

5. Quanquan Gu and Jiawei Han, "[Online Spectral Learning on a Graph with Bandit Feedback](#)", in Proc. of 2014 IEEE Int. Conf. on Data Mining (ICDM'14), Shenzhen, China, Dec. 2014.
6. Lu Su, Qi Li, Shaohan Hu, Shiguang Wang, Jing Gao, Hengchang Liu, Tarek Abdelzaher, Jiawei Han, Xue Liu, Yan Gao and Lance Kaplan, "[Generalized Decision Aggregation in Distributed Sensing Systems](#)", in Proc. of IEEE Real-Time Systems Symposium (RTSS'14), Rome, Italy, Dec. 2014.
7. Huan Gui, Yizhou Sun, Jiawei Han, and George Brova, "[Modeling Topic Diffusion in Multi-Relational Bibliographic Information Networks](#)", in Proc. of 2014 ACM Int. Conf. on Information and Knowledge Management (CIKM'14), Shanghai, China, Nov. 2014.
8. Hongbo Deng, Yizhou Sun, Yi Chang, and Jiawei Han, "Probabilistic Models for Classification", in Charu C. Aggarawal (ed.), Data Classification: Algorithms and Applications, pp. 65-86, CRC Press, 2014.
9. Charu C. Aggarwal, Xiangnan Kong, Quanquan Gu, Jiawei Han, and Philip S. Yu, "Active Learning: A Survey", in Charu C. Aggarawal (ed.), Data Classification: Algorithms and Applications, pp. 571-606, CRC Press, 2014.
10. Jiawei Han, "Construction, Exploration, and Mining of Semi-Structured, Heterogeneous Information Networks", Tutorial at the 2014 Military Sensing Symposium (MSS) National Symp. on Sensor Data Fusion (NSSDF), Springfield, VA, Oct. 2014.
11. Yingzhen Yang, Zhangyang Wang, Jianchao Yang, Jiawei Han, and Thomas S. Huang, "Regularized Λ^1 -Graph for Data Clustering", in Proc. of 2014 British Machine Vision Conference (BMVC'14), Nottingham, UK, Sept. 2014.
12. Chi Wang, Xueqing Liu, Yanglei Song, and Jiawei Han, "[Scalable Moment-based Inference for Latent Dirichlet Allocation](#)", in Proc. of 2014 European Conf. on Machine Learning and Principles and Practices of Knowledge Discovery in Databases (ECMLPKDD'14), Nancy, France, Sept. 2014.
13. Chao Zhang, Jiawei Han, Lidan Shou, Jiajun Lu, and Thomas La Porta, "[Splitter: Mining Fine Grained Sequential Patterns in Semantic Trajectories](#)", PVLDB 7(9): 769-780, 2014 (Also, in Proc. 2014 Int. Conf. on Very Large Data Bases (VLDB'14), Hangzhou, China, Sept. 2014.)
14. Dian Yu, Hongzhao Huang, Taylor Cassidy, Heng Ji, Chi Wang, Shi Zhi, Jiawei Han and Clare Voss, "[The Wisdom of Minority: Unsupervised Slot Filling Validation based on Multi-dimensional Truth-Finding with Multi-layer Linguistic Indicators](#)", in Proc. of 2014 Int. Conf. on Computational Linguistics (Coling'14), Dublin, Ireland, Aug. 2014
15. Xiang Ren, Jialu Liu, Xiao Yu, Urvashi Khandelwal, Quanquan Gu, Lidan Wang, and Jiawei Han, "[ClusCite: Effective Citation Recommendation by Information Network-Based Clustering](#)", in Proc. 2014 ACM SIGKDD Int. Conf. on Knowledge Discovery and Data Mining (KDD'14), New York, NY, Aug. 2014.
16. Bo Zong, Yinghui Wu, Jie Song, Ambuj Singh, Hasan Cam, Jiawei Han, Xifeng Yan, "[Towards Scalable Critical Alert Mining](#)", in Proc. 2014 ACM SIGKDD Int. Conf. on Knowledge Discovery and Data Mining (KDD'14), New York, NY, Aug. 2014.
17. Jiawei Han, Chi Wang, Ahmed El-Kishky, "[Bringing Structure to Text: Mining Phrases, Entity Concepts, Topics, and Hierarchies](#)", (conference tutorial), 2014 ACM SIGKDD Int. Conf. on Knowledge Discovery and Data Mining (KDD'14), New York, NY, Aug. 2014.
18. Quanquan Gu, Tong Zhang, Jiawei Han, "[Batch-Mode Active Learning via Error Bound Minimization](#)", in Proc. of 2014 Conf. on Uncertainty in Artificial Intelligence (UAI), Quebec City, Quebec, Canada, July 2014.
19. Chi Wang, Xueqing Liu, Yanglei Song, Jiawei Han, "[Scalable Moment-Based Learning for Topic Model](#)", in Proc. 2014 ICML Workshop on Method of Moments and Spectral Learning (ICML-MMSL'14), Beijing, China, June 2014.
