182.
    32. Wei Wang, Shaoyi Liao, **Xin Li**, and Jimmy Ren, "The Process of Information Propagation along a Traffic Stream through Inter-vehicle Communication," *IEEE Transactions on Intelligent Transportation Systems*, 2014, 15(1), 345-354.
    33. Jiawei Wang, **Xin Li**, Shaoyi Liao, and Zhongsheng Hua, "A Hybrid Approach for Automatic Incident Detection," *IEEE Transactions on Intelligent Transportation Systems*, 2013, 14(3), 1176-1185.
    34. Weiyun Chen, **Xin Li**, and Daniel Dajun Zeng, "Prediction Market: A Raising Prediction Approach," *Overseas Scholars*, 2012, (3), 98-112

35. **Xin Li**, Hsinchun Chen, Jiexun Li, and Zhu Zhang, "Gene Function Prediction with Gene Interaction Networks: A Context Graph Kernel Approach," *IEEE Transactions on Information Technology in Biomedicine*, 2010, 14(1), 119-128.
  36. Hsinchun Chen, **Xin Li**, Michael Chau, Yi-Jen Ho, and Chunju Tseng, "Using Open Web APIs in Teaching Web Mining," *IEEE Transactions on Education*, 2009, 52(4), 482-490.
  37. **Xin Li**, Hsinchun Chen, Zan Huang, Hua Su, and Jesse Martinez, "Global Mapping of Gene/Protein Interactions in PubMed Abstracts: A Framework and an Experiment with P53 Interactions," *Journal of Biomedical Informatics*, 2007, 40(5), 453-464
  38. Jiexun Li, **Xin Li**, Hua Su, Hsinchun Chen, and David W. Galbraith, "A Framework of Integrating Gene Relations from Heterogeneous Data Sources: An Experiment on Arabidopsis Thaliana," *Bioinformatics*, 2006, 22(16), 2037-2043
  39. **Xin Li**, Lianchen Liu, and Cheng Wu, "Goal Programming-based AHP Criteria Weight Learning Algorithm," *Journal of Tsinghua University*, 2004, 44(4), 466-469
  40. **Xin Li**, Cheng Wu, and Lianchen Liu, "Research on Vendor Selection in Vertical Business-to-business Marketplace," *Computer Integrated Manufacturing Systems*, 2003, 9(4), 270-275
  41. **Xin Li**, Lianchen Liu, and Wu Cheng, "Dynamic Attribute-based E-commerce Market and Its Search System," *Journal of Computer Applications*, 2003, 7(23), 80-82
  42. **Xin Li**, and Lin Zhang, "An Architecture of Network Electric Appliance Based on Markup Language Interface," *Computer Application and Software*, 2003, 2(20), 26-27, 57
  43. **Xin Li**, Lianchen Liu, Cheng Wu, and Lin Zhang, "An E-Business Model Based on P2P," *Computer Integrated Manufacturing Systems*, 2002, 8(11), 858-862
  44. **Xin Li**, Lianchen Liu, and Cheng Wu, "ActiveX Based Remote Software Deployment," *Journal of Computer Applications*, 2002, 12 (22), 44-47
