

Tianyin Xu

Publication List

Refereed Conference Paper

- [CHI'17] **Tianyin Xu**, Han M. Naing, Le Lu, and Yuanyuan Zhou. How Do Sysadmins Resolve Access-Denied Issues? Practices and Implications. To appear in *Proceedings of the 35th Annual CHI Conference on Human Factors in Computing Systems (CHI'17)*, May 6-11, 2017, Denver, CO, USA.
- [OSDI'16] **Tianyin Xu**, Xinxin Jin, Peng Huang, Yuanyuan Zhou, Shan Lu, Long Jin, and Shankar Pasupathy. Early Detection of Configuration Errors to Reduce Failure Damage. In *Proceedings of the 12th USENIX Symposium on Operating Systems Design and Implementation (OSDI'16)*, Nov. 2-4, 2016, Savannah, GA, USA. **Jay Lepreau Best Paper Award**.
- [ESEC/FSE'15] **Tianyin Xu**, Long Jin, Xuepeng Fan, Yuanyuan Zhou, Shankar Pasupathy, and Rukma Talwadker. Hey, You Have Given Me Too Many Knobs! Understanding and Dealing with Over-Designed Configuration in System Software. In *Proceedings of the 10th Joint Meeting of the European Software Engineering Conference and the ACM SIGSOFT Symposium on the Foundations of Software Engineering (ESEC/FSE'15)*, Aug. 31-Sep. 4, 2015, Bergamo, Italy.
- [SOSP'13] **Tianyin Xu**, Jiaqi Zhang, Peng Huang, Jing Zheng, Tianwei Sheng, Ding Yuan, Yuanyuan Zhou, and Shankar Pasupathy. Do Not Blame Users for Misconfigurations. In *Proceedings of the 24th ACM Symposium on Operating Systems Principles (SOSP'13)*, Nov. 3-6, 2013, Farmington, PA, USA.
- [MobiSys'16] Peng Huang, **Tianyin Xu**, Xinxin Jin, and Yuanyuan Zhou. DefDroid: Towards a More Defensive Mobile OS Against Disruptive App Behavior. In *Proceedings of the 14th International Conference on Mobile Systems, Applications, and Services (MobiSys'16)*, Jun. 26-30, 2016, Singapore.
- [EuroSys'16] Xinxin Jin, Peng Huang, **Tianyin Xu**, and Yuanyuan Zhou. NChecker: Saving Mobile App Developers from Network Disruptions. In *Proceedings of the 11th ACM European Conference on Computer Systems (EuroSys'16)*, Apr. 18-21, 2016, London, UK.
- [NSDI'16] Zhenhua Li, Weiwei Wang, **Tianyin Xu**, Xin Zhong, Xiang-Yang Li, Yunhao Liu, Christo Wilson, and Ben Y. Zhao. Exploring Cross-Application Cellular Traffic Optimization with Baidu TrafficGuard. In *Proceedings of the 13th USENIX Symposium on Networked Systems Design and Implementation (NSDI'16)*, Mar. 16-18, 2016, Santa Clara, CA, USA.

- [IMC'15] Zhenhua Li, Christo Wilson, **Tianyin Xu**, Yao Liu, Zhen Lu, and Yinlong Wang. Offline Downloading in China: A Comparative Study. In *Proceedings of the 15th ACM Internet Measurement Conference (IMC'15)*, Oct. 28-30, 2015, Tokyo, Japan.
- [IMC'14] Zhenhua Li, Cheng Jin, **Tianyin Xu**, Christo Wilson, Yao Liu, Linsong Cheng, Yunhao Liu, Yafei Dai, and Zhi-Li Zhang. Towards Network-level Efficiency for Cloud Storage Services. In *Proceedings of the 14th ACM Internet Measurement Conference (IMC'14)*, Nov. 5-7, 2014, Vancouver, Canada.
- [ASPLOS'14] Jiaqi Zhang, Lakshminarayanan Renganarayana, Xiaolan Zhang, Niyu Ge, Vasanth Bala, **Tianyin Xu**, and Yuanyuan Zhou. EnCore: Exploiting System Environment and Correlation Information for Misconfiguration Detection. In *Proceedings of the 19th International Conference on Architectural Support for Programming Languages and Operating Systems (ASPLOS'14)*, Mar. 1-5, 2014, Salt Lake City, UT, USA.

Refereed Journal Article

- [CSUR'15] **Tianyin Xu** and Yuanyuan Zhou. Systems Approaches to Tackling Configuration Errors: A Survey. *ACM Computing Surveys*, Volume 47, Number 4, Article 70, Jul. 2015.

ePrint Archive

- [CoRR'16] **Tianyin Xu**, Vineet Pandey, and Scott Klemmer. An HCI View of Configuration Problems. *CoRR*, abs/1601.01747, Jan. 2016.