**G12. Research Opportunity and Performance Evidence (ROPE) - Significant research outputs and ARC grants from 2007 onwards– Gang Li**

**Edited research books**

1. ***Gang Li***, Yale Yu. **Proceedings of the 4th International Conference on Enterprise Systems**. ISBN: 978-0-7695-5984-1. ES. IEEE, 2016.
2. Paul Wang, Leon S.L. Wang, ***Gang Li,*** Yves Demazeau, Guandong Xu. [**Proceedings of 2016 International Conference on Behavioral, Economic, Socio – Cultural Computing**](http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=7792521). ISBN: 978-1-5090-6164-8, BESC, IEEE, 2016.
3. Zhongzhi Shi, Sunil Vadera, ***Gang Li***. **Intelligent Information Processing** VIII. ISBN: 978-3-319-48390-0, IFIP AICT 486, Springer,2016.
4. Lynn Batten, ***Gang Li.* Applications and Techniques in Information Security** ISBN: 978-981-10-2741-3, CCIS 651, Springer, 2016.
5. WenjiaNiu, ***Gang Li***, Jianlong Tan, Li Guo, Zhen Han, Lynn Batten. **Applications and Techniques in Information Security**, ISBN: 978-3-662-48683-2, CCIS 557, Springer, 2015.
6. Lynn Batten, ***Gang Li***, WenjiaNiu, Matthew Warren. **Applications and Techniques in Information Security**, ISBN: 978-981-10-2741-3, CCIS 490, Springer, 2014.
7. Longbing Cao, Hiroshi Motoda, Jaideep Srivastava, Ee-Peng Lim, Irwi King, Philip S. Yu, Wolfgang Nejdl, Guandong Xu, ***Gang Li***, and Ya Zhang. **Behavior and Social Computing**. ISBN: 978-3-319-04048-6, LNCS 8178,Springer, 2013.

**Scholarly Book Chapters**

1. HuyQuan Vu, GlebBeliakov, and ***Gang Li***. A ChoquetIngtegral Toolbox and its Application in Customer’s Preference Analysis, inYanchang Zhao, Yonghua Cen, editors:**Data Mining Applications with R**. ISBN: 9780124115200, Elsevier, 2013, 247-272.

1. ***Gang Li*** and Robin Doss. “Energy-Efficient Medium Access Control in Wireless Sensor Networks”.In MohhammadIlyas, Richard C. Dorf editors: **Handbook of Wireless Ad Hoc and Sensor Networks**.ISBN: 978-1-84882-217-7, Springer. 2009, 419-438.
2. Yi-ping Phoebe Chen, JiaRong, ***Gang Li***. “Advanced Graph Mining Methods for Protein Analysis”. In Jake Y. Chen, Stefano LonardiEditors: **Biological Data Mining**. ISBN: 9781420086843, Chapman & Hall/CRC Press. 2009, 111-136.

**Refereed journal articles**

1. IynkaranNatgunanathan, AbidMehmood, Yong Xiang, Guang Hua, ***Gang Li***, Shaun Bangay. An overview of protection of privacy in multibiometrics. **Multimedia Tools and Applications**, 2017.
2. Tianqing Zhu, ***Gang Li***, Ping Xiong, Wanlei Zhou. Answering Differentially Private Queries for Continual Datasets Release. **Future Generation Computer Systems**, 2017.
3. Huy Quan Vu, ***Gang Li***, Rob Law, Yanchun Zhang. Tourist Activity Analysis by Leveraging Mobile Social Media Data. **Journal of Travel Research**, 2017.
4. ***Gang Li***, Wenjia Niu, Lynn Batten, Jiqiang Liu. [New Advances in Securing Cyberspace and Curbing Crowdturfing.](https://doi.org/10.1002/cpe.4162) **Concurrency and Computation: Practice and Experience**, 2017.
5. ***Gang Li***, Wenjia Niu, Jianlong Tan, Lynn Batten, Liang Chang. Curbing Collusive Cyber-gossips for Business Brand Management. **Enterprise Information Systems**, 2017.
6. Tianqing Zhu, ***Gang Li***, Wanlei Zhou, and Philip S Yu. [Differentially Private Data Publishing and Analysis: a Survey](https://doi.org/10.1109/TKDE.2017.2697856). **IEEE Transactions on Knowledge and Data Engineering**, 2017.
7. Huy Quan Vu, ***Gang Li***, Rob Law, Yanchun Zhang. [Travel Diaries Analysis by Sequential Rule Mining](https://doi.org/10.1177/0047287517692446). **Journal of Travel Research**, 2017.
