

Curriculum Vita (As of August, 2013)

Tao Li

OFFICE ADDRESS:

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RESEARCH AREA

Data Mining, Computing System Management, Information Retrieval.

EDUCATION

PhD 2004, Computer Science, University of Rochester, Rochester, NY

MS 2000, Mathematics, Oklahoma State University, Stillwater, OK

MS 1998, Computer Science, Chinese Academy of Science, P.R. China

BS 1995, Computer Science, Fuzhou University, P.R. China

CAREER

EMPLOYMENT

- 2009.8 – Associate Professor, School of Computing and Information Science,
Florida International University
- 2004.8 – 2009.7 Assistant Professor, School of Computing and Information Science,
Florida International University

VISITING POSITION

- 2001.5 – 2001.9 Summer Research Intern,
Xerox Research Center
- 2002.5 – 2002.8 Summer Research Intern,
Xerox Research Center
- 2003.5 – 2003.9 Summer Research Intern,
IBM T.J. Watson Research Center
- 2004.6 – 2004.8 Summer Research Intern,
IBM T.J. Watson Research Center

AWARDS

- Listed in April 2012 as the *Top 10 Authors in Data Mining* worldwide (last 5 years) by Kdnuggets.com, the Data Mining Community's Top Resource.
- Excellence in Research Award, College of Engineering and Computing, Florida International University, 2012.
- Excellence in Mentorship Award, College of Engineering and Computing, Florida International University, 2011.

- Excellence in Research, School of Computing and Information Sciences, Florida International University, 2011.
- Xerox University Affair Committee Award, 2011-2014.
- 2011 Kauffman Professor Award.
- IBM Scalable Data Analytics Innovation Award, 2010.
- Excellence in Student Mentoring Award, School of Computing and Information Sciences, Florida International University, 2009.
- Excellence in Research, Florida International University, 2009.
- National Science Foundation Faculty CAREER Award, 2006-2011.
- Tao Li, Qi Li, and Mitsunori Ogiwara. “Music Feature Extraction Using Wavelet Coefficient Histograms”, US Patent Number 7,091,409. Awarded 8/15/06.
- IBM Faculty Research Award, 2008.
- Excellence in Faculty Scholarship, Florida International University, 2008.
- Faculty Fellow for Mathematics of Knowledge and Search Engines at IPAM (Institute for Pure and Applied Mathematics, UCLA), 2008.
- IBM Faculty Research Award, 2007.
- Achievement Award at the 2006 International Conference on Machine Learning and Applications, Association for Machine Learning and Applications.
- IBM Faculty Research Award, 2005.
- IBM Shared University Research Award, 2005.

- Xerox University Affair Committee Award, 2005-2008.
- Excellence in Research Award, School of Computer Science at Florida International University, 2005.
- O.H.Hamilton Award, Department of Mathematics, Oklahoma State University, Spring 2000.

PUBLICATION LIST

Quick Summary: I edited 1 book, 9 conference/workshop proceedings, and hold one patent. I have about 240 refereed publications in total: 6 book chapters, 73 journal papers, 161 conference/workshop proceeding papers. *Among them, more than 110 papers including 3 book chapters, 41 journal papers and 70 conference papers have been published after receiving tenure in 2009.* Note that, in computer science, conferences are usually at least as important as journals. Among them, over 110 papers appeared in top ranked CS conferences in their respective areas (Most conferences are very competitive with rigorous reviews (3 or more reviews) and very low acceptance rate (7-20%)), over 40 papers appeared in top ranked journals. According to **Google Scholar**, my H-index is 37 and my papers have been cited over 4800 times. I also gave three tutorials at leading data mining conferences.

My Google Scholar profile can be found at http://scholar.google.com/citations?user=_SuhcLEAAAAAJ&hl=en.

- Papers in top conferences:
 - 16 papers in SIGKDD (ACM Int'l Conf on Knowledge Discovery and Data Mining)
 - 20 papers in ICDM (IEEE Int'l Conf on Data Mining)
 - 1 paper in SIGMOD (ACM Int'l Conf on Management of Data)
 - 1 paper in VLDB (International Conference on Very Large Data Bases)
 - 6 papers in SIGIR (ACM Int'l Conf on Information Retrieval)
 - 15 posters in SIGIR (ACM Int'l Conf on Information Retrieval)
 - 2 papers in ICML (Int'l Conf on Machine Learning)
 - 6 papers in AAAI (AAAI Annual Conf on AI)

- 3 papers in IJCAI (International Joint Conference on AI)
 - 1 paper in Coling (International Conference on Computational Linguistics)
 - 2 papers in ACL (Annual Meeting of the Association for Computational Linguistics)
 - 1 paper in CSB (IEEE Computational Systems Bioinformatics Conference)
 - 8 papers in SDM (SIAM Int'l Conf on Data Mining)
 - 2 papers in ECML/PKDD (European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases)
 - 17 papers in CIKM (ACM Int'l conf on Information and Knowledge Management)
 - 1 paper in MM (ACM Int'l conf on Multimedia)
 - 6 papers in ISMIR (International Symposium on Music Information Retrieval)
 - 2 papers in ICASSP (IEEE Int'l conf on Acoustic, Speech, and Signal Processing)
 - 1 paper in IEEE CVPR (IEEE Int'l conf on Computer Vision and Pattern Recognition)
 - 1 paper in EMNLP (Empirical Methods in NLP)
 - 1 paper in WSDM (ACM Int'l conf on Web Search and Data Mining)
 - 1 paper in NAACL (Annual Meeting of the North American Chapter of the Association for Computational Linguistics)
- Papers in top ranked journals:
 - 2 papers in ACM Transactions on Knowledge Discovery from Data
 - 2 papers in ACM Transactions on Intelligent Systems and Technology
 - 1 paper in BMC Genomics (BioMed Central)

- 1 paper in Machine Learning Journal (Springer)
- 2 papers in TCBB (ACM/IEEE Transactions on Computational Biology and Bioinformatics)
- 1 paper in Bioinformatics (Oxford University Press)
- 1 paper in IEEE T-ASLP (IEEE Transactions on Audio, Speech and Language Processing)
- 4 papers in IEEE T-MM (IEEE Transactions on Multimedia)
- 1 paper in IEEE T-NN (IEEE Transactions on Neural Networks)
- 1 paper in IEEE T-NSM (IEEE Transactions on Network and Service Management)
- 1 paper in IEEE PAMI (IEEE Transactions on Pattern Analysis and Machine Intelligence)
- 6 papers in IEEE SMC (IEEE Transactions on Systems, Man and Cybernetics)
- 1 paper in IEEE HMC (IEEE Transactions on Human-Machine Systems)
- 5 papers in KAIS (Knowledge and Information Systems, Springer)
- 1 paper in Journal of Information Retrieval
- 4 papers in IEEE Transactions on Knowledge and Data Engineering
- 4 papers in Data Mining and Knowledge Discovery
- 4 papers in SIGKDD Explorations
- 2 papers in Information Processing and Management (IPM)

Acceptance rates of selected conference venues where my work has appeared after joining FIU:

- 2013 ACM Conference on Information and Knowledge Management: 17%

- 2013 ACM Web Search and Data Mining (WSDM) Conference: 11%
- 2012 ACM SIGKDD International Conference on Knowledge Discovery and Data Mining: 20%
- 2012 ACM International Conference on Information and Knowledge Management: 12%
- 2011 IEEE International Conference on Data Mining: 13%
- 2011 ACM SIGIR International Conference on Research and Development in Information Retrieval: 18%
- 2010 IEEE International Conference on Data Mining: 9%
- 2009 SIAM International Conference on Data Mining: 15%
- 2009 IEEE International Conference on Data Mining: 9%
- 2008 IEEE International Conference on Data Mining: 10%
- 2008 SIAM International Conference on Data Mining: 14%
- 2007 IEEE International Conference on Data Mining: 7%
- 2010 ACM SIGKDD International Conference on Knowledge Discovery and Data Mining: 11%
- 2008 ACM SIGKDD International Conference on Knowledge Discovery and Data Mining: 10%
- 2007 ACM SIGKDD International Conference on Knowledge Discovery and Data Mining: 8%
- 2008 International Conference on Very Large Data Bases (VLDB 2008): 16%

- 2007 ACM SIGMOD International Conference on Management of Data: 14%
- 2008 ACM SIGIR International Conference on Research and Development in Information Retrieval: 17%
- 2007 ACM SIGIR International Conference on Research and Development in Information Retrieval: 17%
- 2006 IEEE International Conference on Data Mining: 9%
- 2006 ACM SIGKDD International Conference on Knowledge Discovery and Data Mining: 12%
- 2005 ACM SIGKDD International Conference on Knowledge Discovery and Data Mining: 12%

BOOKS

1. TAO LI, GEORGE TZANETAKIS, and MITSUNORI OGIHARA. **Music Data Mining**, Chapman & Hall/CRC Data Mining and Knowledge Discovery Series, 2011.

VOLUMES EDITED

1. TAO LI, JING HE, CHRIS DING, and FEI WANG. **Proceedings of ICDM 2010 Workshop on Optimization Methods for Emerging Data Mining Problems (OEDM'10)**, 2010.

