



Dr. Jianxin Li

<http://act.buaa.edu.cn/lijx>

Personal Details

Telephone: (work) +86-10-8233-9274

Fax: +86 10 8233-9274

Mobile: +86 (0)13521215768

Email: lijx@act.buaa.edu.cn, lijianxin@gmail.com

Address: P.O.Box 7-28, Beihang University, No.37, Xueyuan Rd., Haidian District, Beijing, 100083, China

Associate Professor, School of Computer Science and Engineering, Beihang University,

RESEARCH AREAS

Distributed system; Virtualization; Data Processing; Trust management; Information Security

AWARDS & HONNORS

- National Award for Technological Invention, Second-class, Dec. 2008
- National Award for Development in Science and Technology, Second-class, Jan. 2004
- Award and Honor Microsoft Fellowship of Microsoft Research Asia, Mar. 2005
- Honor of Excellent Graduated Student in Beijing, 2001
- New Century Excellent Talents in University 2010, Mar. 2011
- Beijing New Star Project on Science & Technology 2010, Dec. 2010
- MSRA (Microsoft Research Asia) StarTrack Visiting Young Faculty, Jan. 2011

HIGHER EDUCATION

- 2001.9 - 2008.1 Ph.D. Computer Software and Theory, School of Computer Science & Engineering, Beihang University, Beijing, China
(Advised by Prof Jinpeng Huai, President of Beihang University, Academician of China Academy of Science)
- 1997.9 - 2001.7 B.E. Computer Science, School of Computer Science & Engineering, Beihang University, Beijing, China

VISITING EXPERICENS

- Apr. 2008: Science & Technology Facilities Council (STFC), Rutherford Appleton Laboratory, UK
- Apr. 2011- Oct. 2011: Media Computing Group, Microsoft Research Asia

SELECTED PUBLICATIONS

1. **Jianxin Li***, Jieyu Zhao, Yi Li, Lei Cui, Bo Li. iMIG: Towards an Adaptive Live Migration Method for KVM Virtual Machines, The Computer Journal, Oxford University Press. (2014)
doi: 10.1093/comjnl/bxu065
2. Lei Cui, **Jianxin Li**, Tianyu Wo, Bo Li. HotRestore: A Fast Restore System for Virtual Machine Cluster. USENIX 28th Large Installation System Administration Conference (LISA 2014), Seattle, WA. 2014
3. **Jianxin Li***, Linlin meng, Zekun Zhu, Xudong Liu, Jinpeng Huai, Lu Liu. Book Chapter: CloudRank: A Cloud Service Ranking Method Based on Both User Feedback and Service

Testing. *Principles, Methodologies, and Service-Oriented Approaches for Cloud Computing, IGI*. page. 230-258 January, 2013 (Book Chapter)