  45. Honghua Zhang, Hongming Li, Guangrui Zou, and **Xin Li**, "Research on Simulation and Station-keeping Strategy of The Circular Constellation," *Chinese Space Science and Technology*, 2000, 6: 15-22
- **Scientometrics:**
    46. Linjing Li, **Xin Li**, Changjian Cheng, Cheng Chen, Guanyan Ke, Daniel Dajun Zeng, William T. Scherer, "Research Collaboration and ITS Topic Evolution: 10 Years at T-ITS," *IEEE Transactions on Intelligent Transportation Systems*, 2010, 11(3), 517-523.
    47. Linjing Li, **Xin Li**, Zhenjiang Li, Daniel Dajun Zeng, William T. Scherer, "A Bibliographic Analysis of the IEEE Transactions on Intelligent Transportation Systems Literature", *IEEE Transactions on Intelligent Transportation Systems*, 2010, 11(2), 251-255.
    48. Qingpeng Zhang, Zhuo Feng, **Xin Li**, Xiaolong Zheng, Liu Zhang, "25 Years of Collaborations in IEEE Intelligent Systems," *IEEE Intelligent Systems*, 2010, 25(6), 67-75
    49. Zhuo Feng, Qingpeng Zhang, **Xin Li**, Guanyan Ke, Gang Xiong, "A Bibliographic Analysis of IEEE Intelligent Systems Publications," *IEEE Intelligent Systems*, 2010, 25(6), 59-66
    50. Xuan Liu, Pengzhu Zhang, **Xin Li**, Hsinchun Chen, Yan Dang, Cathy Larson, Mihail C. Roco, and Xianwen Wang, "Trends for Nanotechnology Development in China, Russia, and India," *Journal of Nanoparticle Research*, 2009, 11(8), 1845-1866.
    51. **Xin Li**, Daning Hu, Yan Dang, Hsinchun Chen, Mihail C. Roco, Cathy Larson, and Joyce Chan, "Nano Mapper: An Internet Knowledge Mapping System for Nanotechnology Development," *Journal of Nanoparticle Research*, 2009, 11(3), 529-552
    52. **Xin Li**, Hsinchun Chen, Yan Dang, Yiling Lin, Cathy Larson, and Mihail C. Roco, "A Longitudinal Analysis of Nanotechnology Literature: 1976-2004," *Journal of Nanoparticle Research*, 2008, 10(1), 3-22
    53. **Xin Li**, Yiling Lin, Hsinchun Chen, and Mihail C. Roco, "Worldwide Nanotechnology Development: A Comparative Study of USPTO, EPO, and JPO Patents (1976-2004)," *Journal of Nanoparticle Research*, 2007, 9(6), 977-1002
    54. **Xin Li**, Hsinchun Chen, Zan Huang, and Mihail C. Roco, "Patent Citation Network in Nanotechnology (1976-2004)," *Journal of Nanoparticle Research*, 2007, 9(3), 337-352
    55. Zan Huang, Hsinchun Chen, **Xin Li**, and Mihail C. Roco, "Connecting NSF Funding to Patent Innovation in Nanotechnology (2001 – 2004)," *Journal of Nanoparticle Research*, 2006, 8(6), 859-879