2. TAO LI, CHRIS DING and FEI WANG. **Proceedings of ICDM 2009 Workshop on Optimization Methods for Emerging Data Mining Problems (OEDM'09)**, 2009.
3. CHRIS DING and TAO LI. **Proceedings of the KDD 2009 Workshop on Data Mining using Matrices and Tensors(DMMT'09)**, 2009. ISBN 978-1-60558-673-1.
4. CHRIS DING, TAO LI, and SHENGHUO ZHU. **Proceedings of the KDD 2008 Workshop on Data Mining using Matrices and Tensors(DMMT'08)**, 2008. ISBN 978-1-60558-307-5.
5. M. ARIF WANI, MEHMED KANTARDZIC, TAO LI, and YING LIU. **Proceedings of the Sixth International Conference on Machine Learning and Applications**, ISBN 0-7695-3069-9, IEEE Computer Society, 2007.
6. M. ARIF WANI, TAO LI, LUKASZ KURGAN, JIEPING YE, and YING LIU. **Proceedings of the Fifth International Conference on Machine Learning and Applications**, ISBN 0-7695-2735-3, IEEE Computer Society, 2006.
7. TAO LI, Charles Perng, Haixun Wang, and Carlotta Domeniconi. **Proceedings of the KDD 2006 Workshop on Theory and Practice of Temporal Data Mining (TPTDM 2006)**, 2006.
8. Sheng Ma, TAO LI, and Charles Perng. **Proceedings of the TDM05 Workshop: Temporal Data Mining: Algorithms, Theory and Applications**, ISBN 0-9738918-3-1, IEEE Computer Society, 2005
9. Sheng Ma, TAO LI, and Charles Perng. **Proceedings of the TDM04 Workshop: Temporal Data Mining: Algorithms, Theory and Applications**, 2004.

PATENT

1. TAO LI, Qi Li, and Mitsunori Ogiwara. **Music Feature Extraction Using Wavelet Coefficient Histograms**, US Patent Number 7,091,409. Awarded 8/15/06.

BOOK CHAPTERS

1. TAO LI and CHRIS DING. **Non-negative Matrix Factorizations for Clustering: A Survey**, In C. C. Aggarwal and C. K. Reddy, eds., *Data Clustering: Algorithms and Applications*, Chapman & Hall/CRC Data Mining and Knowledge Discovery Series, 2013.
2. TAO LI and LEI LI. **Music Data Mining: An Introduction**, In T. Li, G. Tzanetakis, and M. Ogiwara, eds., *Music Data Mining*, Chapman & Hall/CRC Data Mining and Knowledge Discovery Series, 2011.
3. BRANDT ABSOLU, TAO LI, and MITSUNORI OGIHARA. **Analysis of Chord Progression Data**, In Z. W. Ras and A. Wierzchowska, eds., *Advances in Music Information Retrieval*, Springer.
4. TAO LI, MITSUNORI OGIHARA, BO SHAO, DINGDING WANG. **Machine Learning Approaches for Music Information Retrieval**. In M. J. Er and Y. Zhou, eds., *Machine Learning*, In-Tech Education and Publishing, 2009.
5. TAO LI, SHENG MA, and MITSUNORI OGIHARA. **Wavelet Methods in Data Mining**. In O. Maimon and L. Rokach, eds., *The Data Mining and Knowledge Discovery Handbook: A Complete Guide for Practitioners and Researchers*, pages 603–626, Springer-Verlag, 2005.

6. TAO LI and SHENG MA. **An Overview on Clustering Techniques**. In Encyclopedia of Data Warehousing and Mining, Idea Group Inc, 2006.

TUTORIALS

1. CHRIS DING, TAO LI. **Tutorial on Data Mining using Matrices and Tensors**. In 2009 IEEE International Conference on Data Mining (ICDM 2009).
2. FEI WANG, TAO LI, and CHRIS DING. **Tutorial on Data Mining with Graphs and Tensors**. In 2009 SIAM International Conference on Data Mining (SDM 2009).
3. FEI WANG, TAO LI, and CHRIS DING. **Tutorial on Information and Knowledge Management using Matrices and Graphs**. In ACM 17th Conference on Information and Knowledge Management (CIKM 2008).

PUBLICATIONS IN REFEREED JOURNALS

Review Procedure: Below I list articles that have appeared or accepted in various Computer Science journals. All publications below underwent peer-review by an average 3-4 expert reviewers in the area.

1. LI ZHENG, CHAO SHEN, LIANG TANG, CHUNQIU ZENG, TAO LI, STEVEN LUIS, and SHU-CHING CHEN. **Data Mining Meets the Needs of Disaster Information Management**, *IEEE Transactions on Human-Machine Systems*, 2013, in press.
2. YEXI JIANG, CHANG-SHING PERNG, TAO LI, and RONG CHANG. **Cloud Analytics for Capacity Planning and Instant VM Provisioning**, *IEEE Transactions on Network and Service Management (TNSM)*, 2013, in press.

3. HONGJUN WANG, TAO LI, TIANRUI LI, and YAN YANG. **Constraint Neighborhood Projections for Semi-Supervised Clustering**, *IEEE Transactions on Cybernetics*, 2013, in press. (impact factor: 3.236)
4. WENTING LU, JINGXUAN LI, TAO LI, HONGGANG ZHANG, and JUN GUO. **Web Multimedia Object Classification using Cross-Domain Correlation Knowledge**, *IEEE Transactions on Multimedia*, 2013, in press. (impact factor: 1.754)
5. LIANG TANG, TAO LI, YEXI JIANG, and ZHIYUAN CHEN. **Dynamic Query Forms for Database Queries**, *IEEE Transactions on Knowledge and Data Engineering*, 2013, in press. (impact factor: 3.691)
6. LEI LI and TAO LI. **An Empirical Study of Ontology-based Multi-document Summarization in Disaster Management**, *IEEE Transactions SMC: Systems*, in press, 2013. (Impact factor: 2.548)
7. LI ZHENG, LEI LI, WENXING HONG, and TAO LI. **PENETRATE: Personalized News Recommendation Using Ensemble Hierarchical Clustering**, *Expert Systems and Applications*, **40**(6): 2127-2146, 2013. (impact factor: 2.455)
8. KESHOU WU, LEI LI, JINGXUAN LI, and TAO LI. **Ontology-enriched Multi-document Summarization in Disaster Management using Submodular Function**, *Information Sciences*, **224**: 118-129, 2013. (impact factor: 3.643)
9. DINGDING WANG, SHENGHUO ZHU, TAO LI, and YIHONG GONG. **Comparative Document Summarization via Discriminative Sentence Selection**, *ACM Transactions on Knowledge Discovery from Data (ACM TKDD)*, **6**(3): 12, 2012.
10. ZHIYUAN CHEN, TAO LI, and YANAN SUN. **A Learning Approach to SQL Query Results Ranking Using Skyline and Users' Current Navigational Behavior**,

- IEEE Transactions on Knowledge and Data Engineering*, in press, 2012. (impact factor: 3.691)
11. Muhammad Zia-Ur Rehman, TIAN-RUI LI, and TAO LI. **Exploiting Empirical Variance for Data Stream Classification**, *Journal of Shanghai Jiaotong University (Science)*, **17**(2): 245-250, 2012.
 12. Fan Yang, WEI-HANG LU, LIN-KAI LUO, and TAO LI. **Margin Optimization based Pruning for Random Forest**, *Neurocomputing*, **94**: 54-63, 2012. (impact factor: 1.634)
 13. WENTING LU, LEI LI, JINGXUAN LI, TAO LI, HONGGANG ZHANG, and JUN GUO. **A Multimedia Information Fusion Framework for Web Image Categorization**, *Multimedia Tools and Applications*, in press, 2012. (impact factor: 0.617)
 14. WEIWEI ZHANG, YANFANG YE, YONG CHEN, and TAO LI. **Ensemble Clustering for Internet Security Applications**, *IEEE Transactions on Systems, Man, and Cybernetics Part C*, **42**(6): 1784-1796, 2012. (impact factor: 2.548)
 15. WENXING HONG, Lei Li and TAO LI. **Product Recommendation with Temporal Dynamics**, *Expert Systems and Applications*, **39**(16): 12398-12406, 2012. (impact factor: 2.455)
 16. DINGDING WANG, SHENGHUO ZHU, and TAO LI. **SumView: A Web-Based Engine for Summarizing Product Reviews and Customer Opinions**, *Expert Systems and Applications*, **40**(1): 27-33, 2013. (impact factor: 2.455)
 17. LEI LI, DINGDING WANG, SHUNZHI ZHU, and TAO LI. **Personalized News Recommendation: A Review and An Experimental Investigation**, *Journal of Computer Science and Technology*, **26**(5): 754-766, 2011.

18. JINGXUAN LI, BO SHAO, TAO LI, and MITSUNORI OGIHARA. **Hierarchical Co-Clustering: A New Way To Organize The Music Data**, *IEEE Transactions on Multimedia*, **14**(2): 471-481, 2012. (impact factor: 1.754)
19. ZHONGYUAN ZHANG, TAO LI, and CHRIS DING. **Non-negative Tensor Factorizations with Applications**, *Knowledge and Information Systems Journal*, **34**(2): 243-265, 2013. (impact factor: 2.225)
20. YI ZHANG and TAO LI. **DClusterE: A Framework for Evaluating and Understanding Document Clustering Using Visualization**, *ACM Transactions on Intelligent Systems and Technology*, **3**(2): 24, 2012.
21. JINGXUAN LI, LEI LI, and TAO LI. **Multidocument Summarization using Submodularity**, *Applied Intelligence*, **37**(3): 420-430, 2012. (impact factor: 1.853)
22. DINGDING WANG and TAO LI. **Weighted Ensemble Summarization**, *Information Processing and Management*, **48**(3): 513-523, 2012. (Impact factor: 1.119)
23. WEIWEI ZHANG, YANFANG YE, TAO LI, and QINGSHAN JIANG. **Intelligent Phishing Website Detection using Classification Ensemble**, *System Engineering Theory and Practice*, **31**(10), 2011. (In Chinese)
24. WEI PENG, TONG SUN, SHRIRAM REVANKAR and TAO LI. **Mining the “Voice of the Customer” for Business Prioritization**. *ACM Transactions on Intelligent Systems and Technology*, **3**(2): 38, 2012.
25. TAO LI, CHRIS DING, FEI WANG. **Guest Editorial: Special Issue on Data Mining using Matrices, Graphs and Tensors**. *Data Mining and Knowledge Discovery*, **22**(3): 337-339, 2011. (Impact factor: 2.877)

