

CURRICULUM VITAE

Ruixuan Li

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EDUCATION

- Ph.D. in Computer Science, Huazhong University of Science and Technology, 2004
Dissertation: Query Processing and Optimization in Heterogeneous Information Integration
- M.S. in Computer Science, Huazhong University of Science and Technology, 2000
Thesis: Query Processing in Multidatabase Systems
- B.S. in Computer Science, Huazhong University of Science and Technology, 1997
Thesis: Design and Implementation of Local Agent in Multidatabase Transaction Model

RESEARCH INTERESTS

◆ Big Data Management and Analysis

- Big data mining and semantic link analysis
- Big data storage, management and analysis
- Hardware acceleration for big data processing
- High performance web information retrieval

◆ Cloud and Distributed Computing

- Architecture and algorithm optimization in cloud computing
- Distributed and parallel processing in cloud computing
- Distributed data management in cloud computing
- Cloud computing on emerging hardware devices

◆ Distributed System Security

- Security analysis in mobile systems and applications
- Secure search over encrypted cloud data
- Role engineering in access control
- Distributed access control in multi-domains
- Security policy optimization in distributed systems
- Risk assessment in distributed systems

POSITIONS OR APPOINTMENTS

- **Nov, 2010 – present**
Professor, School of Computer Science and Technology, Huazhong University of Science and Technology, China

- **Nov, 2008 – present**
Director, Intelligent and Distributed Computing Laboratory, Huazhong University of Science and Technology, China
- **Jun, 2010 – present**
Adjunct Professor, Concordia Institute for Information Systems Engineering, Concordia University, Canada
- **Jun, 2009 – Oct, 2010**
Visiting Researcher, Department of Electrical and Computer Engineering, University of Toronto, Canada
- **Oct, 2006 – Sep, 2009**
Adjunct Senior Fellow, School of Computing and Mathematics, University of Western Sydney, Australia
- **Jul, 2005 – Aug, 2005**
Visiting Professor, School of Computing and Mathematics, University of Western Sydney, Australia
- **Nov, 2004 – Oct, 2010**
Associate Professor, School of Computer Science and Technology, Huazhong University of Science and Technology, China
- **Jul, 2000 – Oct, 2004**
Assistant Professor, School of Computer Science and Technology, Huazhong University of Science and Technology, China

RESEARCH GRANTS AND FUNDING

◆ Grants Held as Principal Investigator

- Secure Service Mashup and Optimization in Cloud Computing Environments. Supported by National Natural Science Foundation of China (NSFC), Jan 2012 - Dec 2015
- Security Policy Optimization Model in Multi-Domains Based on Multiple Criteria Decision Making. Supported by National Natural Science Foundation of China (NSFC), Jan 2009 - Dec 2011
- Encrypted Full Text Retrieval Middleware. Supported by Electronic Information Industry Development Fund of China, Jan 2008 - Dec 2010
- Key Technologies of Distributed Ciphertext Information Retrieval System. Supported by National High Technology Research and Development Program of China (863 Program) under grant 2007AA01Z403, Jul 2007 - Dec 2009
- Percolation-Based Topology Control and Search in Peer-to-Peer Network. Supported by National Natural Science Foundation of China (NSFC) under grant 60773191, Jan 2008 - Dec 2008
- Risk Evaluation Model for Information Exchange Based on Multiple Autonomous Domains. Supported by National Natural Science Foundation of China (NSFC) under Grant 60403027, Jan 2005 - Dec 2007
- Scale-Free Network Model in Semantic Overlay Network. Supported by Chenguang Program of Wuhan Municipality, Jan 2009 - Dec 2010
- Risk Assessment Model of Information Sharing across Distributed and Heterogeneous Multi-Domains. Supported by Natural Science Foundation of Hubei Province (NSF-HB) under Grant 2005ABA258, Jan 2006 - Dec 2007
- Policy-based Secure Interoperability among Multi-Domains. Supported by Open Foundation of State Key Laboratory of Software Engineering under Grant SKLSE05-07, Jan 2006 - Dec 2007
- Single Sign-On System in Multi-Domain Environment. Supported by East Lake Software Corp, Jan 2006 - Dec 2006

- A Security Middleware for Distributed and Heterogeneous Information Management. Supported by Andin Information Technology Corp, Aug 2002 - Dec 2003
- A Security Prototype for Distributed and Heterogeneous Information Management. Supported by Beijing Institute of Electronic Technology, Apr 2002 - Dec 2003

◆ Grants Held as Co-Principal Investigator

- Key Technologies of Encrypted Full Text Retrieval. Supported by National Cryptogram Development Fund of China, Jul 2006 - Jun 2009
- Secure Search Engine Based on Access Control. Supported by Software Development Fund of Hubei Province, Jul 2006 - Dec 2008
- Distributed and Heterogeneous Information Secure Exchange System. Supported by National Key Technologies R&D Program under Grant 2002BA103A04, Jan 2003 - Dec 2004
- Distributed and Heterogeneous Information Integration with Security Policies. Supported by Electronic Information Industry Development Fund of China, Jan 2002 - Dec 2003
- Panorama 2003: A Multidatabase Prototype System Based on XML. Supported by North China Institute of Computing Technology, Jan 2001 - Dec 2003
- Panorama 2000: A Multidatabase Prototype System. Cooperative project with North China Institute of Computing Technology, Sep 1998 - Dec 2000
- DataCap: Data Capturing among Distributed and Heterogeneous Data Sources. Supported by National High Performance Computing Fund under Grant 99319, Jan 1999 - Dec 2000

PUBLICATIONS

◆ Books

1. **Ruixuan Li**, Zhengding Lu. Principles and Techniques of Multidatabase Systems. Beijing: Publishing House of Electronics Industry, 2005 (Chinese)
2. **Ruixuan Li**, Manhong Yang, Jun Wang. Introduction to Oracle Developer 2000. Beijing: Peking University Press, 2000 (Chinese)

◆ Edited Books/Proceedings

1. **Ruixuan Li**, Jiannong Cao, Julien Bourgeois. Advances in Grid and Pervasive Computing - The 7th International Conference on GPC 2012 Proceedings, LNCS 7296, Springer, Hong Kong, China, May 11-13, 2012
2. Baowen Xu, Xiaofeng Meng, Zhiguang Shan, Nan Yang, **Ruixuan Li**, Lei Xu. Web Information System Techniques and Applications. Beijing: Tsinghua University Press, 2007 (Chinese)

◆ Refereed Journal Papers

1. Dongsheng Duan, Yuhua Li, **Ruixuan Li**, Rui Zhang, Xiwu Gu and Kunmei Wen. LIMTopic: A Framework of Incorporating Link based Importance into Topic Modeling. IEEE Transactions on Knowledge and Data Engineering, 2014, 26(10): 2493-2506
2. Heng He, **Ruixuan Li**, Xinhua Dong, Zhao Zhang. Secure, Efficient and Fine-grained Data Access Control Mechanism for P2P Storage Cloud. IEEE Transactions on Cloud Computing, 2014, 2(4): 471-484
3. Hongmu Han, **Ruixuan Li**, Xiwu Gu. Identifying Malicious Android Apps Using Permissions and System Events. International Journal of Embedded Systems, Inderscience, 2015
4. Wei Ye, **Ruixuan Li**, Xiwu Gu, Yuhua Li, Kunmei Wen. Role Mining Using Answer Set Programming. Future Generation Computer Systems, Elsevier, 2015