8. Yuemei Xu, Song Ci, Yang Li, Tao Lin, ***Gang Li***. Design and evaluation of coordinated in-network caching model for content centric networking. **Computer Networks**. 2016, 110:266-283
9. Shaowu Liu, ***Gang Li***, Truyen Tran, and Yuan Jiang. Preference Relation-based Markov Random Fields. **Machine Learning**, 2016, 1-24
10. Wei Fan, ***Gang Li***, Rob Law. Temporal Analysis of Tourism Research Collaboration Network. **Journal of Hospitality & Tourism Research**, 2016.
11. Bo Zhang, Endong Tong, JieHao, WenjiaNiu, ***Gang Li***. Energy Efficient Sleep Schedule with Service Coverage Guarantee in Wireless Sensor Networks. **Journal of Network and Systems Management**, 2016, 1-09, 24(4):834-858.
12. Tianqing Zhu, ***Gang Li***, Yongli Ren, Wanlei Zhou, Ping Xiong. Privacy Preserving Data Release for Tagging Recommender System, **Web Intelligence**2015, 13:229-246.
13. Qian Li, WenjiaNiu, ***Gang Li***, etc. Boosting Imbalanced Data Learning with Wiener Process Oversampling. **Frontiers of Computer Science**, 2016, 1-16.
14. ***Gang Li***, Yiqing Tu. Book Review "Advances in Crowdsourcing". **Information Technology & Tourism** (Springer), 2016: 16(3):317-319

1. ***Gang Li***. Book Review "Big Data related Technologies, Challenges and Future Prospects". **Information Technology & Tourism** (Springer), Volume 15, Issue 3 (2015), Page 283-285
2. WenjiaNiu, Endong Tong, Qian Li, ***Gang Li***, Xuemin Wen, Jianlong Tan, Li Guo. Exploring Probabilistic Follow Relationship to Prevent Collusive Peer-to-Peer Piracy. **Knowledge and Information Systems**,2015, 48(1):111-141
3. Ping Xiong, Tianqing Zhu, WenjiaNiu, ***Gang Li***. A Differentially Private Algorithm for Location Data Release. **Knowledge and Information Systems**, 2015, 47(3):647-669
4. Tianqing Zhu, ***Gang Li***; Wanlei Zhou; Ping Xiong; Cao Yuan. Privacy Preserving Topic Model for Tagging Recommender Systems. **Knowledge and Information Systems**, 2015, 46(1):81-88
5. Tianqing Zhu, Ping Xiong, Gang Li, Wanlei Zhou. Correlated Differential Privacy: Hiding Information in Non-IID Dataset. **IEEE Transactions on Information Forensics & Security**, 2015, 10(2): 229-242.
6. Rob Law, ***Gang Li***. Accuracy of Impact Factors in Tourism Journals. **Annals of Tourism Research**, 2015, 50:19-21.
7. Ping Xiong, Xiaofeng Wang, WenjiaNiu, Tianqing Zhu, and ***Gang Li***. Android malware detection with contrasting permission patterns. **Communications**, China, 2014, 11(8), 1-14.
8. Yongli Ren, ***Gang Li*** and Wanlei Zhou, Modelling personal preferences for Top-N movie recommendations. **Web Intelligence and Agent Systems: An International Journal** (IOS), 2014, 12(3):289-307.
9. Andy Lee, Rob Law, Normal Au, and ***Gang Li***. An Insight into Research Performance Through a Citation Counting Analysis. **Journal of Hospitality and Tourism Management**. 2014, 21:54-63.
10. HuyQuan Vu, ***Gang Li***, Rob Law, Ben Haobin Yip. Exploring the travel behaviors of inbound tourists to Hong Kong using Geotagged photos. **Tourism Management**.2015, 46:222-232.
11. Li Guo, WenjiaNiu, ***Gang Li***. Preface: Special issue on Network Security Behaviour Analysis. **Chinese Journal of Computers**. 37(1), 2014
12. ***Gang Li***, Rob Law, HuyQuan Vu, JiaRong, Xinyuan Zhao. Identifying Emerging Hotel Preference Using Emerging Pattern Mining Technique. **Tourism Management**. 2015, 46:311-321.
13. GlebBeliakov, ***Gang Li***, HuyQuan Vu, Tim Wilkin. Characterizing compactness of geometrical clusters using fuzzy measures. **IEEE Transactions on Fuzzy System** (TFS).2014, 23(4):1030-1043.
14. WenjiaNiu, ***Gang Li***, Quan Z. Sheng, Endong Tong, Ping Liu, Athanasios V. Vasilakos, Li Guo. (2014) A Block-Aware Hybrid Data Dissemination with Hotspot Elimination in Wireless Sensor Network. **Journal of Network and Computer Applications** (JNCA). 2014, 44:120-133.
15. Yongli Ren, ***Gang Li***, Jun Zhang and Wanlei Zhou. Maximum Imputation Framework for Neighborhood-based Collaborative Filtering. **Social Network Analysis and Mining**.2014, 4(1): 1-15.