## CONFERENCE PROCEEDINGS

- **Major IS Conferences:**

56. Yidi Liu and **Xin Li**, " Promotional Activities and Relational Maintenance in Social Commerce: An Empirical Study," *Workshop on Information Technologies and Systems (WITS)*, 2019.
57. Sijia Zhou, Yanzhen Chen, and **Xin Li**, " Jump-start Mobile Health: The Impact of E-prescription on Online Health Consultation Demand," *Workshop on Information Technologies and Systems (WITS)*, 2019.
58. Angela Yu, Min Li, Jinxing Hao, Leon J. Zhao, and **Xin Li**, " Mediating Role of Trust Brief in SMEs' Strategic Choice of Cloud Service," *Americas Conference on Information Systems (AMCIS)*, 2017
59. Haidong Zhang, Wancheng Ni, **Xin Li**, Yiping Yang, "Modeling Idle Customers to Tackle the Sparsity Problem in Time-dependent Recommendation," *International Conference on Information Systems (ICIS)*, 2016
60. Mengyue Wang, **Xin Li**, and Patrick Chau, " Image Analysis to Assess the Impact of Photo Aesthetics on Online Consumer Click-through: An Empirical Study," *International Conference on Information Systems (ICIS)*, 2016
61. Haidong Zhang, Wancheng Ni, **Xin Li**, Yiping Yang, "A Hidden Semi-Markov Approach for Time-dependent Recommendation:," *Pacific Asia Conference on Information Systems (PACIS)*, 2016
62. **Xin Li**, Mengyue Wang, and Yubo Chen, " The Impact of Product Photo on Online Consumer Purchase Intention: An Image-processing Enabled Empirical Study," *Pacific Asia Conference on Information Systems (PACIS)*, 2014
63. **Xin Li**, Susanna Ho, and Yubo Chen, " Crowdsourcing for Innovations: Two Effects of Submission Openness on Task Success," *Workshop on Information Technologies and Systems (WITS)*, 2014.
64. Jiexun Li, **Xin Li**, and Bin Zhu, " Collective Opinion Classification: A Global Consistency Maximization Approach," *Workshop on Information Technologies and Systems (WITS)*, 2014.
65. Yanwu Yang, and **Xin Li**, "An Artificial Society-based Simulation Framework for Sponsored Search Auctions," *Workshop on Information Technologies and Systems (WITS)*, 2013.
66. **Xin Li**, and Mengyue Wang, " A Multitheoretical Framework for Social Network-based Recommendation," *International Conference on Information Systems (ICIS)*, 2012
67. Jiawei Wang, Jimmy Ren, Wei Wang, **Xin Li**, Qiudan Li, and Shaoyi Liao, " When Multivariate Forecasting Meets Unsupervised Feature Learning - Towards a Novel Anomaly Detection Framework for Decision Support," *International Conference on Information Systems (ICIS)*, 2012
68. Min Li, Angela Yu, Leon J. Zhao, and **Xin Li** "Drivers for Strategic Choice of Cloud Computing as Online Service in SMEs," *International Conference on Information Systems (ICIS)*, 2012
69. Weiyun Chen, **Xin Li**, and Daniel Dajun Zeng, "Exploring Crowds' Mean Belief in Fixed Odds Betting for Event Prediction," *Workshop on Information Technologies and Systems*, 2012
70. Yanwu Yang, Rui Qin, Jie Zhang, **Xin Li**, and Daniel Dajun Zeng, " Budget Planning for Coupled Campaigns in Search Auctions," *Workshop on Information Technologies and Systems (WITS)*, 2012.
71. Juan Feng, and **Xin Li**, " Rising or Dropping: the Consumer Review-oriented Pricing Paradox," *International Conference on Information Systems (ICIS)*, 2011
72. Jie Zhang, Yanwu Yang, Rui Qin, Daniel Dajun Zeng, and **Xin Li**, " Dynamic Budget Adjustment in Search Auctions," *Workshop on Information Technologies and Systems (WITS)*, 2011
73. Youzhong Wang, Daniel Dajun Zeng, Jiesi Cheng, and **Xin Li**, "Modeling Individual's Infectiousness and Susceptibility in Social Contagion," *Workshop on Information Technologies and Systems (WITS)*, 2011
74. **Xin Li**, Hsinchun Chen, Su Li, "Exploiting Emotions in Social Interactions to Detect Online Social Communities," *Pacific Asia Conference on Information Systems (PACIS)*, 2010.
75. **Xin Li**, Kun Chen, Terrance Fung, Sherry X Sun, Huaqing Wang, "Commonsense Knowledge Aided News Analysis for Stock Market Surveillance," *Workshop on Information Technologies and Systems (WITS)*, 2010.
76. Zhu Zhang and **Xin Li**, " Controversy is Marketing: Mining Sentiments in Social Media," *Hawaii International Conference on System Sciences (HICSS)*, 2010
77. David Zimbra, Tianjun Fu, and **Xin Li**, "Assessing Public Opinions Through Web 2.0: A Case Study on Wal-Mart," *International Conference on Information Systems (ICIS)*, 2009