5. Xiaopu Ma, **Ruixuan Li**, Hongwei Wang, Huaqing Li. Role Mining Based on Permission Cardinality Constraint and User Cardinality Constraint. *Security and Communication Networks*, Wiley, 2015
6. Shuoyi Zhao, **Ruixuan Li**, Wenlong Tian, Weijun Xiao, Xinhua Dong, Dongjie Liao, Samee U. Khan, Keqin Li. Divide-and-Conquer Approach for Solving Singular Value Decomposition based on MapReduce. *Concurrency and Computation: Practice and Experience*, Wiley, 2015
7. **Ruixuan Li**, Zhiyong Xu, Wanshang Kang, Kin Choong Yow, Cheng-Zhong Xu. Efficient Multi-keyword Ranked Query over Encrypted Data in Cloud Computing. *Future Generation Computer Systems*, Elsevier, 2014, 30(1): 179-190
8. Heng He, **Ruixuan Li**, Zhiyong Xu, Weijun Xiao. An Efficient ECC-Based Mechanism for Securing Network Coding-Based P2P Content Distribution. *Peer-to-Peer Networking and Applications*, Springer, 2014, 7(4): 572-589
9. Liang Huang, **Ruixuan Li**, Hong Chen, Xiwu Gu, KunmeiWen, Yuhua Li. Detecting Network Communities Using Regularized Spectral Clustering Algorithm. *Artificial Intelligence Review*, Springer, 2014, 41(4): 579-594
10. Yuhua Li, Aiming Wen, Quan Lin, **Ruixuan Li**, Zhengding Lu. Name disambiguation in scientific cooperation network by exploiting user feedback. *Artificial Intelligence Review*, Springer, 2014, 41(4): 563-578
11. Guoqiang Gao, **Ruixuan Li**, Heng He, Zhiyong Xu. Distributed Caching in Unstructured Peer-to-Peer File Sharing Networks. *Computers and Electrical Engineering*, Elsevier, 2014, 40(2): 688-703
12. Kunmei Wen, **Ruixuan Li**, Jing Xia, Xiwu Gu. Optimizing ranking method using social annotations based on language model. *Artificial Intelligence Review*, Springer, 2014, 41(1): 81-96
13. Guoqiang Gao, **Ruixuan Li**, Weijun Xiao, Zhiyong Xu. Measurement study on P2P streaming systems. *The Journal of Supercomputing*, Springer, 2013, 66(3): 1656-1686
14. Dongsheng Duan, Yuhua Li, **Ruixuan Li**, Zhengding Lu, Aiming Wen. MEI: Mutual Enhanced Infinite Community–Topic Model for Analyzing Text-Augmented Social Networks. *The Computer Journal*, Oxford Journals, 2013, 56(3): 336-354
15. Kunmei Wen, Suo Tan, Jie Wang, **Ruixuan Li**, Yuan Gao. A model based transformation paradigm for cross-language collaborations. *Advanced Engineering Informatics*, Elsevier, 2013, 27(1): 27-37
16. Xinhua Dong, **Ruixuan Li**, Wanwan Zhou, Dongjie Liao, Shuoyi Zhao. Data Security and Privacy in Cloud Storage. *ZTE Communications*, 2013, 11(2): 18-23
17. Heng He, **Ruixuan Li**, Xinhua Dong, Zhi Zhang, Hongmu Han. An Efficient and Secure Cloud-Based Distributed Simulation System. *Applied mathematics & Information Sciences*, 2012, 6(3): 729-736
18. **Ruixuan Li**, Wei Wang, Xiaopu Ma, Xiwu Gu, Kunmei Wen. Mining Roles using Attributes of Permissions. *International Journal of Innovative Computing, Information and Control*, 2012, 8(11): 7909-7924
19. Guoqiang Gao, **Ruixuan Li**, Zhengding Lu. TSPN: Term-based semantic peer-to-peer networks. *Wuhan University Journal of Natural Sciences*, Springer, 2012, 17(1): 31-35
20. Dongsheng Duan, Yuhua Li, **Ruixuan Li**, Zhengding Lu. Incremental K-clique clustering in dynamic social networks. *Artificial Intelligence Review*, Springer, 2012, 38(2): 129-147
21. Jianfeng Lu, **Ruixuan Li**, Jinwei Hu, Dewu Xu. Static Enforcement of Static Separation-of-Duty Policies in Usage Control Authorization Models. *IEICE Transactions on Communications*, 2012, E95-B(5): 1508-1518

22. Kunmei Wen, Yong Zeng, **Ruixuan Li**, Jianqiang Lin. Modeling semantic information in engineering applications: a review. *Artificial Intelligence Review*, Springer, 2012, 37(2): 97-117
23. Xiaopu Ma, **Ruixuan Li**, Zhengding Lu, Wei Wang. Mining Constraints in Role-Based Access Control. *Mathematical and Computer Modelling*, Elsevier, 2012, 55(1-2): 87-96
24. Guoqiang Gao, **Ruixuan Li**, Kunmei Wen, Xiwu Gu. Proactive Replication for Rare Objects in Unstructured Peer-to-Peer Networks. *Journal of Network and Computer Applications*, Elsevier, 2012, 35(1): 85-96
25. Xiaopu Ma, **Ruixuan Li**, Zhengding Lu, Jianfeng Lu, Meng Dong. Specifying and Enforcing the Principle of Least Privilege in Role-Based Access Control. *Concurrency and Computation: Practice and Experience*, Wiley, 2011, 23(12): 1313–1331
26. Jianfeng Lu, **Ruixuan Li**, Jinwei Hu, Dewu Xu. Inconsistency Resolving of Safety and Utility in Access Control. *EURASIP Journal on Wireless Communications and Networking*, Hindawi Publishing Corporation, 2011: 101
27. Bing Li, Buqing Cao, Kunmei Wen, **Ruixuan Li**. Trustworthy Assurance of Service Interoperation in Cloud Environment. *International Journal of Automation and Computing*, 2011, 8(3): 297-308
28. Yan'an Jin, **Ruixuan Li**, Kunmei Wen, Xiwu Gu, Fei Xiao. Topic-based ranking in Folksonomy via probabilistic model. *Artificial Intelligence Review*, Springer, 2011, 36(2): 139-151
29. Jinwei Hu, **Ruixuan Li**, Zhengding Lu, Jianfeng Lu, Xiaopu Ma. RAR: A Role-and-Risk Based Flexible Framework for Secure Collaboration. *Future Generation Computer Systems*, Elsevier, 2011, 27(5): 574-586
30. **Ruixuan Li**, Wei Song, Haiying Shen, Weijun Xiao, Zhengding Lu. A Flabellate Overlay Network for Multi-attribute Search. *Journal of Parallel and Distributed Computing*, Elsevier, 2011, 71(3): 407-423
31. **Ruixuan Li**, Kunmei Wen, Xiwu Gu, Yuhua Li, Xiaolin Sun, Bing Li. Type-2 Fuzzy Description Logic. *Frontiers of Computer Science in China*, Springer, 2011, 5(2): 205-215
32. **Ruixuan Li**, Jianfeng Lu, Zhengding Lu, Xiaopu Ma. Consistency Checking of Safety and Availability in Access Control. *IEICE Transactions on Information and Systems*, 2010, E93-D(3): 491-502
33. **Ruixuan Li**, Cuihua Zuo, Haiying Shen, Kunmei Wen, Xiwu Gu. PercolationNET: a Multi-tree P2P Overlay Network Supporting High Coverage Search. *International Journal of Parallel, Emergent and Distributed Systems*, 2010, 25(1): 73-89
34. Cuihua Zuo, **Ruixuan Li**, Zhengding Lu. A Novel Approach to Improve the Security of P2P File-Sharing Systems. *International Journal of Communications, Network and System Sciences*, 2009, 2(3): 169-247
35. Zuo Cui-hua, **Li Rui-xuan**, Lu Zheng-ding. A Caching Scheme Based on Power-law Characteristic in Unstructured P2P Networks. *Journal of Southwest Jiaotong University (English Edition)*, 2009, 17(3): 1-8
36. **Ruixuan Li**, Zhuo Tang, Zhengding Lu, Jinwei Hu. Request-Driven Role Mapping Framework for Secure Interoperation in Multi-Domain Environments. *Computer Systems Science and Engineering*, 2008, 23(3): 193-207
37. Gu Xiwu, **Li Ruixuan**, Lu Zhengding. Typed Formal Model for WS-CDL Specification of Web Services Composition. *Journal of Southeast University (English Edition)*, 2008, 24(3): 300-307
38. Wen Kunmei, Lu Zhengding, **Li Ruixuan**, Sun Xiaolin. Design and Implementation of Semantic Search Engine - Smartch. *Journal of Southeast University (English Edition)*, 2007, 23(3): 317-321