4. Bo Li, **Jianxin Li**, Lu Liu. CloudMon: a resource-efficient IaaS cloud monitoring system based on networked intrusion detection system virtual appliances. *Concurrency and Computation: Practice and Experience*.
<http://onlinelibrary.wiley.com/doi/10.1002/cpe.3166/abstract>
5. Shengyang Sha, **Jianxin Li***, Nan Li, Wuyang Ju, Lei Cui, Bo Li. SmartKSM: A VMM-based Memory Deduplication Scanner for Virtual Machines. 24th ACM Symposium on Operating Systems Principles (SOSP '13), Poster Session, Farmington, Pennsylvania, USA (presented by Jianxin Li)
6. Lei Cui, Bo Li, Yangyang Zhang, and **Jianxin Li***. HotSnap: A Hot Distributed Snapshot System for Virtual Machine Cluster. In the Proceedings of the 27th Large Installation System Administration Conference (LISA 2013). Washington, D.C., USA, November 3, 2013. page 59-73 (presented by Jianxin Li)
7. Lei Cui, **Jianxin Li***, Bo Li, Jinpeng Huai, Chunming Hu, Tianyu Wo, Hussain Al-Aqrabi, Lu Liu. VMScatter: migrate virtual machines to many hosts. The 9th Annual International Conference on Virtual Execution Environments (VEE 2013). Houston, Texas, USA, March 16–17 2013: 63-72
8. **Jianxin Li***, Qi Song, Weiren Yu, Chunming Hu, Jian Kang: iScreen: A Merged Screen of Local System with Remote Applications in a Mobile Cloud Environment. SOSE 2013: 509-517
9. **Li Jianxin***, Liu Hanqing, Cui Lei, Bo Li, Tianyu Wo. iROW: An efficient live snapshot system for virtual machine disk. Proceedings of the IEEE 18th International Conference on Parallel and Distributed Systems (ICPADS 2012), 2012: 376-383.
10. **Jianxin Li***, Bo Li, Tianyu Wo, Chunming Hu, Jinpeng Huai, Lu Liu, and K.P. Lam, CyberGuarder: A virtualization security assurance architecture for green cloud computing, *Future Generation Computer Systems (FGCS)*, Volume 28, Issue 2, 379–390. 2012
11. **Jianxin Li**, Xudong Liu, Lu Liu, Dazhi Sun and Bo Li. HiTrust: building cross-organizational trust relationship based on a hybrid negotiation tree. *Telecomm Syst.* 52(2):1353-1365, 2013
12. **Jianxin Li***, Yu Jia, Lu Liu, Tianyu Wo: CyberLiveApp: A secure sharing and migration approach for live virtual desktop applications in a cloud environment. *Future Generation Computer System (FGCS)*. 29(1): 330-340, 2013
13. **Jianxin Li***, Jinpeng Huai, Chunming Hu, Yanmin Zhu. A Secure Collaboration Service for Dynamic Virtual Organizations, Elsevier, *Journal of Information Science. Journal of Information Sciences, Elsevier*, 2010.5, Vol. 180, No.17, pp. 3086-3107
14. **Jianxin Li**, Dacheng Zhang, Jinpeng Huai, Jie Xu. Context-aware trust negotiation in peer-to-peer service collaborations, *Journal Peer-to-Peer Networking and Applications (PPNA)*, Springer, 2(2) : 164-177, 2009
15. **Jianxin Li**, Jinpeng Huai, Li Lin. A negotiation-based trust establishment service for CROWN grid. *International Journal of Autonomous and Adaptive Communications Systems (IJAACS)*, 2(4):362 - 381, 2009
16. **Jianxin Li**, Bo Li, Lei Cui, Tianyu Wo, Chunming Hu, Jinpeng Huai. Experience of Building a Security Architecture for the Virtual Computing Environments. The 41st Annual IEEE/IFIP International Conference on Dependable Systems and Networks (DSN 2011). Poster. Hongkong.
17. **Jianxin Li**, Jinpeng Huai, Chunming Hu. PEACE-VO: Security Policy-Enabled Collaboration for Virtual Organizations, 26th IEEE International Symposium on Reliable Distributed Systems (SRDS 2007), Beijing, China, October, 2007.

18. **Jianxin Li**, Jinpeng Huai, Jie Xu, Yanmin Zhu, Wei Xue. TOWER: Practical Trust Negotiation Framework for Grids. In 2nd IEEE International Conference on e-Science and Grid Computing (eScience 2006), Amsterdam, 2006.
19. Paul Townend, Jinpeng Huai, Jie Xu, Nik Looker, Dacheng Zhang, **Jianxin Li**, Liang Zhong. CROWN-C: A High-Assurance Service-Oriented Grid Middleware System. *IEEE Computer Magazine*, Vol:41, Issue:8, 2008, page 30-40.