26. WEI PENG and TAO LI. **Temporal Relation Co-clustering on Directional Social Network and Author-Topic Evolution**, *Knowledge and Information Systems Journal*, **26**(3): 467-486, 2011. (impact factor: 2.225)
27. DAN ZHANG, FEI WANG, LUO SI, and TAO LI. **Maximum Margin Multiple Instance Clustering with its Applications to Image and Text Clustering**, *IEEE Transaction on Neural Networks (TNN)*, **22**(5): 739-751, 2011. (impact factor: 2.952)
28. DINGDING WANG, SHENGHUO ZHU, TAO LI, YUN CHI, and YIHONG GONG. **Integrating Document Clustering and Multi-Document Summarization**, *ACM Transactions on Knowledge Discovery from Data (ACM TKDD)*, **5**(3), 14, 2011.
29. SHUNZHI ZHU, DINGDING WANG, and TAO LI. **Data Clustering with Size Constraints**, *Knowledge-Based Systems*, **23**(8): 883-889, 2010. (impact factor: 4.104)
30. FEI WANG, TAO LI, XIN WANG, SHENGHUO ZHU, and CHRIS DING. **Community Discovery Using Nonnegative Matrix Factorization**, *Data Mining and Knowledge Discovery*, **22**(3): 493-521, 2011. (impact factor: 2.877)
31. VAGELIS HRISTIDIS, SHU-CHING CHEN, TAO LI, STEVEN LUIS, and YI DENG. **Survey of Data Management and Analysis in Disaster Situations**, *Journal of Systems and Software*, **83**(10): 1701-1714, 2010. (impact factor: 1.135)
32. DINGDING WANG, TAO LI, SHENGHUO ZHU, and YIHONG GONG. **iHelp: An Intelligent Online Helpdesk System**, *IEEE Transactions on Systems, Man, and Cybernetics Part B*, **41**(1):173-182, 2011. (impact factor: 3.236)
33. WEI PENG and TAO LI. **Tensor Clustering via Adaptive Subspace Iteration**, *Intelligent Data Analysis Journal*, **15**(5):695-713, 2011. (impact factor: 0.472)

34. ERLIANG ZENG, CHENGYONG YANG, TAO LI, and GIRI NARASIMHAN. **Clustering Genes using Heterogeneous Data Sources**, *International Journal of Knowledge Discovery in Bioinformatics (IJKDB)*, **1**(2): 12-28, 2010.
35. WEI PENG and TAO LI. **On the Equivalence Between Nonnegative Tensor Factorization and Tensorial Probabilistic Latent Semantic Analysis**, *Applied Intelligence*, **35**(2): 285-295, 2011. (impact factor: 1.853)
36. YANFANG YE, TAO LI, QINGSHAN JIANG, and YOUYU WANG. **CIMDS: Adapting Postprocessing Techniques of Associative Classification for Malware Detection**, *IEEE Transactions on Systems, Man, and Cybernetics Part C*, **40**(3): 298-307, 2010. (impact factor: 2.548)
37. ZHIYUAN CHEN and TAO LI. **Addressing Diverse User Preferences: A Framework for Query Results Navigation**. *IEEE Data Eng. Bull*, **32**(4): 41-48, 2009.
38. ZHONG-YUAN ZHANG, TAO LI, CHRIS DING, XIAN-WEN REN, and XIANG-SUN ZHANG. **Binary Matrix Factorization for Analyzing Gene Expression Data**. *Data Mining and Knowledge Discovery*, **20**(1): 28-52, 2010. (Impact factor: 2.877)
39. FEI WANG, XIN WANG, DAOQIANG ZHANG, CHANGSHUI ZHANG, and TAO LI. **marginFace: A Novel Face Recognition Method by Average Neighborhood Margin Maximization**. *Pattern Recognition*, **42**(11): 2863-2875, 2009. (Impact factor: 2.29)
40. YANFANG YE, TAO LI, KAI HUANG, QINGSHAN JIANG, YONG CHEN. **Hierarchical Associative Classifier (HAC) for Malware Detection from the Large and Imbalanced Gray List**. *Journal of Intelligent Information Systems*, **35**(1): 1-20, 2010.

41. TAO LI, MITSUNORI OGIHARA and SHENG MA. **On Combining Multiple Clusterings: An Overview and A New Perspective.** *Applied Intelligence*, **33**(2): 207-219, 2010. (impact factor: 1.853)
42. BO SHAO, DINGDING WANG, TAO LI, and MITSUNORI OGIHARA. **Music Recommendation Based on Acoustic Features and User Access Patterns.** *IEEE Transactions on Audio, Speech and Language Processing*, **17**(8): 1602-1611, 2009. (impact factor: 1.675)
43. FEI WANG, CHANGSHUI ZHANG, and TAO LI. **Clustering with Local and Global Regularization.** *IEEE Transactions on Knowledge and Data Engineering*, **21**(12):1665-1678, 2009. (impact factor: 3.691)
44. CHRIS DING, TAO LI, and MICHAEL I. JORDAN. **Convex and Semi-Nonnegative Matrix Factorizations.** *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **32**(1):45-55, 2010. (impact factor: 4.908)
45. TAO LI, MITSUNORI OGIHARA, WEI PENG, BO SHAO, and SHENGHUO ZHU. **Music Clustering with Features from Different Information Sources.** *IEEE Transactions on Multimedia*, **11**(3): 477-485, 2009. (impact factor: 1.754)
46. TAO LI, WEI PENG, CHARLES PERNG, SHENG MA, and HAIXUN WANG. **An Integrated Data-Driven Framework for Computing System Management.** *IEEE Transactions on Systems, Man, and Cybernetics Part A*, **40**(1): 90-99, 2010. (impact factor: 2.183)
47. YANFANG YE, LIFEI CHEN, DINGDING WANG, TAO LI, and MIN ZHAO. **SBMDS: An Interpretable String Based Malware Detection System using SVM Ensemble with Bagging.** *Journal in Computer Virology*, **5**(4): 283-293, 2009.

48. WEI PENG, TONG SUN, PHILIP ROSE, and TAO LI. **Computation and Applications of Industrial Leading Indicators to Business Process Improvement.** *International Journal of Intelligent Control and Systems (IJICS)*, **13**(3):196-207, 2008.
49. CHRIS DING, TAO LI, and SHENGHUO ZHU. **KDD2008 Workshop Report DMMT.08: Data Mining Using Matrices and Tensors.** *SIGKDD Explorations*, **10**(2): 54-56, 2008.
50. YI ZHANG, DINGDING WANG, and TAO LI. **LIBGS: A MATLAB Software Package For Gene Selection.** *International Journal of Data Mining and Bioinformatics*, **4**(3): 348-355, 2010.
51. YI ZHANG, CHRIS DING, and TAO LI. **Gene Selection Algorithm by Combining ReliefF and mRMR.** *BMC Genomics*, **9**: S27, 2008. (impact factor: 4.18)
52. SHENGHUO ZHU, DINGDING WANG, KAI YU, TAO LI and YIHONG GONG. **Feature Selection for Gene Expression using Model-based Entropy.** *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, **7**(1): 25-36, 2010. (impact factor: 2.246)
53. TAO LI, SHENGHUO ZHU, and MITSUNORI OGIHARA. **Text Categorization via Generalized Discriminant Analysis.** *Information Processing & Management*, Vol 44: 1684-1697, 2008. (impact factor: 1.500)
54. TAO LI. **Clustering Based on Matrix Approximation.** *Knowledge and Information Systems Journal*, **17**(1): 1-15, 2008. (impact factor: 2.225)
55. RAMAKRISHNA VARADARAJAN, VAGELIS HRISTIDIS, and TAO LI. **Beyond Single-Page Web Search Results.** *IEEE Transactions on Knowledge and Data Engineering*, **20**(3): 411-424, 2008. (impact factor: 3.691)

56. CHRIS DING, TAO LI and WEI PENG. **On the Equivalence Between Non-negative Matrix Factorization and Probabilistic Latent Semantic Indexing.** *Computational Statistics and Data Analysis*, **52**(8): 3913-3927, 2008. (impact factor: 1.304)
57. YANFANG YE, DINGDING WANG, TAO LI and DONGYI YE. **An Intelligent PE-Malware Detection System Based on Association Mining.** *Journal in Computer Virology*, **4**(4): 323-334, 2008.
58. TAO LI, CHANG-SHING PERNG, and SHENG MA. **Guest Editorial: Special Issue on Temporal Data Mining: Theory, Algorithms and Applications.** *Data Mining and Knowledge Discovery*, **16**(1): 1-3, 2008. (impact factor: 2.877)
59. LI ZHANG, TAO LI, SHIXIA LIU, and YUE PAN. **An Integrated System for Building Enterprise Taxonomies.** *Information Retrieval*, **10**(4/5): 365-395, 2007. (impact factor: 0.770)
60. TAO LI, SHENGHUO ZHU, and MITSUNORI OGIHARA. **Hierarchical Document Classification Using Automatically Generated Hierarchy.** *Journal of Intelligent Information Systems*, **29**(2): 211-230, 2007. (impact factor: 0.796)
61. WEIXIANG SUN, TAO LI, WEI PENG, and TONG SUN. **Incremental Workflow Mining with Optional Patterns and Its Application to Production Printing Process.** *The International Journal of Intelligent Control and Systems*, **12**(1): 45-55, 2007.
62. TAO LI. **A Unified View on Clustering Binary Data.** *Machine Learning*, **62**(3): 199-215, 2006. (impact factor: 1.742)

63. TAO LI, SHENGHUO ZHU, and MITSUNORI OGIHARA. **Using Discriminant Analysis for Multi-class Classification: An Experimental Investigation.** *Knowledge and Information Systems*, **10**(4): 453-472, 2006. (impact factor: 2.225)
64. TAO LI and Chang-Shing Perng. **KDD-2006 Workshop Report: Theory and Practice of Temporal Data Mining.** *SIGKDD Explorations*, **8**(2): 96-97, 2006.
65. TAO LI and MITSUNORI OGIHARA. **Toward Intelligent Music Information Retrieval.** *IEEE Transactions on Multimedia*, **8**(3):564–574, 2006. (impact factor: 1.754)
66. JIEPING YE, TAO LI, TAO XIONG, and RAVI JANARDAN. **Using Uncorrelated Discriminant Analysis for Tissue Classification with Gene Expression Data.** *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, **1**(4): 181–190, 2004. (impact factor: 2.246)
67. TAO LI and MITSUNORI OGIHARA. **Semisupervised Learning from Different Information Sources.** *Knowledge and Information Systems*, **7**(3): 289–309 (2005). (impact factor: 2.225)
68. WEI PENG, TAO LI , and SHENG MA. **Mining logs files for Data-Driven System Management.** *SIGKDD Explorations*, **7**(1): 44–51, 2005.
69. TAO LI, CHENGLIANG ZHANG, and MITSUNORI OGIHARA. **A Comparative Study of Feature Selection and Multiclass Classification Methods for Tissue Classification Based on Gene Expression.** *Bioinformatics*, **20**:2421–2428, 2004. (impact factor: 5.323)
70. TAO LI, QI LI, SHENGHUO ZHU, and MITSUNORI OGIHARA. **A Survey on Wavelet Applications in Data Mining.** *SIGKDD Explorations*, **4**(2):49–68, 2003.