39. Sun Xiaolin, Lu Zhengding, **Li Ruixuan**, Wang Zhigang, Wen Kunmei. Novel Scheme to Specify and Integrate RBAC Policy Based on Ontology. *Journal of Southeast University (English Edition)*, 2007, 23(3): 394-398
40. YAO Hanbing, HU Heping, LU Zhengding, **LI Ruixuan**. Dynamically Authorized Role-Based Access Control for Grid Applications. *Geo-spatial Information Science*, Springer, 2006, 9(3): 223-228, 233
41. **Ruixuan Li**, Zhengding Lu, Weijun Xiao, Wei Wu. XML-based Integration Data Model and Schema Mapping in Multidatabase Systems. *Journal of Systems Engineering and Electronics*, 2005, 16(2): 437-444
42. **Li Rui-xuan**, Lu Zheng-ding, Wu Wei, Xiao Wei-jun. Integrating XML with CORBA-based Multidatabase Systems. *Wuhan University Journal of Natural Sciences*, Springer, 2004, 9(5): 676-680

◆ Refereed Conference/Symposium/Workshop Papers

1. Yanchun Lu, **Ruixuan Li**, Kunmei Wen, Zhengding Lu. Automatic Keyword Extraction for Scientific Literatures Using References. 2014 International Conference on Innovative Design and Manufacturing (ICIDM 2014), Montreal, QC, Canada, August 13-15, 2014, pp. 78-81
2. Khaled M. Banafaa, **Ruixuan Li**, Kunmei Wen, Xiwu Gu, Yuhua Li. Keyword-matched Data Skyline in Peer-to-Peer Systems. The 18th International Conference on Database Systems for Advanced Applications (DASFAA 2013), Wuhan, China, April 22-25, 2013, pp. 71-85
3. **Ruixuan Li**, Huaqing Li, Wei Wang, Xiaopu Ma, Xiwu Gu. RMiner: A Tool Set for Role Mining. The 18th ACM Symposium on Access Control Models and Technologies (SACMAT 2013) (Demo), Amsterdam, The Netherlands, Jun 12-14, 2013, pp. 193-196
4. Ding Liu, **Ruixuan Li**, David J. Lilja, Weijun Xiao. A Divide-and-Conquer Approach for Solving Singular Value Decomposition on a Heterogeneous System. *ACM International Conference on Computing Frontiers (CF 2013)*, Ischia, Italy, May 14-16, 2013, pp.36
5. Wei Ye, **Ruixuan Li**, Huaqing Li. Role Mining Using Boolean Matrix Decomposition With Hierarchy. The 12th IEEE International Conference on Trust, Security and Privacy in Computing and Communications (IEEE TrustCom-13), Melbourne, Australia, 16-18 July, 2013, pp. 805-812
6. Zhiyong Xu, Wanshen Kang, **Ruixuan Li**, Yow Kin Choong, Cheng-Zhong Xu. Efficient Multi-Keyword Ranked Query on Encrypted Data in the Cloud. The 18th IEEE International Conference on Parallel and Distributed Systems (ICPADS 2012), Singapore, Dec 17-19, 2012, pp. 244-251
7. Dongsheng Duan, Yuhua Li, **Ruixuan Li**, Rui Zhang, Aiming Wen. RankTopic: Ranking Based Topic Modeling. *IEEE International Conference on Data Mining (ICDM 2012)*, Brussels, Belgium, December 10-13, 2012, pp. 211-220 (Acceptance rate: 10.7%, 81/756)
8. Zhiyong Xu, **Ruixuan Li**, Cheng-Zhong Xu. CAST: A Page-Level FTL with Compact Address Mapping and Parallel Data Blocks. The 31st IEEE International Performance Computing and Communications Conference (IPCCC 2012), Austin, Texas, USA, December 1-3, 2012, pp. 142-151
9. **Ruixuan Li**, Chengzhou Li, Weijun Xiao, Hai Jin, Heng He, Xiwu Gu, Kunmei Wen, Zhiyong Xu. An Efficient SSD-based Hybrid Storage Architecture for Large-scale Search Engines. The 41st International Conference on Parallel Processing (ICPP 2012), Pittsburgh, PA, USA, September 10-13, 2012, pp. 450-459
10. Khaled M. Banafaa, **Ruixuan Li**. Efficient Algorithms for Constrained Subspace Skyline Query in Structured Peer-to-Peer Systems. The 13th International Conference on Web-Age Information Management (WAIM 2012), Harbin, China, August 18-20, 2012, pp. 334-345