- **Other Conferences:**

78. Sijia Zhou, Yidi Liu, **Xin Li**, Yong Tan, Wenqing Lin, Xu Cheng, Zeng Zhao, and Ligang Chen, "Social Influence in MOBA Game Business: The Tangle of Long and Short-term Relations," *Workshop on E-Business (Web)*, 2019.
79. Jingwei Da, Sijia Zhou, Yidi Liu, Danni Yan, **Xin Li**, Jiaqi Yan, Yani Shi, and Zhongmin Wang "Prediction of Hospital Readmission for Heart Disease: A Deep Learning Approach," *International Conference for Smart Health (ICSH)*, 2019
80. Huasi Xu, Yidi Liu and **Xin Li**, "An Empirical Study on Friend Circle Structure and Social Commerce Promotion Effectiveness: Homogeneity vs. Grouping," *China Summer Workshop on Information Management*, 2019
81. Sijia Zhou and **Xin Li**, "Section Identification to Improve Information Extraction from Chinese Medical Literature," *International Conference for Smart Health*, 2018
82. Haobo Gu and **Xin Li**, "A Hybrid Markov Random Field Model for Drug Interaction Prediction," *International Conference for Smart Health*, 2017
83. **Xin Li**, Haobo Gu, and Yu Tong, "MedC: Exploring & Predicting Medicine Interactions to Support Integrative Chinese Medicine," *International Conference for Smart Health*, 2016
84. **Xin Li**, Yu Tong, and Wen Wang, "MedC: A Literature Analysis System for Chinese Medicine Research," *International Conference for Smart Health*, 2015
85. Ting-Peng Liang, **Xin Li**, Chin-Tsung Yang and Mengyue Wang, "What in Consumer Reviews Affects the Sales of Mobile Apps: the Information Systems Success Perspective," *Taiwan Summer Workshop on Information Systems*, 2014
86. Mengyue Wang, and **Xin Li**, "The Effects of Icon Aesthetic Design on Users' Download Decision from Android Market," *International Workshop on Big Data Commerce*, 2014
87. **Xin Li**, Xin Su, and Mengyue Wang, "Social Network-based Recommendation: A Graph Random Walk Kernel Approach," *ACM/IEEE-CS Joint Conference on Digital Libraries*, 2012
88. Shaokun Fan, **Xin Li**, and Leon J. Zhao, "Collaboration Process Patterns and Efficiency of Issue Resolution in Software Development," *International Conference on Collaboration Technologies and Systems*, 2012
89. Weiyun Chen, and **Xin Li**, "Deciphering Wisdom of Crowds from Their Influenced Binary Decisions," *International Conference on Intelligence and Security Informatics*, 2012
90. Min Li, Angela Yu, Leon J. Zhao, and **Xin Li**, "Small and Medium Enterprises' Service Transformation Intention towards Online Information Service: the Role of Perceived Risk and Trust," *Workshop on Business Processes and Services*, 2012
91. Weiyun Chen, **Xin Li**, and Daniel Dajun Zeng, "Re-interpreting Prediction Market Price as Aggregated Probabilities," *The Third Chinese Conference on Social Computing*, 2011
92. Weiyun Chen, **Xin Li**, and Daniel Dajun Zeng, "Estimating Collective Belief in Fixed Odds Betting," *Pacific Asia Workshop on Intelligence and Security Informatics*, 2011
93. **Xin Li** and Hsinchun Chen, "Recommendation as Link Prediction: A Graph-based Machine Learning Approach," *ACM/IEEE-CS Joint Conference on Digital Libraries*, 2009
94. **Xin Li**, Hsinchun Chen, Zhu Zhang and Jiexun Li, "Automatic Patent Classification using Citation Network Information: An Experimental Study in Nanotechnology," *ACM/IEEE-CS Joint Conference on Digital Libraries*, 2007, 419-427
95. **Xin Li**, Jiexun Li, Zhu Zhang, and Hsinchun Chen, "Graph Kernel-based Learning for Gene Function Prediction from Gene Interaction Network," *IEEE International Conference on BioInformation and BioMedicine*, 2007, 368-373
96. Jiexun Li, **Xin Li**, Hua Su, and Hsinchun Chen, "A Bayesian Framework of Integrating Gene Functional Relations from Heterogeneous Data Sources," *American Medical Informatics Association Spring Congress*, 2006
97. Zan Huang, **Xin Li**, and Hsinchun Chen, "Link Prediction Approach to Collaborative Filtering," *ACM/IEEE-CS Joint Conference on Digital Libraries*, 2005, 141-142