16. Tianqing Zhu, ***Gang Li***, Lei Pan, Yongli Ren, Wanlei Zhou. Privacy Preserving Collaborative Filtering for KNN Attack Resisting. **Social Network Analysis and Mining**.2014, 4(1): 1-14.
17. ***Gang Li***, WenjiaNiu, Lynn Batten. Preface - Behavior Data Security Issues in Network Information Propagation. **Future Generation of Computer Systems**, 2014, 36: 120-121.
18. Yongli Ren, ***Gang Li***, Wanlei Zhou. A survey of Recommendation Techniques. **Concurrency and Computation: Practice and Experience**. 2015, 27(15):3915-3942.
19. Qian Li, WenjiaNiu, ***Gang Li***, Endong Tong, Liang Chang, Ping Liu, Li Guo. Recover fault services via complex service-to-node mappings in wireless sensor networks. **Journal of Network and Systems Management** (JONS), 2015, 23(3): 474-501.
20. WenjiaNiu, ***Gang Li***, Endong Tong, Xinhua Yang, Liang Chang, Zhongzhi Shi, and Song Ci. Interaction relationships of caches in agent-based HD video surveillance: Discovery and utilization. **Journal of Network and Computer Applications**, 2014, 37:155–169.
21. WenjiaNiu; Jun Lei; Endong Tong; ***Gang Li***; Zhongzhi Shi; Song Ci. Context-aware Service Ranking in Wireless Sensor Networks. **Journal of Network and Systems Management** (JONS). 2014, 22(1): 50-74.
22. GlebBeliakov, ***Gang Li***, and Shaowu Liu. Parallel bucket sorting on graphics processing units based on convex optimization. **Optimization**, 2015, 64(4):1033-1055
23. Rob Law, ***Gang Li***, and Daniel Leung. Reviewing articles for tourism journals. **Annals of Tourism Research**, 2013, 43:643–645.
24. Rob Law, HuyQuan Vu, and ***Gang Li***. Discovering implicit criteria preferences reflected in tourism journal ranking lists using the Choquet integral. **Asia Pacific Journal of Tourism Research**, 2014, 19(6):662-679.
25. Daniel Leung, ***Gang Li***, Lawrence Hoc Nang Fong, Rob Law, and Ada Lo. Current state of china tourism research. **Current Issues in Tourism**, 2014, 17(8): 679-704.
26. Rosanna Leung, JiaRong, ***Gang Li***, and Rob Law. Personality differences and hotel web design preferences using targeted positive and negative association rule mining. **Journal of Hospitality Marketing & Management**, 2013, 22(7):701–727.
27. ***Gang Li***, Rob Law, HuyQuan Vu, and JiaRong. Discovering the hotel selection preferences of Hong Kong inbound travelers using the choquet integral. **Tourism Management**, 2013, 36:321–330.
28. Shaowu Liu, Rob Law, JiaRong, ***Gang Li***, and John Hall. Analyzing changes in hotel customers’ expectations by trip mode. **International Journal of Hospitality Management**, 2013, 34:359–371.
29. WenjiaNiu, Jun Lei, Endong Tong, ***Gang Li***, Zhongzhi Shi, and Song Ci. Context- aware service ranking in wireless sensor networks. **Journal of Network and Systems Management**, 2014, 22(1): 50-74.
30. Yongli Ren, Li Gang, and Wanlei Zhou. A learning method for top-n recommendations with incomplete data. **Social Network Analysis and Mining**, 2013, (4):1135–1148.
31. Yongli Ren, ***Gang Li***, Jun Zhang, and Wanlei Zhou. Lazy collaborative filtering for datasets with missing values. **IEEE Transactions on Systems, Man, and Cybernetics, Part B: Cybernetics**, 2013, 43(6):1822–1834.
32. Endong Tong, WenjiaNiu, ***Gang Li***, Ding Tang, Hui Tang, and Song Ci. Bloom filter-based workflow management to enable QOS guarantee in wireless sensor networks. **Journal of Network and Computer Applications**, 2013, 39: 38-51.
33. GlebBeliakov and ***Gang Li***. Improving the speed and stability of the k-nearest neighbors method. **Pattern Recognition Letters**, 2012, 33(10):1296-1301.
34. HuyQuan Vu, ***Gang Li***, NadezdaSukhorukova, GlebBeliakov, Shaowu Liu, Carole Philippe, Helene Amiel, and Adrien Ugon. K-complex detection using a hybrid-synergic machine learning method. **IEEE Transactions on Systems, Man, and Cybernetics, Part C**, 2012, 42(6):1478–1490.
35. Xiaofeng Wang, ***Gang Li***, Guang Jiang, andZhongzhi Shi. Semantic trajectory based event detection and event pattern mining. **Knowledge and Information Systems**, 2012, 37(2):305–329.