11. Weijun Xiao, Xiaoqiang Lei, **Ruixuan Li**, Nohhyun Park, David J. Lilja. PASS: A Hybrid Storage System for Performance-Synchronization Tradeoffs Using SSDs. The 10th IEEE International Symposium on Parallel and Distributed Processing with Applications (ISPA 2012), Leganés, Madrid, Spain, July 10-13, 2012, pp. 403-410
12. **Ruixuan Li**, Xuefan Chen, Chengzhou Li, Xiwu Gu, Kunmei Wen. Efficient Online Index Maintenance for SSD-based Information Retrieval Systems. The 14th IEEE International Conference on High Performance Computing and Communications (HPCC 2012), Liverpool, UK, June 25-27, 2012, pp. 262-269
13. Zhuo Tang, Junqing Zhou, Kenli Li, **Ruixuan Li**. MTSD: A Task Scheduling Algorithm for MapReduce Based on Deadline Constraints. 2012 International Workshop on High Performance Data Intensive Computing (HPDIC2012) in conjunction with IEEE IPDPS 2012, Shanghai, China, May 25, 2012, pp. 2012-2018
14. Zhuo Tang, Juan Wei, Ahmed Sallam, Kenli Li, **Ruixuan Li**. A New RBAC Based Access Control Model for Cloud Computing. The 7th International Conference on Grid and Pervasive Computing (GPC 2012), Hong Kong, 11-13 May 2012, pp: 279-288
15. Liang Huang, **Ruixuan Li**, Yuhua Li, Xiwu Gu, Kunmei Wen, Zhiyong Xu. L1-Graph Based Community Detection in Online Social Networks. The 14th Asia-Pacific Web Conference (APWeb 2012), Kunming, China, April 11-13, 2012, pp. 644-651
16. Xiwu Gu, **Ruixuan Li**, Kunmei Wen, Bei Peng, Weijun Xiao. A GPU-based Accelerator for Chinese Word Segmentation. The 14th Asia-Pacific Web Conference (APWeb 2012), Kunming, China, April 11-13, 2012, pp. 231-242
17. Ding Liu, **Ruixuan Li**, Xiwu Gu, Kunmei Wen, Heng He, Guoqiang Gao. Fast Snippet Generation Based On CPU-GPU Hybrid System. The 17th IEEE International Conference on Parallel and Distributed Systems (ICPADS 2011), Tainan, Taiwan, Dec 7-9, 2011, pp. 252-259
18. **Ruixuan Li**, Li Nie, Xiaopu Ma, Meng Dong, Wei Wang. SMEF: An Entropy-based Security Framework for Cloud-oriented Service Mashup. The 10th IEEE International Conference on Trust, Security and Privacy in Computing and Communications (TrustCom 2011), Changsha, China, November 16-18, 2011, pp. 304-311
19. Dongsheng Duan, Yuhua Li, **Ruixuan Li**, Zhengding Lu, Aiming Wen. MEI: Mutual Enhanced Infinite Generative Model for Simultaneous Community and Topic Detection. The 14th International Conference on Discovery Science (DS 2011), Espoo, Finland, October 5-7, 2011, pp. 91-106
20. Yuhua Li, Aiming Wen, Quan Lin, **Ruixuan Li**, Zhengding Lu. Incorporating User Feedback into Name Disambiguation of Scientific Cooperation Network. The 12th International Conference on Web-Age Information Management (WAIM 2011), Wuhan, China, September 14-16, 2011, pp. 454-466
21. Xiwu Gu, Xianbing Wang, **Ruixuan Li**, Kunmei Wen, Yufei Yang, Weijun Xiao. A New Vector Space Model Exploiting Semantic Correlations of Social Annotations for Web Page Clustering. The 12th International Conference on Web-Age Information Management (WAIM 2011), Wuhan, China, September 14-16, 2011, pp. 106-117
22. Xiwu Gu, Xianbing Wang, **Ruixuan Li**, Kunmei Wen, Yufei Yang, Weijun Xiao. Measuring Social Tag Confidence: Is It A Good or Bad Tag? The 12th International Conference on Web-Age Information Management (WAIM 2011), Wuhan, China, September 14-16, 2011, pp. 94-105
23. Guoqiang Gao, **Ruixuan Li**, Weijun Xiao, Zhiyong Xu. Distributed Caching Strategies in Peer-to-Peer Systems. The 13th IEEE International Conference on High Performance Computing and Communications (HPCC 2011), Banff, Canada, September 2-4, 2011, pp. 1-8

24. Heng He, **Ruixuan Li**, Guoqiang Gao, Zhiyong Xu, Weijun Xiao. An Integrated System Solution for Secure P2P Content Distribution Based on Network Coding. The 6th IEEE International Conference on Networking, Architecture, and Storage (NAS 2011), Dalian, China, July 28-30, 2011, pp. 191-196
25. **Ruixuan Li**, Guoqiang Gao, Weijun Xiao, Zhiyong Xu. Measurement Study on PPLive Based on Channel Popularity. The 9th Annual Conference on Communications Networks and Services Research (CNSR 2011), Ottawa, Canada, May 2-5, 2011, pp. 18-25
26. Jin Xia, Kunmei Wen, **Ruixuan Li**, Xiwu Gu. Optimizing Academic Conference Classification using Social Tags. The 13th International Conference on Computational Science and Engineering (CSE 2010), Hong Kong, China, December 11-13, 2010, pp. 289-294
27. Yuhua Li, Quan Lin, **Ruixuan Li**, Dongsheng Duan. TGP: Mining Top-K Frequent Closed Graph Pattern without Minimum Support. The International Conference on Advanced Data Mining and Applications (ADMA 2010), November 19-21, 2010, pp. 537-548
28. Jinwei Hu, Yan Zhang, **Ruixuan Li**. Towards Automatic Update of Access Control Policy. The 24th USENIX Large Installation System Administration Conference (LISA 2010), San Jose, CA, USA, November 7-12, 2010, pp. 59-74
29. Kunmei Wen, **Ruixuan Li**, Bing Li. Searching Concepts and Association Relationships Based on Domain Ontology. The 9th International Conference on Grid and Cloud Computing (GCC 2010), Nanjing, China, November 1-5, 2010, pp. 432-437
30. Guoqiang Gao, **Ruixuan Li**, Xiwu Gu, Kunmei Wen, Zhengding Lu, Kun Yan. Mimir: Term-Distributed Indexing and Search for Secret Documents. The 6th International Conference on Collaborative Computing: Networking, Applications and Worksharing (CollaborateCom 2010), Chicago, IL, USA, October 9-12, 2010
31. **Ruixuan Li**, Meng Dong, Bin Liu, Jianfeng Lu, Xiaopu Ma, Kai Li. SecTag: A Multi-Policy Supported Secure Web Tag Framework. The 17th ACM Conference on Computer and Communications Security (CCS 2010) (Demo), Chicago, IL, USA, October 4-8, 2010, pp. 633-635
32. Yan'an Jin, **Ruixuan Li**, Zhengding Lu, Kunmei Wen, Xiwu Gu. Topic-sensitive Tag Ranking. The 20th International Conference on Pattern Recognition (ICPR 2010), Istanbul, Turkey, August 23-26, 2010, pp. 629-632
33. Yan'an Jin, **Ruixuan Li**, Yi Cai, Qing Li, Ali Daud, Yuhua Li. Semantic Grounding of Hybridization for Tag Recommendation. The 11th International Conference on Web-Age Information Management (WAIM 2010), Jiuzhai Valley, Sichuan, China, July 2010, pp. 139-150
34. Guoqiang Gao, **Ruixuan Li**, Kunmei Wen, Xiwu Gu, Zhengding Lu. Proactive Replication and Search for Rare Objects in Unstructured Peer-to-Peer Networks. The 11th International Conference on Web-Age Information Management (WAIM 2010), Jiuzhai Valley, Sichuan, China, July 2010, pp. 74-85
35. Xiaopu Ma, **Ruixuan Li**, Zhengding Lu. Role Mining Based on Weights. The 15th ACM Symposium on Access Control Models and Technologies (SACMAT 2010), Pittsburgh, USA, June 2010, pp. 65-74
36. Jinwei Hu, Yan Zhang, **Ruixuan Li**, Zhengding Lu. Role Updating for Assignments. The 15th ACM Symposium on Access Control Models and Technologies (SACMAT 2010), Pittsburgh, USA, June 2010, pp. 89-98
37. Jinwei Hu, Yan Zhang, **Ruixuan Li**, Zhengding Lu. A Logic for Authorization Provenance. The 5th ACM Symposium on Information, Computer and Communications Security (ASIACCS 2010), Beijing, China, April 13-16, 2010, pp. 238-249 (Acceptance rate: 15%, 25/166)