## CONFERENCE PRESENTATIONS

98. Yidi Liu and **Xin Li**, "Promotional Activities and Relational Maintenance in Social Commerce: An Empirical Study," *POMS Hong Kong International Conference*, 2020.
99. **Xin Li**, and Yu Tong, "MedC: A Chinese Medicine Literature Analysis System for Evidence-Based Theorization," *Asia Pacific Conference on Evidence-Based Medicine*, 2015
100. Hsinchun Chen, Xin Li, Tianjun Fu, David Zimbra, Xiangbin Yan, Jiyoun Woo, "The Market as a Conversation: A Web 2.0 Case Study of Wal-Mart," *Hawaii International Conference on System Sciences Symposium: Service-Dominant Logic and the Market as a Service System*,

2009

101. Xin Li and Hsinchun Chen, "Nanotechnology Patent Publication, Citation, and Classification: An Informatics Approach," North Carolina Law Review Symposium, 2008

## BOOK CHAPTERS, AND MONOGRAPHS

102. Weiyun Chen, Xin Li, and Daniel Dajun Zeng, "Prediction Market: A Raising Prediction Approach," Progress in Research on Information Management and Information Systems, ed. Feicheng Ma, Wuhan University Press, 2017
103. Shaofeng Zhang, Wei Xiong, Wancheng Ni, and Xin Li, "Value of Big Data to Finance: Observations on an Internet Credit Service Company in China," The Development and Perspectives of Inclusive Finance in China, ed. Yan Li, Renmin Press, 2016

## PATENTS AND COPYRIGHTS

104. **Xin Li**, "Chinese Medicine Literature Analysis System," China Computer Software Copyright, 2017

## GRANTS

- **Principal Investigator:**

- **External Grants:**

1. RGC GRF 11500519: "Online Information-aided Pricing: Toward Deeper Understanding of Signals in Unstructured Data"
2. RGC GRF 11503115: "Product Photographic Presentation and Online Consumer Behavior: The Role of Image Features in E-commerce"
3. NSFC 71572169: "SMEs' Social Commerce: The Value of Local Social Networks to E-commerce and the Impact of Commercial Activities on Social Networks"
4. GuangDong NSF 2015A030313876: "The Impact of Social Network on E-commerce and Marketing"
5. GD-Science and Technology 2014A020221090: "Text Mining and Knowledge Mapping Techniques for Chinese Medicine Literature Analysis and Knowledge Management"
6. RGC GRF 149412: "A Belief-Desire-Intention Modeling Approach for Decision Support in Inspection-Oriented Quality Management"

- **Internal Grants:**

7. CityU SRG 7005195: "Toward Deeper Understanding of Communications for Management"
8. CityU SRG 7004287: "The Impacts of Product Presentation on Online Consumer Purchase: An Empirical Study on Image Data in Social Shopping Websites"
9. CityU SRG 7004142: "Ontology-enhanced News Analysis to Improve the Detection of Anomalous Activities in Financial Markets"
10. CityU 9360147 (Centre for Social Media Marketing and Business Intelligence) sub-project: "The Interaction of Pricing, Social Media, and Sales in E-commerce"
11. CityU SG 7003008: "Quantifying the Impact of Online Product Visual Presentation on Social Shopping: An Image Processing-enabled Empirical Study"
12. CityU SRG 7002898: "Commonsense Knowledge-enhanced Textual Analysis for Market Surveillance"
13. CityU SRG 7002625: "Fine Granularity Assessment of Virtual Community Activities in Web 2.0 through Emotion-aware Community Detection"
14. CityU SRG 7002518: "Link Prediction in Bipartite Graphs: A Kernel-based Approach for Recommendation"
15. CityU StUp 7200170: "Assessing Online Community Structures and Activities: A Combined Approach of Social Network and Sentiment Analysis,"