36. Yuemei Xu, WenjiaNiu, Hui Tang, ***Gang Li***, Zhijun Zhao, and Song Ci. A policy-based web service redundancy detection in wireless sensor network. **Journal of Network and Systems Management**, 2012, 21(3):384–407.
37. Rob Law, JiaRong, HuyQuan Vu, ***Gang Li***, and Hee Andy Lee. Identifying changes and trends in Hong Kong outbound tourism. **Tourism Management**, 2011, 32:1106–1114, October.
38. Yangdong Ye, Yongli Ren, and ***Gang Li***. Using local density information to improve IB algorithms. **Pattern Recognition Letters**, 2011, 32(2):310–320.
39. WenjiaNiu, ***Gang Li***, Zhijun Zhao, Hui Tang, and Zhongzhi Shi. Journal of Network and Computer Applications Multi-granularity context model for dynamic Web service composition. **Journal of Network and Computer Applications**, 2011, 34:312–326.
40. GlebBeliakov, Simon James, and ***Gang Li***. Learning Choquet integral-based metrics for semi-supervised clustering. **IEEE Transactions on Fuzzy Systems**, 2011, 19:562–574.
41. Qingfeng Chen, ***Gang Li***, and Phoebe Chen. Interval-based distance function for identifying RNA structure candidates. **Journal of Theoretical Biology**, 2011, 269:286–286.
42. WenjiaNiu, ***Gang Li***, Hui Tang, Xu Zhou, and Zhongzhi Shi. CARSA: A context- aware reasoning-based service agent model for AI planning of web service composition. **Journal of Network and Computer Applications**, 2011, 34(5):1757–1770.
43. JiaRong, HuyQuan Vu, Rob Law, and ***Gang Li***. A behavioral analysis of web sharers and browsers in Hong Kong using targeted association rule mining. **Tourism Management**, 2012, 33(4): 731-740.
44. Robin Doss, ***Gang Li***, Vicky Mak, and MenikTissera. Information discovery in mission- critical wireless sensor networks. **Computer Networks**, 2010, 54(14):2383–2399.
45. ***Gang Li***, Rob Law, JiaRong, and HuyQuan Vu. Incorporating both positive and negative association rules into the analysis of outbound tourism in Hong Kong. **Journal of Travel& Tourism Marketing**, 2010, 27(8):812–828.
46. ***Gang Li***, Rob Law, and Jinlong Wang. Analyzing international travelers’ profile with self-organizing maps. **Journal of Travel & Tourism Marketing**, 2010, 27(2):113–131.
47. Jinlong Wang, Ke Gao, and ***Gang Li***. Empirical analysis of customer behaviors in Chinese e-commerce. **Journal of Networks**, 2010, 5:1177–1184.
48. Jinlong Wang, Shunyao Wu, and ***Gang Li***. Clustering with instance and attribute level side information. **Journal of Computational Intelligence Systems**, 2010, 3(6):770–785.
49. Robin Doss, ***Gang Li***, Shui Yu, Vicky Mak, and Morshed Chowdhury. Improving the QOS for information discovery in autonomic wireless sensor networks. **Pervasive and Mobile Computing**, 2009, 5(4):334–349.
50. JiaRong, ***Gang Li***, and Yi-Ping Phoebe Chen. Acoustic feature selection for automatic emotion recognition from speech. **Information Processing and Management**, 2009, 45(3):315–328.
51. JiaRong, ***Gang Li***, and Rob Law. A contrast analysis of online hotel web service purchasers and browsers. **International Journal of Hospitality Management**, 2009, 28(3):466–478.
52. Jinlong Wang, Congfu Xu, and ***Gang Li***. Mining frequent itemsets in distorted databases with granular computing. **International Journal of Pattern Recognition and Artificial Intelligence**, 2009, 23:825–846.
53. JingyuHou, Wei Shi, ***Gang Li***, and Wanlei Zhou. An effective non-parametric method for globally clustering genes from expression profiles. **Medical and Biological Engineering and Computing**, 2007, 45(12):1175-1185.

**Refereed conference papers only when the paper was published in full in the proceedings**

Note: Papers published in *Lecture Notes in Computer Science* and *Lecture Notes in Artificial Intelligence* are also listed here.

1. Na Pang, Dali Zhu, ***Gang Li***, Shaowu Liu. WarnFi: Non-Invasive WiFi-based Abnormal Activity Sensing Using Non-parametric Model. **2017 Military Communications Conference (2017 MILCOM).** Baltimore, Maryland, America, October 23-25, 2017.
2. Min Li, Yunzheng Liu, Min Yu, ***Gang Li***, Yongjian Wang and Chao Liu. FEPDF: A Robust Feature Extractor for Malicious PDF Detection. **The 16th IEEE International Conference on Trust, Security and Privacy in Computing and Communications** (IEEE TrustCom-17), Sydney, Australia, August 1-4, 2017.