38. Jinwei Hu, Yan Zhang, **Ruixuan Li**, Zhengding Lu. Managing Authorization Provenance: A Modal Logic based Approach. The 21st International Conference on Tools with Artificial Intelligence (ICTAI 2009), Newark, New Jersey, USA, November 2-4, 2009, pp.621-624
39. Jianfeng Lu, **Ruixuan Li**, Vijay Varadharajan, Zhengding Lu, Xiaopu Ma. Secure Interoperation in Multidomain Environments Employing UCON Policies. The 12th Information Security Conference (ISC 2009), Pisa, Italy, September 7-9, 2009, pp. 395-402 (Acceptance rate: 27.6%, 29/105)
40. Jianfeng Lu, **Ruixuan Li**, Zhengding Lu, Jinwei Hu, Xiaopu Ma. Specification and Enforcement of Static Separation-of-Duty Policies in Usage Control. The 12th Information Security Conference (ISC 2009), Pisa, Italy, September 7-9, 2009, pp. 403-410 (Acceptance rate: 27.6%, 29/105)
41. Jianfeng Lu, **Ruixuan Li**, Zhengding Lu, Yanan Jin. Dynamic Enforcement of Separation-of-Duty Policies. The 2009 International Conference on Multimedia Information Networking and Security (MINES 2009), Wuhan, China, November 18-20, 2009, pp. 394-397
42. Xiaopu Ma, **Ruixuan Li**, Zhengding Lu, Jianfeng Lu. Global Static Separation of Duty in Multi-domains. The 2009 International Conference on Multimedia Information Networking and Security (MINES 2009), Wuhan, China, November 18-20, 2009, pp. 506-509
43. Jinwei Hu, **Ruixuan Li**, Zhengding Lu. On Role Mappings for RBAC-based Secure Interoperation. The 3rd International Conference on Network & System Security (NSS 2009), Gold Coast, Australia, October 19-21, 2009, pp. 270-277 (Acceptance rate: 28.9%, 43/149)
44. Jinwei Hu, **Ruixuan Li**, Zhengding Lu. RBAC-based Secure Interoperation using Constraint Logic Programming. The 2009 IEEE/IFIP International Symposium on Trusted Computing and Communications (TrustCom 2009), Vancouver, Canada, August 29-31, 2009, pp. 867-872
45. Cuihua Zuo, **Ruixuan Li**, Haiying Shen, Zhengding Lu. High Coverage Search in Multi-Tree Based P2P Overlay Network. IEEE Workshop on Grid and P2P Systems and Applications (GridPeer 2009) in conjunction with ICCCN 2009, San Francisco, USA, August 2-6, 2009, pp. 1-6
46. Jianfeng Lu, **Ruixuan Li**, Zhengding Lu, Xiaopu Ma. A Role-based Access Control Architecture for P2P File-Sharing Systems Using Primary/Backup Strategy. In: Proceedings of the 2009 International Conference on Networks Security, Wireless Communications and Trusted Computing (NSWCTC 2009), IEEE Computer Society, Wuhan, Hubei, China, April 2009, pp. 700-703
47. **Ruixuan Li**, Cuihua Zuo, Yuntian He, Zhengding Lu. A Credit Mechanism Based on Automatic Audit in P2P File Sharing Systems. In: Proceedings of the 2008 International Symposium on Trusted Computing (TrustCom 2008), Zhangjiajie, Hunan, China, November 2008
48. Jianfeng Lu, **Ruixuan Li**, Zhengding Lu, Bing Li. Integrating Trust and Role for Secure Interoperation in Multi-Domain Environment. In: Proceedings of the 2nd International Conference on Information Security and Assurance (ISA 2008), IEEE Computer Society, Busan, Korea, April 2008, pp. 77-82
49. Wei Song, **Ruixuan Li**, Zhengding Lu, Mudar Sarem. SemSearch: A Scalable Semantic Resource Search Algorithm for Unstructured P2P Network. In: Proceedings of the 10th Asia-Pacific Web Conference (APWeb 2008), LNCS 4976, Shenyang, China, April 2008, pp. 631-636
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- Presentation: FAN: A Flabellate Overlay Network Supporting Scalable Multi-Dimensional Attributes, The IEEE 22nd International Conference on Advanced Information Networking and Applications (AINA 2008), GinoWan, Okinawa, Japan, Mar, 2008
- Presentation: Semantic Search Engine - Smartch, The 4th National Conference on Web Information System and Applications (WISA 2007), Beijing, China, Sep, 2007
- Presentation: Towards a Type-2 Fuzzy Description Logic for Semantic Search Engine, The 9th Asia-Pacific Web Conference and the 8th International Conference on Web-Age Information Management (APWeb/WAIM 2007), Huangshan, China, Jun, 2007
- Presentation: An Improved Semantic Search Model Based on Hybrid Fuzzy Description Logic. Japan-China Joint Workshop on Frontier of Computer Science and Technology (FCST 2006), Aizu, Fukushima, Japan, Nov, 2006
- Technical Report: Concepts and Techniques of Distributed Computing, HUST Undergraduate Lecture, Wuhan, China, Jun, 2006
- Invited Talk: Security Issues in P2P Systems, The 2005 China National Computer Conference (CNCC 2005), Wuhan, China, Oct, 2005
- Invited Talk: WebPeer: A P2P-based System for Publishing and Discovering Web Services, University of Western Sydney, Sydney, Australia, Aug, 2005
- Technical Presentation: Policy-based Secure Interoperability among Multiple Autonomous Domains, HUST IDC Lab Seminar, Wuhan, China, May, 2005
- Technical Presentation: Secure Interoperability and Risk Assessment in Distributed Systems, HUST IDC Lab Seminar, Wuhan, China, Dec, 2004

- Technical Presentation: P2P-based Data Management, Hefei, China, Jul, 2004

PATENTS

◆ Authorized Patents

- **Ruixuan Li**, Zhengding Lu, Wei Song, Cuihua Zuo, Maoyuan Zhang, Kunmei Wen, Yuntian He, Yutao Wan. System for Ciphertext-Based Full Text Retrieval. China Patent (No. ZL200610124691.1), 2006
- **Ruixuan Li**, Zhengding Lu, Kunmei Wen, Xiaolin Sun, Guangcan Yu. System for Secure Search Engine Based on Access Control. China Patent (No. ZL200710052025.6), 2007
- **Ruixuan Li**, Zhengding Lu, Jinwei Hu, Zhuo Tang, Kai Li, Jianfeng Lu. Method for Risk-based Distributed Access Control. China Patent (No. ZL200710052983.3), 2007
- Qi Shu, Kunmei Wen, **Ruixuan Li**, Xiaolin Sun, Yantao Zhao. A Result Ordering Method and Device for Association and Relationship Search. China Patent (No. ZL200710163152.3), 2007
- **Ruixuan Li**, Xiwu Gu, Zhengding Lu, Guangcan Yu, Kunmei Wen, Maoyuan Zhang, Yibin Ding. System for Website Oriented Secure Database Search Engine. China Patent (No. ZL200810048012.6), 2008
- **Ruixuan Li**, Zhengding Lu, Bin Liu, Zhuo Tang, Jianfeng Lu, Jinwei Hu. System for Multi-Policy Supported Secure Java Web Application Page Tag. China Patent (No. ZL200810197231.0), 2008
- **Ruixuan Li**, Sai Song, Xiwu Gu, Kunmei Wen, Zhengding Lu, Cuihua Zuo, Wei Wu, Xiaoqiang Lei, Kun Yan, Yuqian Li. System for Cipher-based Secure Full Text Indexing and Retrieval. China Patent (No. ZL200910061325.X), 2009
- **Ruixuan Li**, Cuihua Zuo, Xiwu Gu, Kunmei Wen, Wei Song, Zhengding Lu, Wei Wu, Sai Song, Guoqiang Gao. System for Distributed Cipher Full Text Retrieval. China Patent (No. ZL200910062129.4), 2009
- **Ruixuan Li**, Xiaoqiang Lei, Wei Wu, Xiwu Gu, Kunmei Wen, Zhengding Lu, Yuqian Li, Kun Yan, Sai Song, Guoqiang Gao. Encrypted Index Structure and Its Administration Method Based on Block Organization. China Patent (No. ZL200910063738.1), 2009
- **Ruixuan Li**, Guoqiang Gao, Kunmei Wen, Xiwu Gu, Wei Wu, Zhengding Lu, Heping Hu, Songfeng Lu, Cuihua Zuo, Kun Yan. Distributed Secure Retrieval System. China Patent (No. ZL200910272426.1), 2009
- **Ruixuan Li**, Yibin Ding, Kunmei Wen, Shanshan Chen, Xiwu Gu, Zhengding Lu, Yan'an Jin, Peng Zheng, Yong Zhao. System for Near-Duplicate Page Removal Based on Parallel Processing Framework. China Patent (No. ZL200910061694.9), 2009
- **Ruixuan Li**, Kunmei Wen, Yong Zhao, Xiwu Gu, Zhengding Lu, Yan'an Jin, Yibin Ding. System for Topic Crawler Based on Social Annotations. China Patent (No. ZL200910062020.0), 2009
- Wei Wu, **Ruixuan Li**, Liang Huang, Xiaoqiang Lei, Kunmei Wen, Xiwu Gu, Zhengding Lu, Heping Hu, Xueming Tang, Baohua Huang, Chengzhou Li. An Index Structure Supporting Access Control and Its Retrieval Method. China Patent (No. ZL200919272749.0), 2009
- **Ruixuan Li**, Xiaopu Ma, Kai Li, Xiwu Gu, Kunmei Wen, Wei Wang, Meng Dong, Li Nie, Wei Ye. System for Constructing Role-Based Access Control Model. China Patent (No. ZL201110090645.5), 2011
- **Ruixuan Li**, Xiaopu Ma, Xiwu Gu, Kai Li, Wei Wang, Yuhua Li, Kunmei Wen, Li Nie. System for Security Policy Decomposition and Verification in Cloud Storage Environments. China Patent (No. ZL201110090659.7), 2011
- **Ruixuan Li**, Yan'an Jin, Kunmei Wen, Xiwu Gu, Yuhua Li. A Tag Recommendation Method and System based on User Motivation Orientation. China Patent (No. ZL201110154353.3), 2011