- **Co-investigator:**

16. RGC GRF 11500519: "Online Information-aided Pricing: Toward Deeper Understanding of Signals in Unstructured Data"
17. CityU APRC 9610365: "Big Data Framework for Research and Innovation"
18. NSFC 71401148: "The Impact of Sponsored Ranking on the Efficiency and Fairness of Search Engine"
19. CityU ARD 9686001: "Advanced Intelligent Information Systems Research Centre (ATIS)"
20. RGC ITF 9442007: "A Prototype of Vehicle Safety and Passenger Information Services: A Road Trial Run Program"

21. RGC ITF 9442006: "Intelligent Transportation Systems: Public Transportation Vehicle Safety & Information Services System"
  22. RGC ITF 9442005: "Intelligent Transportation Systems: Vehicle-to-Vehicle-based Mobile-Vehicle Integration Technology and Applications"
  23. NSFC 71103180: "A study on the Diffusion Mechanism of Drug's Online WOM using Social Network Dynamics Approach"
  24. CityU SRG 7002630: "The Design of an Intelligent Agent Based Surveillance System for Securities Trading Markets"
  25. RGC PPR 9056003: "Enhancing Hong Kong SMEs' Competitiveness via Open Information Services"
- **Major Contributor:**
    26. NSF 0926270: "Unveiling Trends in Global Nanotechnology Research and Development"
    27. NSF 0738803: "Inter-Repository Patent Analysis to Understand Worldwide Nanotechnology Research and Development"
    28. NSF 0654232: "Worldwide Nanotechnology Development: A Comparative Study of Global Patents"
    29. NSF 0549663: "Mapping Nanotechnology Development Based on the ISI Literature-Citation Database"
    30. NSF 0533749: "NanoMap: Mapping Nanotechnology Development"

## AWARDS AND HONORS

1. Dean's Research Excellence Award, College of Business, City University of Hong Kong (2018)
2. Doctoral Student Dean's Research Award, Eller College University of Arizona (2008)
3. Graduate Assistantship, University of Arizona (2004-2009); funded by NSF & NIH
4. GRS Scholarship, University of Arizona (2006-2009)
5. Oracle Beijing Outstanding Freshman, Oracle Ltd. Co. (2004)
6. Tsinghua Outstanding Master Thesis, Tsinghua University (2003)
7. CIMS ERC Outstanding Student Scholarship, CIMS ERC Tsinghua University (2003)
8. Tsinghua- RockWell Scholarship, Tsinghua University (2002)
9. Tsinghua Outstanding Graduate, Tsinghua University (2000)
10. Tsinghua-FedEx Scholarship, Tsinghua University (1999)
11. Tsinghua-SANWA Scholarship, Tsinghua University (1998)
12. Tsinghua University Outstanding Student Scholarship, Tsinghua University (1997)
13. Tsinghua University Outstanding Freshman Scholarship, Tsinghua University (1996)

## PROFESSIONAL ACTIVITIES

- **Journal Editorial Service**  
*ACM Transactions on Management Information Systems, 2017-, Associate Editor*  
*INFORMS Journal on Computing, 2019-, Associate Editor*  
*Information Systems Frontiers, 2012, 2016, 2017 Corresponding Editor*  
*Information Technology & People, 2017 Senior Editor*  
*Journal of the Association for Information Systems Special Issue, 2017, SE*  
*Management Information Systems Quarterly Special Issue, 2017, AE*
- **Conference Editorial Services:**  
*International Conference on e-Business, 2010, Mini-track Chair*  
*International Conference on Information Systems, 2017, 2018 AE*  
*International Conference for Smart Health, 2017, Program Co-chair*  
*2015, Session Chair*  
*International Summit on Smart Finance, 2016, Technology Co-chair*  
*IEEE International Conference on Bioinformatics and Biomedicine, 2007, Session Chair*  
*Pacific Asia Conference on Information Systems, 2010, 2014 Session Chair,*  
*2016~2018, 2020 Track Chair*  
*Workshop on Business Processes and Services, 2012~2014 Track & Session Chair*
- **Review Service for Journals:**  
*ACM Transactions on Information Systems*  
*ACM Transactions on Management Information Systems*  
*Acta Automatica Sinica*