3. Qian Li, Zhichao Wang, ***Gang Li***, Yanan Cao, Gang Xiong, and Li Guo. Learning Robust Low-Rank Approximation for Crowdsourcing on Riemannian Manifold. **International Conference on Computational Science** (ICCS 2017), Zürich, Switzerland, June 12-14, 2017.
4. Dali Zhu, Na Pang, ***Gang Li***, Shaowu Liu. NotiFi: A Ubiqutious WiFi-based Abnormal Activity Detection System. **International Joint Conference on Neural Networks** (IJCNN 2017), Anchorage, Alaska, USA, May 14-19, 2017.
5. Elise Wong, Rob Law, ***Gang Li***. Reviewing Geotagging Research in Tourism. **The 5th International Conference on Sustainble Development** (ICSD 2017), Rome, Italy, September 6-7, 2017.
6. Dali Zhu, Na Pang, ***Gang Li***, WenjingRong. Opportunistic Probe: An Efficient Adaptive Detection Model for Collaborative Intrusion Detection. In Xiaofei Liao, Robert Lovas, Xipeng Shen, Ran Zheng, editors, Advances in Parallel and Distributed Systems, **The 22nd IEEE International Conference on Parallel and Distributed Systems** (ICPADS2016), Wu han, Hubei, China, December 13-16, 2016, Proceedings, ISBN: 9781509044573, pages 430-437. IEEE, 2016.
7. Dali Zhu, Na Pang, ***Gang Li***, Shaowu Liu. WiseFi: Activity Localization and Recognition on Commodity Off-the-shelf WiFi Devices.In jinjun Chen and Laurence T. Yang editors, Advances in High Performance Computing and Communications, **The 18th IEEE International Conference on High Performance Computing and Communications** (HPCC 2016), Sydney, Australia, December12-14, 2016, Proceedings, ISBN: 9781509042968, pages 562–569. IEEE, 2017.
8. Dali Zhu, Na Pang, ***Gang Li***, WenjingRong, Zheming Fan. WiN: Non-Invasive Abnormal Activity Detection Leveraging Fine-grained WiFi Signals. In Hai Jin, Nei Kato, Tharam Dillion, Jean-Luc Gaudiot, Jiannong Cao, Albert Zomaya, Geoffrey Fox, MinyiGuo, Raghu Ganti, editors, Advances inParallel and Distributed Processing with Applications, **The 14th IEEE International Symposium on Parallel and Distributed Processing with Applications** (IEEE TrustCom/BigDataSE/ISPA 2016), Tianjin, China, August 23-26, 2016, Proceedings, ISBN: 9781509032051, pages 744-751. IEEE, 2016.
9. Qian Li, WenjiaNiu, ***Gang Li***. Riemannian Optimization with Subspace Tracking for Low-rank Recovery.InHussein A. Abbass, Huanhuan Chen, editors, Advances inNeural Network, International **Joint Conference on Neural Network** (IJCNN 2016), Vancouver, Canada,July 24-29, 2016,Proceedings, ISBN: 9781509006199, pages 3280-3287. IEEE, 2016.
10. Shaowu Liu, ***Gang Li***, Truyen Tran, Yuan Jiang. Preference Relation-based Markov Random Fields. In Holmes G, Liu T.Y, editors, Advances inMachine Learning, **The 7th Asian Conference on Machine Learning** (ACML), Hong Kong, China, November 20-22, 2015, Proceedings, pages 1-16. JMLR, 2016.
11. Qian Li, WenjiaNiu, ***Gang Li***, etc. Lingo: Linearized Grassmannian Optimization for Nuclear Norm Minimization.InJames Bailey, Alistair Moffat, Charu C. Aggarwal, Ravi Kumar, and TimosSellis,editors, Advances inInformation and Knowledge Management, **The 24th ACM International Conference on Information and Knowledge Management** (CIKM 2015), Melbourne, Australia, October 19-23, 2015, Proceedings, ISBN: 9781450337946, pages 801-809. ACM, 2015.
12. Ping Xiong, Tianqing Zhu, Lei Pan, WenjiaNiu, ***Gang Li***. Privacy Preserving in Location Data Release: A Differential Privacy Approach.In Duc-Nghia Pham, Seong-Bae Park, editors, Advances inArtificial Intelligence, **The 13th Pacific Rim International Conference on Artificial Intelligence** (PRICAI 2014), Gold Coast, Australia, December 1-5, 2014, Proceedings,Volume 8862 of Lecture Notes in Computer Science, pages 183–195. Springer, 2014.