◆ Pending Patents

- **Ruixuan Li**, Chenglin Shen, Heng He, Xiwu Gu, Yuhua Li, Hongmu Han, Wei Ye. A Method of Fine-grained Data Access Control in Cloud Storage (pending, application No. 201310084280.4), 2013
- **Ruixuan Li**, Chenglin Shen, Heng He, Xiwu Gu, Yuhua Li, Hongmu Han, Junwei Tang, Wei Ye. A Method of Light-weight Data Secure Sharing in Mobile Cloud Storage (pending, application No. 201410026787.9), 2014

SOFTWARE COPYRIGHTS

- **Ruixuan Li**, Xiwu Gu, Kunmei Wen, Zhengding Lu, Yan'an Jin, Zhihu Chen, Jing Xia, Yanchun Lu. Software for Academic Conference Search System. China Software Copyright, (No. 2010SR007006), 2010
- **Ruixuan Li**, Xiwu Gu, Wei Wu, Zhuo Tang, Bin Liu, Jianfeng Lu, Tianyi Li, Meng Dong, Kunmei Wen, Zhengding Lu, Kai Li, Jinwei Hu, Xiaopu Ma, Wei Wang, Li Nie. Software for Multi-Policy Supported Secure Tag System. China Software Copyright, (No. 2010SR006211), 2010
- **Ruixuan Li**, Kunmei Wen, Xiwu Gu, Wei Wu, Zhengding Lu, Yuhua Li, Wei Song, Cuihua Zuo, Guoqiang Gao, Sai Song, Kun Yan, Xiaoqiang Lei, Yuqian Li, Chengzhou Li, Ding Liu, Xuefan Chen. Software for Distributed Ciphertext Retrieval System. China Software Copyright, (No. 2010SR006209), 2010
- **Ruixuan Li**, Zhengding Lu, Xiwu Gu, Kunmei Wen, Kai Li, Zhuo Tang, Jianfeng Lu, Jinwei Hu, Bin Liu. Software for Multi-Domain Access Control System. China Software Copyright, (No. 2009SR033235), 2009
- **Ruixuan Li**, Zhengding Lu, Kunmei Wen, Xiaolin Sun, Guangcan Yu. Software for Secure Search Engine System. China Software Copyright, (No. 2007SR04378), 2007
- **Ruixuan Li**, Zhengding Lu, Wei Song, Cuihua Zuo, Maoyuan Zhang, Kunmei Wen, Yuntian He, Yutao Wan. Software for Ciphertext Retrieval System. China Software Copyright, (No. 2007SR04379), 2007
- **Ruixuan Li**, Zhengding Lu, Wei Wu, Weijun Xiao, Bing Li, Zhigang Wang. Software for Secure Distributed and Heterogeneous Information Exchange System. China Software Copyright, (No. 2005SR13134), 2005

AWARDS AND FELLOWSHIP GRANTS

- 2014, The 2nd Rank Prize of Excellent Teaching Quality, HUST
- 2012, The Excellent Natural Science Academic Paper of Hubei Province, China.
- 2011, The 2nd Rank Prize of Excellent Teaching Quality, HUST
- 2009, Outstanding Doctoral Dissertation Advisor Award, Hubei Province, China
- 2008, Outstanding Research Award, School of Computer Science and Technology, HUST
- 2007, ACM SIGMOD 2007 Participation Award
- 2007, Technological Innovation Award, Hubei Province, China
- 2006, Outstanding Doctoral Dissertation Award, Hubei Province, China
- 2005, Outstanding Doctoral Dissertation Award, HUST
- 2005, Excellent Paper Award, The 2005 Open Distributed and Parallel Computing Symposium (DPCS 2005), Shanghai, China
- 2004, The 2nd Rank Prize of Excellent Teaching Quality, HUST
- 2001, 2002, Research Assistantship from College of Computer Science, HUST
- 2000, Excellent Graduate Award of HUST

PROFESSIONAL ACTIVITIES

◆ Professional Membership

- Member: IEEE
- Member: ACM
- Member: The Institute of Electronics, Information and Communication Engineers (IEICE)
- Senior Member: China Computer Federation (CCF)
- Vice Director: Technical Committee of Open Systems of CCF
- Vice Director: Technical Committee of Office Automation of CCF
- Member: Technical Committee of System Software of CCF
- Member: Young Computer Scientists & Engineers Forum of CCF (YOCSEF)
- Director: Computer Society of Hubei Province, China

◆ Scientific Activities

- General Co-Chair: ACS 2013, ACS 2012
- Program Co-Chair: GPC 2012, WISA 2012, SWON 2008, SWON 2007
- Workshop Co-Chair: ICESSE 2012
- Program Committee Member: ACM SACMAT 2014, NAS 2013, TrustCom 2013, ADC 2013, WNM 2013, CIIA 2013, TrustCom 2012, STPSA 2012, WNM 2012, ICESSE 2012, CollaborateCom 2011, TrustCom 2011, PICom 2011, CollaborateCom 2010, ICESSE 2010, TrustCom 2010, PGSC 2010, FCST 2009, PICom 2009, WISA 2009, FCST 2008, WISA 2008, WISA 2007, WISA 2006, WISA 2005, CNCC 2005
- Organizing Co-Chair: DPCS 2002
- Organizing Committee Member: WISA 2004

◆ Session Chairs

- HPCC 2012, APWeb 2012, DPCS 2012, TrustCom 2011, CollaborateCom 2010, TrustCom 2009, TrustCom 2008, WISA 2008, DPCS 2008, NSS 2007, WISA 2007, DPCS 2007, WISA 2006, DPCS 2006, DPCS 2005