PROFESSIONAL ACTIVITIES AND SERVICES

- **Editor**
 - Journal of Cloud Computing: Advances, Systems and Applications, Springer
<http://www.springer.com/computer/communication+networks/journal/13677>
 - Frontiers of Computer Science , Springer
<http://journal.hep.com.cn/computer/>
 - International Journal of Communication Networks and Information Security (IJCNIS)
<http://www.ijcnis.org/index.php/ijcnis>
- **Program Co-Chair**
 - 2013 IEEE International Conference on Cyber, Physical and Social Computing (CPSCom 2013), August 21-24, 2013, Beijing, China.
http://www.china-iot.net/CPSCom_committees.htm
 - The 3rd International Symposium on Mobile and Wireless Network Security (MWNS-12), in conjunction with 11th IEEE International Conference on Trust, Security and Privacy in Computing and Communications (IEEE TrustCom-12), 25-27 June, 2012, Liverpool, UK,
<http://www.scim.brad.ac.uk/~hmibrahi/TrustCom2012/>
 - The 3rd International Workshop on Dependable Service-Oriented and Cloud computing (DSOC 2012), In conjunction with 14th IEEE International Conference on High Performance Computing and Communication (HPCC), Liverpool, UK, 25-27 June, 2012
http://www.comp.leeds.ac.uk/distsys/workshop_dsoc_2012.php
<http://scim.brad.ac.uk/~hmibrahi/HPCC2012/>
 - The 2012 International Workshop on Internet-based Virtual Computing Environment (iVCE'12), in conjunction with ISORC 2012: The 15th IEEE International Symposium on Object/component/service-oriented Real-time distributed computing, April 11, 2012, Shenzhen, China.
<http://isorc2012.buaa.edu.cn/dct/page/65592>
- **Publication Chair**
 - The 15th IEEE International Symposium on Object/component/service-oriented Real-time Distributed Computing, April 11-13, 2012, Shenzhen, China
- **Publicity chair**
 - The IEEE International Conference on Internet of Things (iThings 2012), Besançon, France, 12-14 September, 2012
<http://www.ieee-iot.org/>
- **Program Committee Member**
 - The IEEE International Conference on Services Computing (SCC 2008), July 8-11, 2008, Honolulu, Hawaii, USA
 - IEEE 2009 International Conference on Cloud Computing (CLOUD-II 2009), September 21-25, 2009, Bangalore, India
 - The IEEE 7th International Conference on Services Computing (SCC 2010). Miami, Florida, USA, July 5 <http://conferences.computer.org/scc/2010/>
 - The 5th International Conference on Ubiquitous Information Technologies & Applications (CUTE 2010) will be held in Sanya, China, 16 December - 18 December, 2010
<http://grid.hust.edu.cn/CUTE2010/>
 - The IEEE International Conference on Services Computing (SCC 2011) July 5-10, 2011 Washington, DC, USA

- The International Conference on Cloud and Green Computing (CGC2011), 12-14 December 2011, Sydney Australia
- FSKD 2012 : 9th International Conference on Fuzzy Systems and Knowledge Discovery, Chongqing, China, May 29, 2012 - May 31, 2012
<http://icnc-fskd.cqupt.edu.cn>
- The IEEE International Conference on Internet of Things (iThings 2012), Besançon, France, 12-14 September, 2012
<http://www.ieee-iot.org/>
- 13th ACIS International Conference on Software Engineering, Artificial Intelligence, Networking and Parallel/Distributed Computing (SNPD 2012), Kyoto, Japan, on August 8th- 10th 2012
<http://acis.cps.cmich.edu/SNPD2012/>
- The International Conference on Cloud and Green Computing (CGC 2012), Xiangtan, China during 1-3 Nov. 2012
- The Third International Conference on Cloud Computing, GRIDs, and Virtualization, 2012, July 22-27, 2012 - Nice, France
- 14th International Conference on Software Engineering, Artificial Intelligence, Networking, and Parallel/Distributed Computing (SNPD 2013) (SNPD 2013) Honolulu, Hawaii, June 3 - June 5, 2013.
- The 15th IEEE International Conference on High Performance Computing and Communications (HPCC 2013), November 13-15, 2013, Zhangjiajie, China,
<http://trust.csu.edu.cn/conference/hpcc2013/>
- The 9th International Conference on Semantics, Knowledge and Grids (SKG 2013), Oct 3-4, 2013, Beijing, China.
<http://www.knowledgegrid.net/SKG2013>
- The 16th IEEE International Conference on High Performance and Communications (HPCC 2014), Paris, France, August 20-22, 2014.
http://conference.hpcc2014.studiocheik.fr/committees/hpcc2014/front_page
- 4th IEEE International Conference on Big Data and Cloud Computing (BDCloud). Sydney, Australia, 3-5 Dec. 2014.
<http://www.swinflow.org/confs/bdcloud2014/>
- The Sixth International workshop on Cloud Data Management (CloudDB 2014), Apr. 4, 2014, Chicago, IL USA, <http://idke.ruc.edu.cn/clouddb2014/>
- The 20th IEEE International Conference on Parallel and Distributed Systems (ICPADS 2014), Hsinchu, Taiwan, December 16 – 19, 2014.
<http://www.icpads.org/Committees.html>

Referees

Jinpeng Huai,

Professor, President of Beihang University.
Beihang University, HaiDian District XueYuan Road No.37
Beijing, 100083, China.
Email: huaijp@buaa.edu.cn