71. TAO LI, SHENGHUO ZHU, and MITSUNORI OGIHARA. **Algorithms for Clustering High Dimensional and Distributed Data.** *Intelligent Data Analysis*, **7**(4):305–326, 2003. (impact factor: 0.472)
72. TAO LI, MITSUNORI OGIHARA, and SHENGHUO ZHU. **Association-based Similarity Testing and Its Applications.** *Intelligent Data Analysis*, **7**(3):209–232, 2003. (impact factor: 0.472)
73. XIANGHUI LIU, NOPHILL PARK, TAO LI, and Roger Y. Lee. **Exploiting Both Spatial And Temporal Locality In Page Replacement Algorithm.** *International Journal of Computer & Information Science (IJCIS)*, **3**(1), 2002.

PUBLICATIONS IN PEER-REVIEWED CONFERENCE PROCEEDINGS

Review Procedure: Below I list articles that have appeared or accepted in the proceedings of various Computer Science conferences. All publications underwent peer-review by an average 3-4 expert reviewers in the area. Note that, in several areas of Computer Science, including my own (Data Mining), conferences are usually at least as important as journals. Conference publications are considered to have greater impact and are often more timely and prestigious than journal publications, due to its rigorous review process and low acceptance rates.

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3. LIANG TANG, TAO LI, LARISA SHWARTZ, and GENADY GRABARNIK. **Identifying Missed Monitoring Alters Based on Unstructured Incident Tickets**, In *Proceedings of the 9th International Conference on Network and Service Management (CNSM 2013)*, 2013.
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5. LIANG TANG and TAO LI. **Searching Similar Segments over Textual Event Sequences**, In *Proceedings of the 22nd ACM Conference on Information and Knowledge Management (CIKM'13)*, 2013.
6. CHUNQIU ZENG, YEXI JIANG, LI ZHENG, JINGXUAN LI, LEI LI, HONGTAI LI, CHAO SHEN, WUBAI ZHOU, TAO LI, BING DUAN, MING LEI, and PENGNIAN WANG. **FIU-Miner: A Fast, Integrated, and User-Friendly System for Data Mining in Distributed Environment**, In *Proceedings of the 19th ACM SIGKDD Conference on Knowledge Discovery and Data Mining (SIGKDD'13)*, pages 1506-1509, 2013.
7. LIANG TANG, TAO LI, LARISA SHWARTZ, FLORIAN PINEL, and GENADY GRABARNIK. **An Integrated Framework for Optimizing Automatic Monitoring Systems in Large IT Infrastructures**, In *Proceedings of the 19th ACM SIGKDD Conference on Knowledge Discovery and Data Mining (SIGKDD'13)*, pages 1249-1257, 2013.

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9. LIANG TANG, TAO LI, LARISA SHWARTZ, and GENADY GRABARNIK. **Recommending Resolutions for Problems Identified by Monitoring**, In *Proceedings of the IFIP/IEEE International Symposium on Integrated Network Management(IM'2013)*, 2013.
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11. LEI LI and TAO LI. **News Recommendation via Hypergraph Learning: Encapsulation of User Behavior and News Content**, In *Proceedings of the Sixth ACM International Conference on Web Search and Data Mining (WSDM 2013)*, pages: 305-314, 2013.
12. JINGXUAN LI, WEI PENG, TAO LI, and TONG SUN. **Social Network User Influence Dynamics Prediction**, In *Proceedings of the 15th International Asia-Pacific Web Conference (APWeb 2013)*, pages 310-322, 2013.
13. HONGJUN WANG, TAO LI, TIANRUI LI, and YAN YANG. **Exemplars-Constraints for Semi-supervised Clustering**, In *Proceedings of ADMA 2012, LNAI 7713*, pages 115126, 2012.
14. YIMIN YANG, WENTING LU, JESSE DOMACK, TAO LI, SHU-CHING CHEN, STEVEN LUIS, and JAINENDRA K. NAVLAKHA. **MADIS: A Multimedia-Aided Disaster**

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139. TAO LI and SHENG MA. **Mining Temporal Patterns Without Pre-defined Time Windows**. In *Proceedings of The Fourth International Conference on Data Mining (ICDM 2004)*, pages 451–454, 2004.
140. TAO LI and MITSUNORI OGIHARA. **Semi-supervised Learning for Music Artist Classification**. In *Proceedings of the IEEE Conference on Information Knowledge Management (CIKM'04)*, pages 152–153, 2004.
141. TAO LI, SHENG MA, and MITSUNORI OGIHARA. **On Combining Multiple Clusterings**. In *Proceedings of the IEEE Conference on Information Knowledge Management (CIKM'04)*, pages 294–303, 2004.

142. TAO LI and SHENG MA. **IFD: Iterative Feature and Data Clustering**. In *Proceedings of The 2004 SIAM International Conference on Data Mining (SDM 2004)*, 2004.
143. TAO LI and MITSUNORI OGIHARA. **Music Artist Style Identification by Semisupervised Learning from Both Lyrics and Content**. In *Proceedings of the 12th ACM International Conference on Multimedia (MM'04)*, pages 364–367, 2004.
144. TAO LI, SHENG MA, and MITSUNORI OGIHARA. **Entropy-based Criterion for Categorical Data Clustering**. In *Proceedings of the 21st International Conference on Machine Learning (ICML'04)*, pages 536–543.
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158. QI LI, TAO LI, SHENGHUO ZHU, and CHANDRA KAMBHAMETTU. **How well can wavelet denoising improve the accuracy of computing fundamental matrices?** In *Proceedings of IEEE Workshop on Motion and Video Computing*, pages 247–252, 2002.
159. SHENGHUO ZHU and TAO LI. **A Non-distance Based Clustering Algorithm**. In *Proceedings of The 2002 International Joint Conference on Neural Networks (IJCNN 2002)*, 2002.
160. TAO LI, SHENGHUO ZHU, and MITSUNORI OGIHARA. **Mining Patterns from Case-based Analysis**. In *ICDM 2001 Workshop on Integrating Data Mining and Knowledge Management*.
161. TAO LI and CHEN DING. **Instruction Balance and its Relation to Program Energy Consumption**. In *Proceedings of The 14th International Workshop on Languages and Compilers for Parallel Computing of (LCPC 2001)*, pages 71–85, 2001.

GRANT SUPPORT

Quick Summary: So far I have brought over \$2 million research grant as **the sole PI**. *After receiving tenure in 2009: as a PI, I received 2 grants from Army Research Office, 3 grants from National Science Foundation, and 1 grant from Department of Homeland Security; as a co-PI, I received 2 grants from NSF and 2 grants from Department of Homeland Security.* In particular, I received several sole-PI awards: a CAREER Award from the National Science Foundation (2006-2011), and three IBM Faculty Research Awards (2005, 2007 & 2008). These are highly prestigious research awards. I am the first faculty member in School of Computing and Information Science (SCIS) at FIU to receive the prestigious NSF CAREER Award in 2006 (\$482K). I also received Army Research Office Award for \$300K in 2010 (note the award was originally funded as a young investigator career award, but was later upgraded as a regular grant to give me more money). I am also serving as a sole-PI of an NSF DBI Award (\$325K), a sole-PI of an NSF DMS grant (\$150K), a sole-PI of an NSF BPC supplement grant (\$96K), a PI of NSF DMS grant (\$44K), a PI of an NSF CCF grant (\$50K), a PI of an ARO grant (\$138K), a co-PI on an NSF III Large grant (\$1280K), a Co-PI on an NSF MRI grant (\$1000K), a Co-PI on two DHS grants (\$600K), a Co-PI on an NSF I/UCRC grant (\$350K), a Co-PI on an NIH grant (\$293K), a Co-PI on the NSF REU (Research Experience for Undergraduates) grant (\$300K), a Co-PI on NSF CREST supplement grant (\$100K), a senior investigator on NSF PIRE grant (\$2300K) and NSF CREST grant (\$5000K). I also received many prestigious industry research awards including IBM Faculty Research Awards, IBM Shared University Research Award, Xerox Research Award, and NEC research Award.