◆ Referee

- IEEE Transactions on Parallel and Distributed Systems, IEEE Transactions on Computers, IEEE Transactions on Cloud Computing, IEEE Computer, IEEE Network, Journal of Computer and System Sciences, Journal of Network and Computer Applications, Computer Communications, Future Generation Computer Systems, Information Sciences, Concurrency and Computation: Practice and Experience, Security and Communication Networks, Parallel and Distributed Computing and Networks, Artificial Intelligence Review, Computers in Industry, Journal of Integrated Design and Process Science, Journal of Computers, Advances in Systems Science and Applications

STUDENTS

◆ Current Ph.D. Students

- Hongmu Han (Sep. 2011 - present): Mobile security
- Xinhua Dong (Sep. 2011 - present): Big data storage and management
- Zhengyuan Xue (Sep. 2012 - present): Big data mining and analysis
- Changzheng Liu (Sep. 2012 - present): Big data mining and analysis

- Mohamed Hazber (Sep. 2012 - present): Semantic web and ontology
- Junwei Tang (Sep. 2013 - present): Mobile system security
- Qi Yang (Sep. 2014 - present): Mobile cloud security
- Ronghua Zhang (Sep. 2014 - present): Big data mining and analysis

◆ **Current M.S. Students**

- Zhiqiang Xiong (Sep. 2012 - present): Cloud security
- Quanzhou Zhao (Sep. 2012 - present): Cloud security
- Wanwan Zhou (Sep. 2012 - present): Big data management and analysis
- Cong Wang (Sep. 2012 - present): Big data management and analysis
- Kui Wang (Sep. 2013 - present): Mobile system security
- Wenzhe Wu (Sep. 2013 - present): Big data management and analysis
- Hao Wu (Sep. 2013 - present): Big data management and analysis
- Lendon Telesford (Sep. 2013 - present): Big data mining and analysis
- Jingjing Li (Sep. 2014 - present): Mobile system security
- Yiwei Huang (Sep. 2014 - present): Big data mining and analysis
- Fengling Huang (Sep. 2014 - present): Big data mining and analysis
- Lipeng Zhou (Sep. 2014 - present): Mobile system security
- Hongmin Zhang (Sep. 2014 - present): Mobile system security

◆ **Graduated Ph.D. Students**

- Xiaolin Sun (Sep. 2004 - Dec. 2007): Staff, State Administration of Foreign Exchange Shanghai Branch
 - Ph.D. Dissertation: Research on Type-2 Fuzzy Description Logics and Its Application (co-advised with Zhengding Lu)
- Wei Song (Sep. 2005 - Dec. 2008): Assistant Professor of Computer Science, Wuhan University
 - Ph.D. Dissertation: Research on Efficient Resource Sharing under the Environment of Peer-to-Peer Network (co-advised with Zhengding Lu)
- Zhuo Tang (Sep. 2005 - Dec. 2008): Assistant Professor of Computer Science, Hunan University
 - Ph.D. Dissertation: Research on Risk-Based Access Control for Multi-Domain Interoperation (co-advised with Zhengding Lu)
- Guangcan Yu (Sep. 2005 - Dec. 2008): Post-doc of Control Science, Huazhong University of Science and Technology
 - Ph.D. Dissertation: Research on Access Control Model in Collaborative Environments (co-advised with Zhengding Lu)
- Cuihua Zuo (Sep. 2006 - Dec. 2009): Assistant Professor of Computer Science, Wuhan Polytechnic University
 - Ph.D. Dissertation: Research on Efficiency and Security in Unstructured Peer-to-Peer Networks (co-advised with Zhengding Lu)
- Jinwei Hu (Sep. 2006 - Jun. 2010): Post-doc of Computer Science, University of Western Sydney
 - Ph.D. Dissertation: The Study of Multi-domain Authorization Management and Authorization Provenance (co-advised with Zhengding Lu and Yan Zhang)
- Jianfeng Lu (Sep. 2006 - Jun. 2010): Assistant Professor of Computer Science, Zhejiang Normal University
 - Ph.D. Dissertation: Optimization Method on Safety and Utility for Access Control Policies (co-advised with Zhengding Lu)

- Guoqiang Gao (Sep. 2007 - Jun. 2011): Assistant Professor of Media Science, Wuhan Textile University
 - Ph.D. Dissertation: Research on Distributed Cache Strategies in Peer-to-Peer Networks (co-advised with Zhengding Lu)
- Yan'an Jin (Sep. 2007 - Jun. 2011): Assistant Professor of Information Management, Hubei University of Economics
 - Ph.D. Dissertation: Research on Technologies and Methods of Tag Recommendation (co-advised with Zhengding Lu)
- Xiaopu Ma (Sep. 2008 - Jun. 2011): Post-doc of Computer Science, Huazhong University of Science and Technology
 - Ph.D. Dissertation: Research on Role and Constraint Discovery in Role Engineering (co-advised with Zhengding Lu)
- Liang Huang (Sep. 2008 - Aug. 2012): Assistant Professor of Computer Science, Wuhan Polytechnic University
 - Ph.D. Dissertation: Algorithms of Community Detection and Link Prediction in Social Networks (co-advised with Zhengding Lu)
- Dongsheng Duan (Sep. 2009 - Jun. 2013): Researcher, CNCERT
 - Ph.D. Dissertation: Research on Community Detection and Topic Modeling Technologies in Social Networks (co-advised with Yuhua Li)
- Heng He (Sep. 2009 - Dec. 2013): Assistant Professor of Computer Science, Wuhan University of Science and Technology
 - Ph.D. Dissertation: Research on Security Control Mechanisms of Peer-to-Peer Cloud Storage Service Systems
- Khaled M Banafaa (Sep. 2008 - Aug. 2014): Assistant Professor in The Republic of Yemen
 - Ph.D. Dissertation: Skyline Queries in Peer-to-peer Systems
- Wei Ye (Sep. 2010 - Dec. 2014): Assistant Professor of Computer Science, Wuhan Textile University
 - Ph.D. Dissertation: Role Mining and Logic Programming in Access Control

◆ **Graduated Ph.D. Students**

- Terefe Muleta (Sep. 2001 - Jun. 2003): Ethiopia
 - M.S. Thesis: Research on Federated Database Transaction
- Zhi Zhang (Sep. 2002 - Jun. 2005): Assistant Professor of Control Science, Wuhan University of Science and Technology
 - M.S. Thesis: Research on P2P-based Web Services Implementation Model
- Zhanxi Zhao (Sep. 2003 - Jun. 2006): Trident Multimedia Technologies (Shanghai) Co., Ltd
 - M.S. Thesis: Research on Ontology-based Integration of Multi-domain Access Control Policies
- Feng Ke (Sep. 2003 - Jun. 2006): Shanghai Micro Electronics Equipment Co., Ltd
 - M.S. Thesis: Semantic-based Web Services Composition in P2P Environment
- Yong Ji (Sep. 2004 - Jan. 2007): ZTE Corporation
 - M.S. Thesis: Risk Correlation and Assessment Algorithm for Secure Interoperation in Multi-Domain Environment
- Huajuan Zhang (Sep. 2005 - Jun. 2007): Tencent
 - M.S. Thesis: Trust-Based Risk Assessment in Peer-to-Peer Network
- Pixiang Ni (Sep. 2005 - Jun. 2007): Mindray
 - M.S. Thesis: The Research and Implementation of Video Watermark Technology Base on H.264 Standard