20. Hongbo Deng, Jiawei Han, Hao Li, Heng Ji, Hongning Wang, and Yue Lu, "[Exploring and Inferring User-User Pseudo-Friendship for Sentiment Analysis with Heterogeneous Networks](#)", accepted by Statistical Analysis and Data Mining, Feb. 2014
21. Yiyi Liu, Quanquan Gu, Jack P. Hou, Jiawei Han and Jian Ma, "[A network-assisted co-clustering algorithm to discover cancer subtypes based on gene expression](#)", BMC Bioinformatics, 15:37, 2014.
22. Boliang Zhang, Hongzhao Huang, Xiaoman Pan, Heng Ji, Kevin Knight, ZhenWen, Yizhou Sun, Jiawei Han and Bulent Yener, "[Be Appropriate and Funny: Automatic Entity Morph Encoding](#)", in Proc. of 2014 Annual Meeting of the Association for Computational Linguistics (ACL'14), Baltimore, USA, June 2014.
23. Wei Shen, Jiawei Han, and Jianyong Wang, "[A Probabilistic Model for Linking Named Entities in Web Text with Heterogeneous Information Networks](#)", in Proc. of 2014 ACM SIGMOD Int. Conf. on Management of Data (SIGMOD'14), Snowbird, UT, June 2014.
24. Qi Li, Yaliang Li, Jing Gao, Bo Zhao, Wei Fan, and Jiawei Han, "Resolving Conflicts in Heterogeneous Data by Truth Discovery and Source Reliability Estimation", in Proc. of 2014 ACM SIGMOD Int. Conf. on Management of Data (SIGMOD'14), Snowbird, UT, June 2014.
25. Fangbo Tao, Jiawei Han, Heng Ji, George Brova, Chi Wang, Brandon Norick, Ahmed El-Kishky, Jialu Liu, Xiang Ren, Yizhou Sun, "[News NetExplorer: Automatic Construction and Exploration of News Information Networks](#)", (system demo), in Proc. of 2014 ACM SIGMOD Int. Conf. on Management of Data (SIGMOD'14), Snowbird, UT, June 2014.
26. Jiawei Han and Chi Wang, "[Mining Latent Entity Structures from Massive Unstructured and Interconnected Data](#)", (Conference Tutorial), in Proc. of 2014 ACM SIGMOD Int. Conf. on Management of Data (SIGMOD'14), Snowbird, UT, June 2014.
27. Jiawei Han, "[Construction and Mining of Heterogeneous Information Networks: Will It Be a Key to Web-Aged Information Management and Mining?](#)" (keynote speech slides), in Proc. of 2014 Int. Conf. on Web-Age Information Management (WAIM'14), Macau, China, June 2014..
28. Manish Gupta, Jing Gao, Charu Aggarwal, and Jiawei Han, [Outlier Detection for Temporal Data](#), Morgan & Claypool Publishers, 2014.
29. Marina Danilevsky, Chi Wang, Nihit Desai, Xiang Ren, Jingyi Guo, and Jiawei Han, "[Automatic Construction and Ranking of Topical Keyphrases on Collections of Short Documents](#)", in Proc. of 2014 SIAM Int. Conf. on Data Mining (SDM'14), Philadelphia, PA, April 2014.
30. Manish Gupta, Arun Mallya, Subhro Roy, Jason H. D. Cho, and Jiawei Han, "[Local Learning for Mining Outlier Subgraphs from Network Datasets](#)", in Proc. of 2014 SIAM Int. Conf. on Data Mining (SDM'14), Philadelphia, PA, April 2014.
31. Jingjing Wang, Changsung Kang, Yi Chang and Jiawei Han, "[A Hierarchical Dirichlet Model for Taxonomy Expansion for Search Engines](#)", in Proc. of 2014 Int. World-Wide Web Conf. (WWW'14), Seoul, Korea, April 2014.
32. Lidan Wang, Jimmy Lin, Donald Metzler and Jiawei Han, "[Learning to Efficiently Rank on Big Data](#)", Tutorial at 2014 Int. World-Wide Web Conf. (WWW'14), Seoul, Korea, April 2014.
33. Aston Zhang, Xing Xie, Kevin Chang, Carl Gunter, Jiawei Han and Xiaofeng Wang, "[Privacy Risk in Anonymized Heterogeneous Information Networks](#)", in Proc. of 2014 Int. Conf. on Extending Database Technology (EDBT'14), Athens, Greece, March 2014.
34. Manish Gupta, Jing Gao, Xifeng Yan, Hasan Cam, and Jiawei Han, "Top-K Interesting Subgraph Discovery in Information Networks", in Proc. 2014 IEEE Int. Conf. on Data Engineering (ICDE'14), Chicago, IL, Mar. 2014.
35. Xiao Yu, Xiang Ren, Yizhou Sun, Quanquan Gu, Bradley Sturt, Urvashi Khandelwal, Brandon Norick, and Jiawei Han, "[Personalized Entity Recommendation: A Heterogeneous Information Network Approach](#)", in Proc. 2014 ACM Int. Conf. on Web Search and Data Mining (WSDM'14), New York City, NY, Feb. 2014.
36. Xiao Yu, Hao Ma, Bo-June (Paul) Hsu and Jiawei Han, "[On Building Entity Recommender Systems Using User Click Log and Freebase Knowledge](#)", in Proc. 2014 ACM Int. Conf. on Web Search and Data Mining (WSDM'14), New York City, NY, Feb. 2014.