- Project Title: A Computing Platform for Large- Scale Information Fusion and Data Mining

Funding Agency & Grant No.: Army Research Office, W911NF-12-1-0431

Title on Grant: PI

Period Covered: August. 2012 – August 2013

Amount: \$138,490

- Project Title: NSF III: Large: Collaborative Research: Moving Objects Databases for Exploration of Virtual and Real Environments

Funding Agency & Grant No.: NSF IIS-1213026

Title on Grant: Co-PI (PI: Naphtali Rische)

Period Covered: October. 2012 – September 2017

Amount: \$1,283,000

- Project Title: Synthesis of the Advance in and Application of Fractal Characteristics of Traffic Flow

Funding Agency & Grant No.: Florida Department of Transportation BDK80 TWO 977-25

Title on Grant: Co-PI (PI: Albert Gan)

Period Covered: April 2012 – August 2013

Amount: \$40,000

- Project Title: MRI: Particle Filtering Technology for Wearable Medical Sensors

Funding Agency & Grant No.: Streamline Automation (NSF SBIR Phase IIa)

Title on Grant: Co-PI (PI: Naphtali Rische)

Period Covered: Sept. 2012 – August 2013

Amount: \$100,000

- Project Title: MRI: Development of an Integrated, Geospatial Analytics Research Instrument

Funding Agency & Grant No.: NSF CNS-1126619

Title on Grant: Co-PI (PI: Naphtali Rishe)

Period Covered: Sept. 2011 – August 2014

Amount: \$678,693
- Project Title: Improving Customer Engagement and Community Management with Social Game Analytics

Funding Agency & Grant No.: Xerox Research.

Title on Grant: PI (Sole PI)

Period Covered: July, 2011 — July, 2014

Amount: \$90,000
- Project Title: All-Hazard Disaster Situation Browser (ADSB) on Mobile Devices

Funding Agency & Grant No.: Eugenio Pino and Family Global Entrepreneurship Center

Title on Grant: PI

Period Covered: March, 2011 — August, 2012

Amount: \$10,798
- Project Title: A Research and Educational Framework to Advance Disaster Information Management in Computer Science PhD Programs

Funding Agency & Grant No.: Department of Homeland Security, 2010-ST-062-000039

Title on Grant: Co-PI (PI: Shu-ching Chen)

Period Covered: February 1, 2011 — January 31, 2015

Amount: \$400,000

- Project Title: Knowledge Discovery and Information Delivery for Disaster Management

Funding Agency & Grant No.: IBM Scalable Data Analytics for A Smarter Planet Innovation Award

Title on Grant: PI

Period Covered: October 20, 2010 — October 20, 2011

Amount: \$20,000

- Project Title: Unsupervised Learning from Multiple Information Sources Based on Non-negative Matrix Factorization

Funding Agency & Grant No.: Army Research Office, W911NF-10-1-0366

Title on Grant: PI (sole PI)

Period Covered: August 19th, 2010 — August 31, 2013

Amount: \$300,000

- Project Title: A Data Mining Framework for Enhancing Emergency Response Situation Reports with Multi-Agency, Multi-Partner, Multimedia Data

Funding Agency & Grant No.: Purdue VACCINE/DHS 4112-35822

Title on Grant: Co-PI (PI: Shu-ching Chen)

Period Covered: April 1, 2010 — March 31, 2014

Amount: \$135,000

- Project Title: NSF/DBI: Gene Functional Prediction from Protein-Protein Interaction Data
Funding Agency & Grant No.: National Science Foundation (NSF), DBI-0850203
Title on Grant: PI (sole PI)
Period Covered: September 1, 2009 — August 31, 2012
Amount: \$325,000
- Project Title: NSF/CCF: Collaborative Research: Cross-Domain Knowledge Transformation via Matrix Decompositions
Funding Agency & Grant No.: National Science Foundation (NSF), DMS-0939179
Title on Grant: PI (sole PI)
Period Covered: September 1, 2009 — August 31, 2010
Amount: \$46,000
- Project Title: Information Delivery and Knowledge Discovery for Hurricane Disaster Management
Funding Agency & Grant No.: Department of Homeland Security, 2009-ST-062-000016
Title on Grant: Co-PI (PI: Vagelis Christidis)
Period Covered: May 1, 2009 — April 30, 2011
Amount: \$200,000
- Project Title: Collaborative Research: Non-negative Matrix Factorizations for Data Mining: Algorithms and Applications
Funding Agency & Grant No.: National Science Foundation (NSF), DMS-0915110
Title on Grant: PI (sole PI)

Period Covered: September 1, 2009 — August 31, 2012

Amount: \$150,000

- Project Title: Collaborative Research: Non-negative Matrix Factorizations for Data Mining: Algorithms and Applications

Funding Agency & Grant No.: National Science Foundation (NSF), DMS-0844513

Title on Grant: PI (sole PI)

Period Covered: September 15, 2008 — September 30, 2009

Amount: \$44,000

- Project Title: Collaborative Research: Matrix-Model Machine Learning: Unifying Machine Learning and Scientific Computing

Funding Agency & Grant No.: National Science Foundation (NSF), CCF-0830659

Title on Grant: PI (sole PI)

Period Covered: October 1, 2008 — September 30, 2011

Amount: \$62,000

- Project Title: CAREER: Mining Log Data for Computing System Management

Funding Agency & Grant No.: National Science Foundation (NSF), IIS-0546280

Title on Grant: PI (Sole PI)

Period Covered: January 1, 2006 — December 31, 2010

Amount: \$482,719

- Project Title: Integrated Genomic Databases and Microarray Data Analysis

Funding Agency & Grant No.: National Institute of Health (NIH),

Title on Grant: Co-PI (PI: Dr. Giri Narasimhan)

Period Covered: April, 2006 — April, 2008.

Amount: \$293,478

- Project Title: MRI:Development of a High-Performance Database Appliance for Geospatial Applications

Funding Agency & Grant No.: National Science Foundation (NSF), CNS-0821345

Title on Grant: Co-PI (PI: Dr. Naphtali D. Rische)

Period Covered: August 1, 2008 — July 31, 2013.

Amount: \$1,052,000

- Project Title: CREST: Center for Innovative Information Systems Engineering

Funding Agency & Grant No.: National Science Foundation (NSF),

Title on Grant: Subcomponent Co-PI (Subcomponent PI: Dr. Shu-ching Chen)

Period Covered: August 1, 2008 — July 31, 2013.

Amount: \$5,000,000

- Project Title: Center for Advanced Knowledge Enablement

Funding Agency & Grant No.: National Science Foundation (NSF), IIP-0829576

Title on Grant: Co-PI (PI: Dr. Naphtali D. Rische)

Period Covered: July 15, 2008 — June 30, 2013.

Amount: \$395,000

- Project Title: Research Experiences for Undergraduates: Autonomic Computing Research at FIU

Funding Agency & Grant No.: National Science Foundation (NSF), IIS-0552555

Title on Grant: co-PI (PI: Dr. Masoud Milani)

Period Covered: February 15, 2006 — February 14, 2009

Amount: \$300,000

- Project Title: Collaborative Research: Science of Search: Data Search, Analytics, and Architectures Center (DSAAC)

Funding Agency & Grant No.: National Science Foundation (NSF), IIP-0630326

Title on Grant: co-PI (PI: Dr. Naphtali Rishe)

Period Covered: August 15, 2006 — August 14, 2007

Amount: \$20,000

- Project Title: BPC Supplement for CAREER Award

Funding Agency & Grant No.: National Science Foundation (NSF)

Title on Grant: PI (Sole PI)

Period Covered: August, 2007 — December, 2010

Amount: \$96,000

- Project Title: Learning from Multi-relation Data

Funding Agency & Grant No.: NEC Laboratories America

Title on Grant: PI (Sole PI)

Period: October, 2008 — October, 2009

Amount: \$25,000

- Project Title: Intelligent Call Center

Funding Agency & Grant No.: NEC Laboratories America

Title on Grant: PI (Sole PI)

Period: October, 2006 — October, 2007

Amount: \$24,000

- Project Title: An Integrated Platform for Adaptive Workflow System — Combining knowledge-based and data-driven approaches

Funding Agency & Grant No.: Xerox Research.

Title on Grant: PI (Sole PI)

Period Covered: July, 2005 — July, 2008

Amount: \$60,000

- Project Title: Distributed Flexible Resource Scheduling in Production Systems

Funding Agency & Grant No.: NSF SBIR IIA subcontract from LS Optimal, Inc.

Title on Grant: co-PI (PI: Dr. Xudong He)

Period Covered: August, 2006 — July, 2007

Amount: \$105,000

- Project Title: REU Supplement for CAREER AWARD

Funding Agency & Grant No.: National Science Foundation (NSF), IIS-0618493

Title on Grant: PI (Sole PI)

Period Covered: April 13, 2006 — April 12, 2007

Amount: \$12,000

- Project Title: Machine Learning Approaches for Power Management

Funding Agency & Grant No.: IBM Research

Title on Grant: PI (Sole PI)

Period Covered: July, 2008 — July, 2009

Amount: \$28,000

- Project Title: Knowledge Discovery for Autonomic Computing

Funding Agency & Grant No.: IBM Research

Title on Grant: PI (Sole PI)

Period Covered: July, 2005 — July, 2006

Amount: \$40,000

- Project Title: Combining Knowledge Discovery and Adaptive Software Techniques to Build Autonomic Systems

Funding Agency & Grant No.: IBM Research.

Title on Grant: PI (Co-PI: Dr. Masoud Sadjadi)

Period Covered: June, 2005 — June, 2006

Amount: \$50,000 (Equipment)

- Project Title: Pattern Discovery for Autonomic Computing Research

Funding Agency & Grant No.: IBM Research.

Title on Grant: PI (Sole PI)

Period Covered: July, 2007 — July, 2008

Amount: \$30,000

- Project Title: Software Toolkits for Analyzing Heterogeneous Gene Expression Datasets for Cancer Diagnosis

Funding Agency & Grant No.: FIU Office for Access to Biomedical Research

Title of grant: PI (Sole PI)

Period Covered: Nov. 2006, — February, 2007

Amount: \$3,500

- Project Title: PIRE: A Global Living Laboratory for Cyberinfrastructure Application Enablement

Funding Agency & Grant No.: NSF OISE-0730065

Title on Grant: Senior Investigator (PI: Dr. Yi Deng)

Period Covered: September, 2007 — August, 2012

Amount: \$2,300,000

PROFESSIONAL ACTIVITIES

Quick Summary: I served as Associate Editors for ACM Transactions on Knowledge Discovery from Data and Knowledge and Information System Journal, guest editors for the data mining and knowledge discovery journal and IEEE Transactions on Multimedia, a conference chair or program co-chair for about 20 international conferences or workshops. In addition, I have served on the program committees for more than 150 international conferences/workshops including all major conferences in data mining and information retrieval. I have also been a reviewer for more than 50 top quality journals.