- Yutao Wan (Sep. 2005 - Jun. 2007): China Mobile (Shenzhen)
 - M.S. Thesis: The Research and Implementation of P2P Semantic Search System (co-advised with Zhengding Lu)
- Yuntian He (Sep. 2005 - Jun. 2007): Huawei
 - M.S. Thesis: Research and Realization of Credit Mechanism in P2P Network (co-advised with Zhengding Lu)
- Yantao Zhao (Sep. 2005 - Jun. 2007): Huanlue, now Autodesk, Inc.
 - M.S. Thesis: A Study on Searching and Ranking of Semantic Association Relationship (co-advised with Zhengding Lu)
- Kim Hyung Joo (Sep. 2005 - Jun. 2008): North Korea
 - M.S. Thesis: Research on Matching Method for XML Schema
- Wei Wang (Sep. 2006 - Jun. 2008): China Construction Bank
 - M.S. Thesis: Index Structure Research Based on Cipher-text Retrieval System
- Haijun Zhu (Sep. 2006 - Jun. 2008): ZTE Corporation
 - M.S. Thesis: Research and Application of Access Control in E-Government Environment
- Yan Liu (Sep. 2006 - Jun. 2008): Huawei
 - M.S. Thesis: Research on Application of Usage Control Model in Multi-Domain Environment
- Peng Zheng (Sep. 2006 - Jun. 2008): Oracle Asia R&D Center (Shenzhen)
 - M.S. Thesis: Research on Near Duplicates Detection Algorithm of Search Engines (co-advised with Zhengding Lu)
- Kun Liang (Sep. 2006 - Jun. 2008): Huawei
 - M.S. Thesis: Research on Ranking Algorithm Based on Topic Similarity of Web Pages in Search Engines (co-advised with Zhengding Lu)
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 - M.S. Thesis: A Study on Access Control Strategy in Secure Search Engine
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 - M.S. Thesis: Research on Tag-Based Fine-Grained Access Control Model
- Yibin Ding (Sep. 2007 - Jun. 2009): Bank of Communications
 - M.S. Thesis: Research and Implementation on the Parallelization of the Near-Duplicate Page Removal Algorithm
- Sai Song (Sep. 2007 - Jun. 2009): China Mobile (Zhejiang)
 - M.S. Thesis: Research on Secure Index Structure of Cipher-text Retrieval System
- Yong Zhao (Sep. 2007 - Jun. 2009): Alipay Co., Ltd
 - M.S. Thesis: Research on Focused Crawler Based on Social Annotations (co-advised with Zhengding Lu)
- Yuling Wang (Sep. 2007 - Jun. 2009):
 - M.S. Thesis: The Study of Vertical Search Engines Using Self-describing Data of Web Site
- Kun Yan (Sep. 2008 - Mar. 2011): Accenture Inc. (China)
 - M.S. Thesis: Research on Index Security and Cache Policy of Distributed Search Engine
- Tianyi Li (Sep. 2008 - Mar. 2011): Baidu Inc.
 - M.S. Thesis: Research on Checking and Digesting Policy Conflicts under Multi-Policy Environments
- Yuqian Li (Sep. 2008 - Mar. 2011): Taobao Inc.
 - M.S. Thesis: Research on Small Cipher File Storage Management in Storage Cloud Environment
- Xiaoqiang Lei (Sep. 2008 - Mar. 2011): Baidu Inc.

- M.S. Thesis: Research on Flash-based Hybrid Storage System (co-advised with Zhengding Lu)
- Meng Dong (Sep. 2009 - Mar. 2012): Aviation Industry Corporation of China
 - M.S. Thesis: Service Mash-up Oriented Access Control Policy Decomposition and Execution in Cloud Computing
- Yanchun Lu (Sep. 2009 - Mar. 2012): Alibaba Inc.
 - M.S. Thesis: Research on Academic Conference Topic Trends Analysis and Recommendation
- Ding Liu (Sep. 2009 - Mar. 2012): MicroStrategy Inc.
 - M.S. Thesis: Fast Snippet Generation Approach Based On CPU-GPU Hybrid System
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 - M.S. Thesis: Research on Role Mining Using Dynamic Modeling
- Chengzhou Li (Sep. 2009 - Mar. 2012): Baidu Inc.
 - M.S. Thesis: An Efficient SSD-based Hybrid Storage Architecture for Large-scale Search Engines (co-advised with Zhengding Lu)
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 - M.S. Thesis: Research on SSD-based Inverted Index Construction and Maintenance Strategies (co-advised with Zhengding Lu)
- Li Nie (Sep. 2009 - Mar. 2012): China Construction Bank
 - M.S. Thesis: Research on Entropy-based Security Service Mashup in Cloud Computing Environment (co-advised with Zhengding Lu)
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 - M.S. Thesis: Dom-based Automatic Webpage Scrolling in Mobile Search System
- Huaqing Li (Sep. 2010 - Mar. 2013): Tencent
 - M.S. Thesis: Role Mining Algorithm Research Based on Cardinality Constraints
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- Hongmin Wang (Sep. 2010 - Mar. 2013): Microsoft Search Technology Center Asia (STCA)
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- Kui Wang (Sep. 2010 - Mar. 2013): Guangzhou
 - M.S. Thesis: Research on P2P Video On-demand Streaming System Caching Mechanism
- Maria Nana Dixon (Sep. 2010 - Mar. 2013): Russia
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- Muhammad Asif Khan (Sep. 2010 - Mar. 2013): Pakistan
 - M.S. Thesis: Design and Implementation of PRF Social Media Website
- Maqbool Khan (Sep. 2011 - Jun. 2013): PhD at Nanjing University
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- Shuoyi Zhao (Sep. 2011 - Mar. 2014): Hangzhou
 - M.S. Thesis: Research on MapReduce-based Approach for Singular Value Decomposition
- Daudi Mashauri (Sep. 2012 - Jun. 2014): The United Republic of Tanzania
 - M.S. Thesis: Adaptive Multi-keyword Ranked Search over Encrypted Cloud Data

TEACHING EXPERIENCE

◆ Graduate Courses

- Modern Information Retrieval, Fall 2008, 2010, 2011 (Chinese), Fall 2012, 2013, 2014 (**English**)
- Distributed Systems and Middleware, Fall 2008, 2010, 2011, 2012, 2013, 2014 (Chinese)
- Peer-to-Peer Computing, Spring 2005, 2006, 2007, 2008, 2009 (Chinese)
- Semantic Web & Ontology, Fall 2004, 2005, 2006, 2007 (Chinese)
- System Integration and Middleware, Spring 2000, 2002-2007 (Chinese)
- Database System Design, Fall 2001, 2008, 2011, Spring 2011, 2013, 2014, 2015 (**English**)

◆ Undergraduate Courses

- Great Ideas in Computer Science, Spring 2013, Fall 2013, 2014 (Chinese)
- Database System Principle, Fall 2005, Spring 2004, 2005, 2007, 2011, 2012, 2015 (Chinese)
- Methodology of Computer Science and Technology, Fall 2010, 2011 (Chinese)
- Object-Oriented Programming, Spring 2005, 2006, 2007 (Chinese)
- C++ Programming Language, Fall 2003 (Chinese)

◆ Technical Training Courses

- Oracle Database Administration, 1998-2000, Oracle Joint University
- Oracle Database Application and Development, 1998-2000, Oracle Joint University
- Oracle Web Application and Development, 1999-2000, Oracle Joint University
- Informix Database Administration and Development, 1999, Informix Joint Training Center
- SCO Unix System Administration, 1999-2000, SCO China Joint Education Center
- SCO Unix Network Administration, 1999-2000, SCO China Joint Education Center