*British Journal of Management*  
*Communications of the International Information Management Association*  
*Data Base for Advances in Information Systems*  
*Decision Support Systems*  
*Economic Modeling*  
*Electronic Commerce Research and Applications*  
*European Journal on Operational Research*  
*Expert Systems with Applications*  
*Finance Research Letters*  
*Frontiers of Computer Science*  
*IEEE Access*  
*IEEE Intelligent Systems*  
*IEEE Systems Journal*  
*IEEE Transactions on Intelligence Transportation Systems*  
*IEEE Transactions on Knowledge and Data Engineering*  
*IEEE Transactions on Service Computing*  
*IEEE Transactions on Systems, Man, and Cybernetics- Systems*  
*IIE Transactions*  
*Information & Management*  
*Information Systems and e-Business Management*  
*Information Systems Frontiers*  
*Information Systems Journal*  
*Information Systems Research*  
*INFORMS Journal on Computing*  
*International Journal of Electronic Commerce*  
*Internet Research*  
*Management Information Systems Quarterly*  
*Nature Protocols*  
*Network Modeling Analysis in Health Informatics and Bioinformatics*  
*Neural Computing and Applications*  
*Journal of Electronic Commerce Research*  
*Journal of Global Information Management*  
*Journal of Information Science*  
*Journal of Management Information Systems*  
*Journal of Management Science/Guan Li Ke Xue (in Chinese)*  
*Journal of Nanoparticle Research*  
*Journal of Organizational Computing and Electronic Commerce*  
*Journal of Retailing and Consumer Services*  
*Journal of Strategic Information Systems*  
*Journal of the American Society for Information Science and Technology*  
*Journal of the Association for Information Systems*  
*Knowledge-based Systems*  
*Pacific Asia Journal of the Association for Information Systems*  
*Plos One*  
*Proceedings of the IEEE*  
*Scientific Reports*  
*Security Informatics*  
*Simulation*  
*Social Network Analysis and Mining*  
*User Modeling and User-Adapted Interaction: The Journal of Personalization Research*

- **Review and Program Committee Service for Conferences:**

*ACM Conference on Information and Knowledge Management, 2006*  
*Americas Conference on Information Systems, 2010*  
*Annual ACM Symposium on Applied Computing, 2006*  
*China Summer Workshop on Information Management, 2013~2018*  
*Conference on Information Systems & Technology, 2016~2018*  
*European Conference on Digital Libraries, 2007, 2008*  
*European Conference on Information Systems, 2016*  
*Hawaii International Conference on System Sciences, 2007, 2015~2017*  
*IEEE Intelligence and Security Informatics Conference, 2006*

*IEEE International Conference on Bioinformatics and Biomedicine, 2007, 2010*  
*IEEE / WIC / ACM International Conference on Data Mining, 2005*  
*International Conference for Smart Health, 2015*  
*International Conference on Advances in Social Network Analysis and Mining, 2014*  
*International Conference on Asian Digital Libraries, 2005, 2006*  
*International Conference on Conceptual Modeling, 2009*  
*International Conference on Electronic Commerce, 2013, 2014*  
*International Conference on Information Systems, 2009~2018*  
*International Conference on Social Intelligence and Technology, 2013*  
*Pacific Asia Conference on Information Systems, 2010~2012, 2014, 2015*  
*Pacific Asia Knowledge Discovery and Data Mining conference, 2006*  
*World Congress of the International Federation of Automatic Control, 2014*  
*Workshop on Business Processes and Services, 2012, 2014, 2017*  
*Workshop on E-Business, 2010, 2011*  
*Workshop on Information Technologies and Systems, 2010, 2014, 2016, 2017*  
*Workshop on the Sciences of the Artificial, 2005*

- **Membership in Professional Societies:**

*ACM Senior Member*  
*IEEE Senior Member*  
*AIS Member*  
*INFORMS Member*