1. Editorial Positions:

- **Associate Editor**, *Knowledge and Information System Journal*
- **Associate Editor**, *ACM Transactions on Knowledge Discovery from Data*
- **Guest Editor**, *A Special Issue on Music Data Mining with IEEE Transactions on Multimedia*
- **Guest Editor**, *A Special Issue on Temporal Data Mining with DMKD(Data Mining and Knowledge Discovery) Journal*
- **Guest Editor**, *A Special Issue on Data Mining using Matrices and Graphs with DMKD(Data Mining and Knowledge Discovery) Journal*

2. Conference and Workshop Organizations:

- **Local Arrangement Chair**, *The Twelfth International Conference on Machine Learning and Applications (ICMLA 2013)*
- **Local Arrangement Chair** *2nd ACM SIGHIT International Health Informatics Symposium (ACM IHI 2012)*

- **Session Co-chair** *The ninth International Conference on Machine Learning and Applications(ICMLA10)*
- **Finance Chair** *The 12th International Society for Music Information Retrieval Conference (ISMIR 2011)*
- **Workshop Co-Chair**, *ICDM 2011 Workshop on Optimization-based Methods for Emerging Data Mining Problems*
- **Workshop Co-Chair**, *ICDM 2010 Workshop on Optimization-based Methods for Emerging Data Mining Problems*
- **Workshop Co-Chair**, *Workshop on Recommender System with The 5th International Conference on Computer Science & Education (ICCSE'10)*
- **Workshop Co-Chair**, *ICDM 2009 Workshop on Optimization-based Methods for Emerging Data Mining Problems*
- **Workshop Co-Chair**, *KDD 2009 Workshop on Data Mining using Matrices and Tensors*
- **Workshop Co-Chair**, *KDD 2008 Workshop on Data Mining using Matrices and Tensors*
- **Program Co-Chair**, *The Sixth International Conference on Machine Learning and Applications(ICMLA07)*
- **Conference Chair**, *The Fifth International Conference on Machine Learning and Applications(ICMLA06)*
- **Workshop Co-Chair**, *KDD 2006 Workshop on Theory and Practice of Temporal Data Mining*
- **Workshop Co-Chair**, *ICDM 2005 Workshop on Temporal Data Mining: Algorithms, Theory and Applications*

- **Workshop Co-Chair**, *ICDM 2004 Workshop on Temporal Data Mining: Algorithms, Theory and Applications*
- **Publicity Co-Chair**, *The Fourth International Conference on Advanced Data Mining and Applications (ADMA08)*
- **Local Arrangement Chair**, *The 2009 IEEE International Conference on Data Mining (ICDM 2009)*
- **Local Arrangement Chair**, *The Eighth International Conference on Machine Learning and Applications (ICMLA 2009)*

3. Technical Program Committees:

- *The 25th IEEE International Conference on Tools with Artificial Intelligence (IC-TAI 2013)*
- *The 2013 IEEE International Conference on Data Mining (ICDM 2013)*
- *The 36th ACM SIGIR International Conference on Research and Development in Information Retrieval (SIGIR 2013)*
- *The 51st Annual Meeting of the Association for Computational Linguistics (ACL 2013)*
- *2013 SIAM International Conference on Data Mining (SDM 2013)*
- *The 12th IEEE International Conference on Data Mining (ICDM 2012)*
- *The 29th IEEE International Conference on Data Engineering (ICDE 2013)*
- *The 25th International FLAIRS Conference (FLAIRS' 25)*
- *The 16th Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD 2012)*
- *The 3rd Asian Conference on Machine Learning (ACML 2011)*

- *The 7th International Conference on Advanced Data Mining and Applications (ADMA 2011)*
- *The 21st ACM International Conference on Information and Knowledge Management (CIKM 2012)*
- *2012 SIAM International Conference on Data Mining (SDM 2012)*
- *The 2012 International Conference on Advances in Social Network Analysis and Mining (ASONAM 2012)*
- *International Conference on Machine Learning and Data Mining (MLDM 2012)*
- *The European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (ECML/PKDD 2011)*
- *The 20th ACM International Conference on Information and Knowledge Management (CIKM 2011)*
- *2011 1st IEEE International Conference on Spatial Data Mining and Geographical Knowledge Services (ICS DM 2011)*
- *The Twenty-Third International Conference on Software Engineering and Knowledge Engineering (SEKE 2011)*
- *The Tenth International Conference on Machine Learning and Applications (ICMLA 2011)*
- *The 23rd IEEE Int'l Conference on Tools with Artificial Intelligence (ICTAI 2011)*
- *The 6th International Conference on Computer Science & Education (ICCSE'11)*
- *The 12th International Conference on Web-Age Information Management (WAIM 2011)*
- *The 2011 IEEE / WIC / ACM International Conference on Web Intelligence (WI 2011)*

- *The 49th Annual Meeting of the Association for Computational Linguistics: Human Language Technologies (ACL/HLT 2011)*
- *The 20th International World Wide Web Conference (WWW 2011)*
- *2011 SIAM International Conference on Data Mining (SDM 2011)*
- *The 2011 International Conference on Advances in Social Network Analysis and Mining (ASONAM 2011)*
- *International Conference on Machine Learning and Data Mining (MLDM 2011)*
- *The 24th International FLAIRS Conference (FLAIRS' 24)*
- *The 15th Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD 2011)*
- *The 2nd Asian Conference on Machine Learning (ACML 2010)*
- *The 5th International Conference on Computer Science & Education (ICCSE'10)*
- *The 19th ACM International Conference on Information and Knowledge Management (CIKM 2010)*
- *The 11th International Conference on Web-Age Information Management (WAIM 2010)*
- *The 2010 IEEE International Conference on Granular Computing (GrC 2010)*
- *International Workshop on Topic Feature Discovery and Opinion Mining (TF-DOM 2010)*
- *The 10th IEEE International Conference on Data Mining (ICDM 2010)*
- *The Ninth International Conference on Machine Learning and Applications (ICMLA 2010)*
- *The 22nd International Conference on Software Engineering and Knowledge Engineering (SEKE 2010)*

- *The 2010 International Conference on Advances in Social Networks Analysis and Mining (ASONAM 2010)*
- *ACM Fourth International Workshop on Data and Text Mining in Biomedical Informatics (DTMBIO'10)*
- *IEEE Symposium on Foundations and Practices of Data Mining (FPDM2010)*
- *MultiCust: 1st International Workshop on Discovering, Summarizing and Using Multiple Clusterings*
- *The 2010 International Conference on Database Theory and Application (DTA 2010)*
- *The 9th Mexican International Conference on Artificial Intelligence (MICA I 2010)*
- *Workshop on Dynamic Networks and Knowledge Discovery (DyNak 2010)*
- *The 33rd ACM SIGIR International Conference on Research and Development in Information Retrieval (SIGIR 2010)*
- *The Second International Symposium on Data, Privacy, & E-Commerce (ISDPE 2010)*
- *The 14th Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD 2010)*
- *The 26th IEEE International Conference on Data Engineering (ICDE 2010)*
- *Data Mining track of the 8th Mexican International Conference on Artificial Intelligence (MICA I 2009)*
- *The Eighth International Conference on Machine Learning and Applications (ICMLA'09)*
- *The 21st IEEE Int'l Conference on Tools with Artificial Intelligence (ICTAI 2009)*

- *The 23rd International FLAIRS Conference (FLAIRS-23)*
- *International Conference on Knowledge Discovery and Information Retrieval (KDIR2009)*
- *The 24th International Symposium on Computer and Information Sciences (IS-CIS 2009)*
- *The Eleventh International Conference on Software Engineering and Knowledge Engineering (SEKE 2009)*
- *The European Conference on Data Mining (ECDM'09)*
- *The 2009 IEEE International Conference on Data Mining (ICDM 2009)*
- *The 32nd ACM SIGIR International Conference on Research and Development in Information Retrieval (SIGIR 2009)*
- *The 15th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (SIGKDD 2009)*
- *The 2009 SIAM International Conference on Data Mining 2009 (SDM 2009)*
- *The 1st Asian Conference on Machine Learning (ACML'09)*
- *The 13th Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD 2009)*
- *2009 International Symposium on Database Theory and Application (DTA'09)*
- *International Conference on Machine Learning and Data Mining (MLDM'2009)*
- *2009 ACM Third International Workshop on Data and Text Mining in Bioinformatics*
- *The Joint International Conferences on Asia-Pacific Web Conference (APWeb) and Web-Age Information Management (WAIM) (APWeb-WAIM 2009)*

- *The 2009 IEEE / WIC / ACM International Conference on Web Intelligence (WI 2009)*
- *The 2009 IEEE International Conference on Bioinformatics and Biomedicine (BIBM 2009)*
- *The 2009 IEEE International Conference on Granular Computing (GrC 2009).*
- *The 22nd International FLAIRS Conference (FLAIRS-22)*
- *The 2008 IEEE International Conference on Data Mining (ICDM 2008)*
- *The 2nd CIKM workshop of Data and Text Mining Methods in Bioinformatics (DTMbio)*
- *The 20th IEEE Int'l Conference on Tools with Artificial Intelligence (ICTAI 2008)*
- *The Seventh International Conference on Machine Learning and Applications (ICMLA'08)*
- *The 2008 IEEE International Conference on Bioinformatics and Biomedicine (BIBM 2008)*
- *The 5th International Conference on Fuzzy Systems and Knowledge Discovery (FSKD 2008)*
- *The European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (ECML/PKDD 2008)*
- *The 2008 IEEE / WIC / ACM International Conference on Web Intelligence (WI 2008)*
- *The 31st ACM SIGIR International Conference on Research and Development in Information Retrieval (SIGIR 2008)*
- *The 14th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (KDD 2008)*