13. Shaowu Liu, Truyen Tran, ***Gang Li***, Yuan Jiang. Ordinal Random Fields for Recommender Systems. In [Phung D](http://dro.deakin.edu.au/list/author/Phung%2CD/), [Li H](http://dro.deakin.edu.au/list/author/Li%2CH/), editors, Advances inMachine Learning, **The 6th Asian Conference on Machine Learning** (ACML 2014), Nha Trang, Vietnam, November 26-28, 2014, Proceedings, pages 283-298. JMLR, 2014.
14. GlebBeliakov, ***Gang Li***, HuyQuan Vu, Tim Wilkin. Fuzzy measures of pixel cluster compactness. Advances in Fuzzy Systems, **IEEE International Conference on Fuzzy Systems** (FUZZ-IEEE), Beijing, China, July 6-11, 2014,Proceedings, pages1104-1111, IEEE, 2014.
15. Tianqing Zhu, ***Gang Li***, Wanlei Zhou, Ping Xiong, and Cao Yuan. Deferentially Private Tagging Recommendation Based on Topic Model. In Vincent S. Tseng, TuBao Ho, Zhi-Hua Zhou, Arbee L.P. Chen, and Hung-Yu Kao, editors, Advances in Knowledge Discovery and Data Mining, **The 18th Pacific-Asia Conference on Knowledge Discovery and Data Mining** (PAKDD 2014), Tainan, Taiwan, May 13-16, 2014, Proceedings, Volume 8443 of Lecture Notes in Computer Science, pages557–568. Springer, 2014.
16. Yongli Ren, ***Gang Li***, Wanlei Zhou. (2013). Recommendation Techniques Based on Off-Line Data Processing a Multifaceted Survey.In Yi Pan, Wanlei Zhou, Hai Zhuge, editors, Advanced in Semantics, Knowledge and Grids, **The9th International Conference on Semantics, Knowledge and Grids** (SKG 2013), Beijing, China, October 3-4, 2013, Proceedings, ISBN: 9781479930128, pages 6-13, IEEE, 2013.
17. VeelashaMoonsamy, JiaRong, Shaowu Liu, ***Gang Li***, and Lynn Batten. Contrasting permission patterns between clean and malicious android applications. In Tanveer Zia, Albert Zomaya, Vijay Varadharajan, and Morley Mao, editors, Advanced in Security and Privacy in Communication Networks, **The 9th International Conference on Security and Privacy in Communication Networks**, Sydney, NSW Australia, September 25-28, 2013, Proceedings, Volume 127 of Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering, pages 69–85. Springer, 2013.
18. Yongli Ren, ***Gang Li***, Jun Zhang, and Wanlei Zhou. AdaM: Adaptive-maximum imputation for neighborhood-based collaborative filtering. InTanselÖzyer, Peter Carrington, Ee-Peng LIM,editors, Advanced in Social Networks Analysis and Mining, **2013 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining** (ASONAM 2013), Proceedings, ISBN: 9781450322409, pages 628–635. ACM, 2013.
19. Yongli Ren, Tianqing Zhu, ***Gang Li***, and Wanlei Zhou. Top-n recommendations by learning user preference dynamics. InRandy Goebel, Yuzuru Tanaka, Wolfgang Wahlster, JoergSiekmann,editors,Advances in Knowledge Discovery and Data Mining,**The 17th Pacific-Asia Conference on Knowledge Discovery and Data Mining**, Gold Coast Australia, April 14-17, 2013, Proceedings,Volume 7819 of Lecture Notes in Computer Science, pages 390–401. Springer, 2013.
20. MenikTissera, Robin Doss, ***Gang Li***, and Lynn Batten. Information discovery in multi- dimensional wireless sensor networks. In Ki-Hyung Kim, MyungsikYoo, editors, Advanced in information Networking,**The 27th International Conference on information Networking** (ICOIN 2013), Bangkok, Thailand, January 27-30, 2013, Proceedings, ISBN: 9781467357401, pages 54–59. IEEE, 2013.
21. Tianqing Zhu, ***Gang Li***, Yongli Ren, Wanlei Zhou, and Ping Xiong. Differential privacy for neighborhood-based collaborative filtering. InTansel Ö zyer, Peter Carrington, Ee-Peng LIM, editors, Advanced in Social Networks Analysis and Mining, **2013 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining** (ASONAM 2013), Niagara Falls, Canada, August 25-28, 2013, Proceedings, ISBN: 9781450322409, pages 752–759. ACM, 2013.
22. Tianqing Zhu, ***Gang Li***, Yongli Ren, Wanlei Zhou, and Ping Xiong. Privacy preserving for tagging recommender systems. InVijay Raghavan, Xiaolin Hu, Churn-Jung Liau, Jan Treur, editors, Advanced in Web Intelligence and Intelligent Agent Technologies, **2013 IEEE/WIC/ACM International Joint Conferences on Web Intelligence (WI) and Intelligent Agent Technologies** (IAT), Atlanta, GA, USA, November 17-20, 2013, Proceedings, Volume 1, pages 81-88. IEEE, 2013.