- *The 21st International FLAIRS Conference (FLAIRS-21)*
- *The 2008 SIAM International Conference on Data Mining (SDM 2008)*
- *The 12th Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD 2008)*
- *The Tenth International Conference on Software Engineering and Knowledge Engineering (SEKE 2008)*
- *The 2007 IEEE International Conference on Granular Computing (IEEE GrC 2007)*
- *The 2007 IEEE International Conference on Bioinformatics and Biomedicine (BIBM 2007)*
- *The 2007 IEEE/WIC/ACM International Conference on Web Intelligence (WI-07)*
- *The 19th IEEE International Conference on Tools with Artificial Intelligence (IC-TAI 2007)*
- *The Second International Workshop on Data and Text Mining in Bioinformatics (TDMBio) in conjunction with ACM CIKM 2007*
- *Mining and Management of Biological Data (MMBD) in conjunction with IEEE ICDM 2007*
- *KDD 2007 Workshop on Mining Multiple Information Sources in conjunction with SIGKDD 2007*
- *The Thirteenth ACM SIGKDD International Conference on Knowledge Discovery and Data Mining(SIGKDD 2007)*
- *The Fourth IEEE International Conference on Autonomic Computing (ICAC 2007)*

- *The 2007 SIAM International Conference on Data Mining 2007 (SDM 2007)*
- *The 11th Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD 2007)*
- *The 2007 International Workshop on High Performance Data Mining and Applications (HPMDA '07)*
- *The Nineteenth International Conference on Software Engineering and Knowledge Engineering (SEKE 2007)*
- *the 4th International Conference on Fuzzy Systems and Knowledge Discovery (FSKD 2007)*
- *Workshop on Text Data Mining and Management (TDMM) In conjunction with 23rd IEEE ICDE Conference*
- *International Conference on Machine Learning and Data Mining (MLDM2007)*
- *The 20th International FLAIRS Conference (FLAIRS-20)*
- *IEEE Symposium on Computational Intelligence and Data Mining (CIDM 2007)*
- *The 2006 International Conference on Data Mining (ICDM 2006)*
- *The 18th IEEE International Conference on Tools with Artificial Intelligence (IC-TAI 2006)*
- *The 2006 IEEE/WIC/ACM International Conference on Web Intelligence (WI-06)*
- *The Twelfth ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (KDD2006)*
- *The 2006 IEEE International Conference on Multimedia & Expo (ICME 2006)*
- *2006 Workshop on Spatial Data Mining: Consolidation and Renewed Bearing*

- *SIAM International Conference on Data Mining 2006 (SDM 2006)*
- *The 10th Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD 2006)*
- *The First International Conference on Scalable Information Systems (INFOSCALE)*
- *The 44th ACM Southeast Conference (ACMSE 2006)*
- *The 2005 IEEE/WIC/ACM International Conference on Web Intelligence (WI 2005)*
- *The 28th Annual International ACM SIGIR Conference on Research and Development in Information Retrieval(SIGIR 2005)*
- *The Fourteenth ACM Conference on Information and Knowledge Management (CIKM 2005)*
- *The Thirteenth ACM Conference on Information and Knowledge Management (CIKM 2004)*

4. **Journal Referee:** Served as an ad hoc referee for the following journals:

- *ACM Transactions on Autonomous and Adaptive Systems*
- *Applied Intelligence*
- *ACM Transactions on Information Systems*
- *ACM Transactions on Intelligent Systems and Technology*
- *ACM Transactions on Knowledge Discovery from Data*
- *Bioinformatics*
- *Computational Intelligence*
- *Computational Statistics and Data Analysis*

- *Computer Music Journal*
- *Data and Knowledge Engineering*
- *Data Mining and Knowledge Discovery*
- *Distributed and Parallel Databases*
- *Engineering Applications of Artificial Intelligence*
- *EURASIP Journal on Advances in Signal Processing*
- *Knowledge and Information Systems*
- *Knowledge-based Systems*
- *IEEE Intelligent Systems*
- *IEEE Transactions on Audio, Speech, and Language Processing*
- *IEEE Transactions on Circuits and Systems for Video Technology (TCSVT)*
- *IEEE Transactions on Computers*
- *IEEE Transactions on Dependable and Secure Computing*
- *IEEE Transactions on Knowledge and Data Engineering*
- *IEEE Transactions on Multimedia*
- *IEEE Transactions on Neural Network*
- *IEEE Transactions on Pattern Analysis and Machine Intelligence*
- *IEEE Transactions on Systems, Man and Cybernetics*
- *Information Processing and Management*
- *Image and Vision Computing Journal*
- *Information Sciences*
- *Information Systems*

- *International Journal of Computational Intelligence Systems*
- *International Journal of Computers and Their Applications*
- *International Journal of Pattern Recognition and Artificial Intelligence*
- *Journal of Classification*
- *Journal of Combinatorial Optimization*
- *Journal of Computational Biology*
- *Journal of Machine Learning Research*
- *Journal of Systems and Software*
- *Machine Learning Journal*
- *Neural Processing Letters*
- *Neurocomputing*
- *Pattern Recognition Letters*
- *Signal Processing*
- *Soft Computing*
- *Statistical Analysis and Data Mining*
- *Theoretical Computer Science*
- *VLDB Journal*

5. **Book Review:** Reviewed book proposals or proofread book drafts for the following publishers:

- *Chapman and Hall/CRC Press, Pearson, Springer, Wiley.*

6. **Grant Proposal Review:**

Ad hoc reviewer/panelist for: National Science Foundation (NSF), The Kentucky Science and Engineering Foundation, Qatar Science Foundation, The Research Grants Council (RGC) of Hong Kong, Fondecyt of Chile.

7. Other Activities:

- Mentor for 32th Annual International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR 2009)
- Mentor for 30th Annual International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR 2007)
- Reviewer for The Eighteenth International Conference on Software Engineering and Knowledge Engineering (SEKE 2006)
- Session Chair at The Thirteenth ACM Conference on Information and Knowledge Management (CIKM 2004)
- Reviewer for International Conference on Bioinformatics and its Applications (ICBA'04)
- Reviewer for The 2002 International Conference on Data Mining (ICDM 2002)

TEACHING AND SERVICE

COURSE PROPOSALS

I developed/revised the following course proposals. I first introduced the *Principles of Data Mining* course at FIU in Fall 2004, the *Advanced Data Mining* course at FIU in Spring 2007, the *Introduction to Data Mining* course at FIU in Fall 2007, and the *Introduction to Machine Learning* course at FIU in Spring 2008.

COP4990 Introduction to Data Mining

COP5577 Principles of Data Mining,

CAP5610 Introduction to Machine Learning

CAP6778 Advanced Data Mining

COURSES TAUGHT AFTER 2009

Fall 2009 COT5407: Introduction to Algorithms
Fall 2009 COP5577: Principles of Data Mining
Fall 2010 CAP4770: Introduction to Data Mining
Fall 2010 COP5577: Principles of Data Mining
Spring 2011 CAP5610: Introduction to Machine Learning
Fall 2011 CAP5771: Principles of Data Mining
Fall 2011 COP5725: Principles of Database Management Systems
Fall 2012 COP5725: Principles of Database Management Systems
Fall 2012 CAP4770: Introduction to Data Mining
Spring 2013 COP6726: Advanced Database Systems
Spring 2013 CAP5771: Principles of Data Mining
Spring 2013 COP5725: Principles of Database Management Systems
Fall 2013 CAP4770: Introduction to Data Mining
Fall 2013 COP5725: Principles of Database Management Systems

COURSES TAUGHT BEFORE 2009

Fall 2004 COP5592: Principles of Data Mining
Spring 2005 COP4540: Database Management
Fall 2005 COP5577: Principles of Data Mining
Spring 2006 COP4540: Database Management
Spring 2006 COP3530: Data Structure
Fall 2006 COT5407: Introduction to Algorithms
Fall 2006 COP3530: Data Structure
Spring 2007 CAP6778: Advanced Data Mining
Spring 2007 COP4540: Database Management
Fall 2007 COP5577: Principles of Data Mining
Fall 2007 COP4990: Introduction to Data Mining
Spring 2008 CAP5610: Introduction to Machine Learning
Fall 2008 COP4990: Introduction to Data Mining
Fall 2008 COP5577: Principles of Data Mining

TEACHING EVALUATION

My average ratings are summarized below:

Year 2004-2005 3.86/5.00
Year 2005-2006 4.44/5.00
Year 2006-2007 4.66/5.00
Year 2007-2008 4.84/5.00
Year 2008-2009 4.81/5.00
Year 2009-2010 4.57/5.00
Year 2010-2011 4.80/5.00
Year 2011-2012 4.64/5.00

GRADUATE ADVISING

Quick Summary: So far, I have graduated five Ph.D. students: David Kaiser (defended in Fall 2007, currently the director of institutional research at Miami-Dade College), Wei Peng (defended in March 2008, currently a research scientist at Xerox Research Center), Dingding Wang (defended in September 2010, currently a research fellow at University of Miami), Bo Shao (defended in March 2011, currently a database administrator at Florida Department of Transportation), Yi Zhang (defended in May 2011, currently a software engineer at Expedia Inc.). I also supervised the Ph.D. dissertation of Dr. Yanfang Ye (defended in July 2010 at Xiamen University, currently a principal scientist at Beijing Comodo Software Development Co. Ltd). Dr. Yanfang Ye has just received a tenure-track assistant professor offer from Department of Computer Science and Electrical Engineering at West Virginia University in April 2013. 13 students are in the pipeline (Joseph Cilli, Amanda Crick, Hongtai Li, Jingxuan Li, Liang Tang, Lei Li, Chao Shen, Yexi Jiang, Wei Xue, Longhui Zhang, Chunqiu Zeng, Li Zheng, Wubai Zhou). My students have won the best graduate student research award in 2006, 2008, 2009, 2010, 2011, & 2012 (six out of the last seven), an honor given to the top graduate student at SCIS who has done outstanding research during the corresponding academic year.