23. Yongli Ren, ***Gang Li***, Jun Zhang, and Wanlei Zhou. The efficient imputation method for neighbourhood-based collaborative filtering. InXuewen Chen, Guy Lebanon, Haixun Wang, Mohammed J. Zaki,editors, Advanced in Information and Knowledge Management, **The 21st ACM Conference on Information and Knowledge Management** (CIKM 2012), Maui, Hawaii, USA, October 29–November 2, 2012, Proceedings, Volume 1, pages 684–693. ACM, 2012.
24. Yongli Ren, ***Gang Li***, and Wanlei Zhou. Improving top-n recommendations with user consuming profiles. InRandy Goebel, Yuzuru Tanaka, Wolfgang Wahlster,editors, Advanced in Artificial Intelligence,**The 12th Pacific Rim International Conference on Artificial Intelligence** (PRICAI 2012), Kuching, Malaysia, September 3-7, 2012, Proceedings,Volume 7458 of Lecture Notes in Computer Science, pages 887–890. Springer, 2012.
25. Yongli Ren, ***Gang Li***, and Wanlei Zhou. Learning rating patterns for top-n recommendations. In Yuefeng Li, Yanqing Zhang, Ning Zhong, editors, Advances in Social Networks Analysis and Mining,**2012 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining** (ASONAM), Istanbul Turkey, August 26-29, 2012, Proceedings, ISBN: 9780769547992, pages 472–479. IEEE, 2012.
26. Yongli Ren, ***Gang Li***, and Wanlei Zhou. Learning user preference patterns for top-n recommendations. In Yuefeng Li, Yanqing Zhang, Ning Zhong, editors, Advances in Web Intelligence,**2012 IEEE/WIC/ACM International Conference on Web Intelligence**, Macau, China, December 4, 2012, Proceedings, Volume 1, pages 137–144. IEEE, 2012.
27. Endong Tong, WenjiaNiu, Hui Tang, Gang Li, and Zhijun Zhao.Reasoning-based context-aware workflow management in wireless sensor network.In George Pallis, Mohamed Jmaiel, AnisCharfi, Sven Graupner, YücelKarabulut, Sam Guinea, Florian Rosenberg, Quan Z. Sheng, Cesare Pautasso, Sonia Ben Mokhtar, editors, Advances in Service-Oriented Computing, **Service-Oriented Computing –ICSOC 2011 Workshops**, Paphos, Cyprus, December 5-8, 2011, Proceedings,Volume 7221 of the [Lecture Notes in Computer Science](https://link.springer.com/bookseries/558)，pages 270–282. Springer, 2011
28. Rosanna Leung, JiaRong, ***Gang Li***, and Rob Law. An analysis on human personality and hotel web design: a Kohonen network approach. In Rob Law, Matthias Fuchs, and Francesco Ricci, editors, Advances in Tourism, **Information and Communication Technologies in Tourism 2011**, Innsbruck, Austria, January 26-28, 2011, Proceedings, ISBN:9783709105023, pages 573–585. Springer Vienna, 2011.
29. Jinlong Wang, Shunyao Wu, HuyQuan Vu, and ***Gang Li***. Text document clustering with metric learning. In Hsin-His Chen, Efthimis N.Efthimiadis, Jacques Savoy, Fabio Crestani, and Stephane Marchand-Maillet, editors, Advances inResearch and development in information retrieval, **The 33rd international ACM SIGIR conference on Research and development in information retrieval** (ACM SISIR 2010), Geneva, Switzerland, July 19-23, 2010, Proceedings, ISBN:978160058964, pages 783-784. ACM, 2010.
30. Shunyao Wu, Jinlong Wang, HuyQuan Vu, and ***Gang Li***. Text clustering with important words using normalization. In [Jane Hunter](http://dl.acm.org/author_page.cfm?id=81338489104&CFID=919050508&CFTOKEN=35133371), [Carl Lagoze](http://dl.acm.org/author_page.cfm?id=81100645517&CFID=919050508&CFTOKEN=35133371)**,** [Yuan-Fang Li](http://dl.acm.org/author_page.cfm?id=81547612656&CFID=919050508&CFTOKEN=35133371), [Lee Giles](http://dl.acm.org/author_page.cfm?id=81100125791&CFID=919050508&CFTOKEN=35133371)**,** editors, Advances inDigital libraries, **The 10th annual joint conference on Digital libraries** (JCDL 2010), Gold Coast, Queensland, Australia, June 21-25, 2010, Proceedings, ISBN:9781450300858, pages 393-394. ACM, 2010.