• Visiting Researcher

1. Lin Yuan (November 2010 - November 2011)
 - Supported by China Scholarship Council
 - Associate Professor, Northwestern Polytechnical University, Xi'an, Shaan Xi, P.R. China.
2. Huaqin Lin (April 2013 - April 2014)
 - Supported by Xiamen University

– Associate Professor, Xiamen University, Xiamen, Fujian, P.R. China.

• **Postdoc Advisee**

1. Fei Wang (Fall 2008 - Summer 2009)
 - Ph.D. from Tsinghua University , 2008

• **Ph.D. Advisees**

1. Joseph Cilli (Expected defense: Summer 2013)
2. Amanda Crick (Expected defense: Summer 2014)
3. David Kaiser (Ph.D., Dec. 2007)
 - Dissertation title: The Structure of Games
 - Current Employment: Director of Institutional Research, Miami-Dade College
 - Second Place, AAAI-04 General Game Playing Competition
 - Fourth Place, AAAI-05 General Game Playing Competition
4. Jingxuan Li (Expected defense: Fall 2013)
 - Summer Research Intern at Xerox Research Center, 2012
 - FIU Dissertation Year Fellowship, 2013
5. Hongtai Li (Expected Defense: Summer 2017)
6. Lei Li (Expected defense: Summer 2014)
 - FIU Presidential Fellowship 2009-2012
 - Summer Research Intern at Xerox Research Center, 2011
 - ACM Recsys 2011 Student Travel Award, 2011.
 - Summer Research Intern at Xerox Research Center, 2012

- The Best Graduate Student Research Award, School of Computer Science, Florida International University (2012)
 - The first place in technical poster presentation competition, Florida International University Graduate Student Association Scholarly Forum, 2013
 - Summer Research Intern at Samsung Research America, 2013
7. Yexi Jiang (Expected defense: Summer 2015)
- Summer Research Intern at IBM Research Center, 2011
 - Summer Research Intern at IBM Research Center, 2012
 - Summer Research Intern at IBM Research Center, 2013
8. Wei Peng (Ph.D., April 2008)
- Dissertation title: Actionable Pattern Analysis in Computing and BI Systems
 - Current Employment: Research Scientist, Xerox Research
 - Outstanding PhD Graduate, College of Engineering and Computing, Florida International University (2008)
 - The Best Graduate Student Research Award, School of Computer Science, Florida International University (2006)
 - Excellence Award, School of Computer Science, 2006-07
 - Summer Research Intern at Xerox Research, 2006
 - Summer Research Intern at Xerox Research, 2007
 - FIU Presidential Fellowship 2003-2005
9. Bo Shao (Ph.D., March 2011)
- Dissertation title: User-centric Music Information Retrieval
 - Current Employment: Software Engineer and Database Administrator, Florida Department of Transportation

- Summer Research Intern at IBM Almaden Research Center, 2006
 - Summer Intern at IBM Autonomic Computing, 2007
10. Chao Shen (Expected defense: Summer 2014)
- The first place in technical poster presentation competition, 2011 Florida International University Graduate Student Association Scholarly Forum
 - Summer Research Intern at DOE PNNL Lab, 2011
 - Summer Research Intern at Bosch Research, 2012
 - Summer Research Intern at Bosch Research, 2013
11. Liang Tang (Expected defense: Summer 2014)
- Summer Research Intern at IBM T. J. Watson Research Center, 2011
 - Summer Research Intern at IBM T. J. Watson Research Center, 2012
 - ACM SIGKDD 2012 Student Travel Award, 2012
 - Data Scientist Intern at LinkedIn, 2013
12. Dingding Wang (Ph.D., September 2010)
- Dissertation title: Document Understanding Using Data Mining and Machine Learning Techniques
 - Current Employment: Research Fellow, Center for Computational Science, University of Miami
 - The Best Graduate Student Research Award, School of Computer Science, Florida International University (2010)
 - Dissertation Year Fellowship, 2010
 - Summer Research Intern at NEC Research, 2009
 - Summer Research Intern at NEC Research, 2008

- The Best Graduate Student Research Award, School of Computer Science, Florida International University (2008)
 - Summer Research Intern at NEC Research, 2007
13. Yi Zhang (Ph.D. Defended: Summer 2011)
- Dissertation title: Visualization in Data Mining
 - Current Employment: Software Engineer, Expedia, Inc.
 - The Best Graduate Student Research Award, School of Computer Science, Florida International University (2009)
 - Dissertation Year Fellowship, 2011
14. Li Zheng (Expected Defense: Summer 2013)
- The first place in technical oral presentation competition, 2011 Florida International University Graduate Student Association Scholarly Forum
 - The Best Graduate Student Research Award, School of Computer Science, Florida International University (2011)
 - The Best Graduate Student Overall Achievement Award, School of Computer Science, Florida International University (2012)
15. Wei Xue (Expected Defense: Summer 2016)
16. Yanfang Ye(Ph.D. Defended: Summer 2010 at Xiamen University)
- Dissertation title: Research on Intelligent Malware Detection Methods and their Applications
 - Principal Scientist, Beijing Comodo Software Development Co. Ltd
 - ACM SIGKDD 2010 Student Travel Award, 2010
17. Longhui Zhang (Expected Defense: Summer 2016)
18. Chunqiu Zeng (Expected Defense: Summer 2016)

– Summer Research Intern at IBM Research Center, 2013

19. Wubai Zhou (Expected Defense: Summer 2017)

• **Visiting Ph.D. Students**

1. Fei Wang (June 2007 - July 2007)

– Department of Automation, Tsinghua University, P. R. China

2. Zhongyuan Zhang (November 2007 - December 2007)

– Institute of Mathematics and System Science, Chinese Academy of Sciences,
P. R. China

3. Wenting Lu (August 2010 - March 2012)

– Supported by China Scholarship Council

– School of Information and Communication, Beijing University of Posts and
Telecommunications, P. R. China

• **Visiting Undergraduate Students**

1. Jader Bruno Pereira Lima (November 2012 - February 2013)

– University of Sao Paulo, Brazil

• **Ph.D. Thesis Committee**

– Chengyong Yang (Ph.D., Summer 2006)

– Andres Parra (Ph.D., Fall 2009)

– Erliang Zeng (Ph.D., Summer 2008)

– Ramakrishna Varadarajan (Ph.D., Spring 2009)

– Oscar Valdivia (Expected defense: Fall 2010)

- Zhongping Zhai (Expected defense: Spring 2010)
- Ting Li (Expected defense: Fall 2012)
- Li Tang (Expected defense: Fall 2013)
- Melita Jaric (Expected defense: Fall 2012)
- Sajib Kundu (Expected defense: Fall 2012)
- Ugan Yasavur (Expected defense: Fall 2014)
- Reza Amini (Expected defense: Fall 2014)

- **Master Thesis Committee**

- Yichen Xu (Master of Industrial Engineering, 2006)
- Qingyun Liu (Master of Statistics, 2011)

- **Ph.D. Qualifying Committee**

- Irene Polycarpou (Fall 2004)
- Jose Cartaya (Spring 2005)
- Xiaosi Zhou (Spring 2005)
- Wei Peng (Fall 2005)
- Erliang Zeng (Fall 2005)
- Haifeng Wang (Spring 2006)
- Ramakrishna Varadarajan (Fall 2006)
- Jing Zhang (Fall 2006)
- Khalid Saleem (Fall 2006)
- Bo Shao (Spring 2007)

- Khalid Saleem (Spring 2007)
- Dingding Wang (Fall 2007)
- Oscar Valdivia (Spring 2008)
- Michael Robinson (Fall 2008)
- Michael Armella (Fall 2009)
- Guangqiang Zhao (Fall 2009)
- Eduardo Ruiz (Spring 2010)
- Li Zheng (Fall 2010)
- Jingxuan Li (Fall 2010)
- Lei Li (Spring 2011)
- Yun Lu (Spring 2011)
- Hsin-Yu Ha (Spring 2011)
- Yimin Yang (Fall 2011)
- Liang Tang (Fall 2011)
- Chao Shen (Fall 2011)
- Amanda Crick (Fall 2011)
- Reza Amini (Spring 2012)
- Yexi Jiang (Fall 2012)
- Ugan Yasavur (Fall 2012)
- Michael Robinson (Fall 2012)

• **Independent Study**

- Xiaoli Liang (Summer 2006)
- Jing Zhang (Fall 2006)

UNDERGRADUATE ADVISING

- **Undergraduate Independent Research Supervision** Didier Garcia (Spring '06, Fall' 06), Ruskin Miller (Summer '08, Fall '08), Jesse Domack (Fall'10, Spring'11, Fall'11, Spring'12, Summer'12, Fall'12), Yahya Benhadda (Fall'11, Spring'12, Summer'12, Fall'12)

DEPARTMENTAL COMMITTEE WORK

2004-2005 Equipment Committee
2006-2007 Annual Award Committee
2005-2006 Faculty Recruiting Committee
2006-2007 Research Colloquium Coordinator
2006-2007 Graduate Committee
2007-2008 Faculty Search Committee
2008-2009 Graduate Committee
2008-2009 Faculty Search Committee
2009-2010 Faculty Search Committee
2010-2011 Graduate Committee
2010-2011 Faculty Search Committee (Chair)
2010-2011 Annual Award Committee
2011-2012 Faculty Search Committee (Chair)
2011-2012 Graduate Committee
2012-2013 Faculty Search Committee

SERVICE TO THE UNIVERSITY COMMUNITY

2005-Current Faculty Advisor at Honor College

2009-Current Member of the Dissertation Advisor Status Evaluation Committee

2009-2011 Alternate Rep of SCIS for Faculty Council

2012-Current Rep of SCIS for Faculty Council