31. WenjiaNiu, ***Gang Li***, Xinghua Yang, Xu Han, and Zhongzhi Shi. Facilitating dynamic web service composition with fine-granularity context management.InTsau Young Lin, Xiaohua Hu, Jiali Xia, Tzung-Pei Hong, Zhongzhi Shi, Jianchao Han, ShusakuTsumoto, Xiajiong Shen editors, Advances in Granular Computing, **IEEE International Conference on Granular Computing** (GrC2009), Nanchang, China, August 17-19, 2009, Proceedings, ISBN: 9781424448302, pages 454-459. IEEE, 2009.
32. Jinlong Wang, Ke Gao, Yongli Ren, and ***Gang Li***. Journal ranking based on social information. In Fred Heath, Mary Lynn Rice-Lively, and Richard Furuta, editors, Advances in Digital Libraries, **The 2009 Joint International Conference on Digital Libraries** (JCDL 2009), Austin, TX, USA, June 15-19, 2009, Proceedings, ISBN: 9781605586977, pages 453-454. ACM, 2009.
33. Jinlong Wang, Ke Gao, Yang Jiao, and ***Gang Li***. Study on ensemble classification methods towards spam filtering. InRonghuaiHuang, QiangYang, Jian Pei, JoãoGama,XiaofengMeng, XueLi，editors,Advancesin Data Mining and Applications, **The 5th International Conferenceon Advanced Data Mining and Applications** (ADMA 2009), Beijing, China, August 17-19, 2009, Proceedings,volume5678 of Lecture Notes in Computer Science, pages 314-325. Springer Berlin / Heidelberg, 2009.
34. Yongli Ren, Yangdong Ye, and ***Gang Li***. The density connectivity agglomerative information bottleneck. In Guojun Wang, Jianer Chen, Michael R. Fellows, Huadong Ma, editors, Advances in Young Computer Scientists, **The9th International Conference for Young Computer Scientists** (ICYCS2008), Hunan, China, November 18-21, 2008, Proceedings, ISBN: 9780769533988, pages 1783–1788. IEEE, 2008.
35. Robin Doss, ***Gang Li***, Shui Yu, Vicky Mak, and Morshed Chowdhury. The crossroads approach to information discovery in wireless sensor networks. In Shrisha Rao, Mainak Chatterjee, Prasad Jayanti, C. Siva Ram Murthy, and Sanjoy Kumar Saha, editors, Advances in Distributed Computing and Networking, **The9th International Conference on Distributed Computing and Networking** (ICDCN 2008), Kolkata, India, January 5-8, 2008, Proceedings,volume 4904 of Lecture Notes in Computer Science, pages310–321. Springer, 2008.
36. Yongli Ren, Yangdong Ye, and ***Gang Li***. The density-based agglomerative information bottleneck. InTu-BaoHo,Zhi-HuaZhou, editors,Advancesin Artificial Intelligence, **The10th Pacific Rim International Conference on Artificial Intelligence** (PRICAI 2008), Hanoi, Vietnam, December 15-19, 2008. Proceedings,volume 5351 of Lecture Notes in Computer Science, pages 333–344. Springer Berlin / Heidelberg, 2008.
37. Sam Schmidt, ***Gang Li***, and Yi-Ping Phoebe Chen. Medical knowledge discovery from a regional asthma dataset.InDe-ShuangHuang, Donald C. WunschII, Daniel S. Levine, Kang-Hyun Jo, editors,Advances in Intelligent Computing, **The4th International Conference on Intelligent Computing** (ICIC2008), Shanghai, China, September 15-18, 2008 Proceedings, volume 5227 of Lecture Notes in Computer Science, pages 888–895. Springer Berlin / Heidelberg, 2008.
38. Rob Law and ***Gang Li***. A causal analysis for the expenditure data of business travelers. In Reda Alhajj, Hong Gao, Xue Li, Jianzhong Li, and Osmar R. Zaiane, editors, Advancesin Data Mining and Applications, **The 3rd International Conference on Data Mining and Applications** (ADMA 2007), Harbin, China, August 6-8, 2007, Proceedings, volume 4632 of Lecture Notes in Computer Science, pages 545–552. Springer, 2007.
39. Jinlong Wang, Congfu Xu, ***Gang Li***, Zhenwen Dai, and Guojing Luo. Understanding research field evolving and trend with dynamic Bayesian networks. In Zhi-Hua Zhou, Hang Li, and Qiang Yang, editors, Advances in Knowledge Discovery and Data Mining, **The 11th Pacific-Asia Conference on Knowledge Discovery and Data Mining** (PAKDD 2007), Nanjing, China, May 22-25, 2007, Proceedings, volume 4426 of Lecture Notes in Computer Science, pages 320-331. Springer, 2007.

**Details of ARC grants awarded in the last 10 years**

* No ARC Grant Currently Held