



LECTURER, MONASH UNIVERSITY

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Research Interests

Mobile Software Engineering, Software Security, and Machine Learning/Deep Learning.

DBLP: https://dblp.uni-trier.de/pers/hd/l/Li_0029:Li

Google Scholar: <https://scholar.google.com/citations?user=zuUsFkgAAAAJ>

Academic Experience

Monash University, Lecturer (a.k.a. Assistant Professor)	Feb. 2018 - Present
University College London, Research Associate (honorary)	Dec. 2016 - Feb. 2018
University of Luxembourg, Research Associate in Computer Science	Dec. 2016 - Feb. 2018
University of Luxembourg, Doctor in Computer Science	Sep. 2013 - Nov. 2016
Beihang University, Master in Computer Science	Sep. 2010 - Mar. 2013
Southwest University, Bachelor in Computer Science	Sep. 2006 - Jul. 2010

Selected Publications

Google Scholar Citation: 1300, H-Index: 17 (Jun. 2019)

Journal:

- [10] Li Li, Tegawendé F. Bissyandé, Jacques Klein, Rebooting Research on Detecting Repackaged Android Apps: Literature Review and Benchmark, IEEE Transactions on Software Engineering (TSE), 2019
- [9] Li Li, Timothée Riom, Tegawendé F. Bissyandé, Haoyu Wang, Jacques Klein and Yves Le Traon, Revisiting the Impact of Common Libraries for Android-related Investigations, Journal of Systems and Software (JSS), 2019
- [8] Daoyuan Li, Li Li, Dongsun Kim, Tegawendé F. Bissyandé, David Lo, and Yves Le Traon, Watch out for This Commit! A Study of Influential Software Changes, Journal of Software: Evolution and Process, 2019
- [7] Yangyu Hu, Haoyu Wang, Yajin Zhou, Yao Guo, Li Li, Bingxuan Luo, Fangren Xu, Dating with Scambots: Understanding the Ecosystem of Fraudulent Dating Applications, IEEE Transactions on Dependable and Secure Computing (TDSC), 2019
- [6] Li Li, Tegawendé F. Bissyandé, Haoyu Wang, Jacques Klein, On Identifying and Explaining Similarities in Android Apps, Journal of Computer Science and Technology (JCST), 2019
- [5] Pingfan Kong, Li Li, Jun Gao, Kui Liu, Tegawendé Bissyandé, Jacques Klein, Automated Testing of Android Apps: A Systematic Literature Review, IEEE Transactions on Reliability, 2018
- [4] Li Li, Daoyuan Li, Tegawendé F. Bissyandé, Jacques Klein, Haipeng Cai, David Lo and Yves Le Traon, On Locating Malicious Code in Piggybacked Android Apps, Journal of Computer Science and Technology (JCST), 2017
- [3] Li Li, Daoyuan Li, Tegawendé F. Bissyandé, Jacques Klein, Yves Le Traon, David Lo and Lorenzo Cavallaro, Understanding Android App Piggybacking: A Systematic Study of Malicious Code Grafting, IEEE Transactions on Information Forensics & Security (TIFS), 2017

- [2] Li Li, Tegawendé Bissyandé, Mike Papadakis, Siegfried Rasthofer, Alexandre Bartel, Damien Oteau, Jacques Klein, Yves Le Traon, Static Analysis of Android Apps: A Systematic Literature Review, Information and Software Technology (IST), 2017
- [1] Xinli Yang, David Lo, Li Li, Xin Xia, Tegawendé Bissyandé, Jacques Klein, Characterizing Malicious Android Apps By Mining Topic-Specific Data Flow Signatures, Information and Software Technology (IST), 2017

Conference:

- [33] Pingfan Kong, Li Li, Jun Gao, Tegawendé Bissyandé, Jacques Klein, Mining Android Crash Fixes in the Absence of Issue- and Change-Tracking Systems, The 28th ACM SIGSOFT International Symposium on Software Testing and Analysis (ISSTA 2019), 2019 (CORE A)
- [32] Ziyi Zhang, Haipeng Cai, Li Li, Xiaoqin Fu, A Large-Scale Study of Application Incompatibilities in Android, The 28th ACM SIGSOFT International Symposium on Software Testing and Analysis (ISSTA 2019), 2019 (CORE A)
- [31] Luis Cruz, Rui Abreu, John Grundy, Li Li, Xin Xia, Do Energy-oriented Changes Hinder Maintainability? 35th IEEE International Conference on Software Maintenance and Evolution (ICSME 2019), 2019 (CORE A)
- [30] Jun Gao, Pingfan Kong, Li Li, Tegawendé F. Bissyandé and Jacques Klein, Negative Results on Mining Crypto-API Usage Rules in Android Apps, The 16th International Conference on Mining Software Repositories (MSR 2019), 2019 (CORE A)
- [29] Yangyu Hu, Haoyu Wang, Li Li, Yao Guo, Guoai Xu, and Ren He, Want to Earn a Few Extra Bucks? A First Look at Money-making Apps, IEEE International Conference on Software Analysis, Evolution and Reengineering (SANER 2019), 2019
- [28] Yanjie Zhao, Haoyu Wang, Lei Ma, Yuxin Liu, Li Li and John Grundy, Knowledge Graphing Git Repositories: A Preliminary Study, IEEE International Conference on Software Analysis, Evolution and Reengineering (SANER 2019), 2019
- [27] Li Li, Tegawendé F. Bissyandé, Haoyu Wang and Jacques Klein, CiD: Automating the Detection of API-related Compatibility Issues in Android Apps, The ACM SIGSOFT International Symposium on Software Testing and Analysis (ISSTA 2018), 2018 (CORE A)
- [26] Feng Dong, Haoyu Wang, Li Li, Yao Guo, Tegawendé F. Bissyandé, Tianming Liu, Guoai Xu, and Jacques Klein, FraudDroid: Automated Ad Fraud Detection for Android Apps, The 26th ACM Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering (ESEC/FSE 2018), 2018 (CORE A*)
- [25] Li Li, Tegawendé F. Bissyandé and Jacques Klein, MoonlightBox: Mining Android API Histories for Uncovering Release-time Inconsistencies, The 29th IEEE International Symposium on Software Reliability Engineering (ISSRE 2018), 2018 (CORE A)
- [24] Lei Ma, Fuyuan Zhang, Jiyuan Sun, Minhui Xue, Bo Li, Felix Juefei-Xu, Chao Xie, Li Li, Yang Liu, Jianjun Zhao, and Yadong Wang, DeepMutation: Mutation Testing of Deep Learning Systems, The 29th IEEE International Symposium on Software Reliability Engineering (ISSRE 2018), 2018 (CORE A)
- [23] Lei Ma, Felix Juefei-Xu, Fuyuan Zhang, Jiyuan Sun, Minhui Xue, Bo Li, Chunyang Chen, Ting Su, Li Li, Yang Liu, Jianjun Zhao, and Yadong Wang, DeepGauge: Multi-Granularity Testing Criteria for Deep Learning Systems, The 33rd IEEE/ACM International Conference on Automated Software Engineering (ASE 2018), 2018 (CORE A)
- [22] Kui Liu, Dongsun Kim, Li Li, Anil Koyuncu, Tegawendé Bissyande and Yves Le Traon, A Closer Look at Real-World Patches, The 34th International Conference on Software Maintenance and Evolution (ICSME), 2018 (CORE A)

- [21] Tien-Duy B. Le, Lingfeng Bao, David Lo, Debin Gao, Li Li, Towards Mining Comprehensive Android Sandboxes, The 23rd International Conference on Engineering of Complex Computer Systems (ICECCS), 2018 (CORE A)
- [20] Qiuyuan Chen, Lingfeng Bao, Li Li, Xin Xia, Liang Cai, Categorizing and Predicting Invalid Vulnerabilities on Common Vulnerabilities and Exposures, The 25th Asia-Pacific Software Engineering Conference (APSEC 2018), 2018
- [19] Haoyu Wang, Zhe Liu, Jingyue Liang, Narseo Vallina-Rodriguez, Yao Guo, Li Li, Juan Tapiador, Jingcun Cao, and Guoai Xu, Beyond Google Play: A Large-Scale Comparative Study of Chinese Android App Markets, The 2018 Internet Measurement Conference (IMC 2018), 2018 (CORE A)
- [18] Haoyu Wang, Hao Li, Li Li, Yao Guo, Guoai Xu, Why are Android Apps Removed From Google Play? A Large-scale Empirical Study, The 15th International Conference on Mining Software Repositories (MSR 2018), 2018 (CORE A)
- [17] Li Li, Jun Gao, Tegawendé F. Bissyandé, Lei Ma, Xin Xia, Jacques Klein, Characterising Deprecated Android APIs, The 15th International Conference on Mining Software Repositories (MSR 2018), 2018 (CORE A)
- [16] Kisub Kim, Dongsun Kim, Tegawendé F. Bissyandé, Eunjong Choi, Li Li, Jacques Klein, and Yves Le Traon, FaCoY – A Code-to-Code Search Engine, The 40th International Conference on Software Engineering (ICSE 2018), 2018 (CORE A*)
- [15] Feng Dong, Haoyu Wang, Li Li, Yao Guo, Guoai Xu, Shaodong Zhang, How Do Mobile Apps Violate the Behavioral Policy of Advertisement Libraries?, The Nineteenth Workshop on Mobile Computing Systems and Applications (HotMobile 2018), 2018
- [14] Li Li, Daoyuan Li, Tegawendé F. Bissyandé, Jacques Klein, Haipeng Cai, David Lo, Yves Le Traon, Automatically Locating Malicious Packages in Piggybacked Android Apps, The IEEE/ACM 4th International Conference on Mobile Software Engineering and Systems (MobileSoft), 2017
- [13] Li Li, Tegawendé F. Bissyandé, Jacques Klein, SimiDroid: Identifying and Explaining Similarities in Android Apps, The 16th International Conference on Trust, Security and Privacy in Computing and Communications (TrustCom), 2017 (CORE A)
- [12] Li Li, Tegawendé F. Bissyandé, Yves Le Traon, Jacques Klein, Accessing Inaccessible Android APIs: An Empirical Study, The 32nd International Conference on Software Maintenance and Evolution (ICSME), 2016 (CORE A)
- [11] Li Li, Tegawendé F. Bissyandé, Damien Octeau, and Jacques Klein, Reflection-Aware Static Analysis of Android Apps, The 31st IEEE/ACM International Conference on Automated Software Engineering, Demo Track (ASE), 2016 (CORE A)
- [10] Li Li, Jabier Martinez, Tewfik Ziadi, Tegawendé F. Bissyandé, Jacques Klein and Yves Le Traon, Mining Families of Android Applications for Extractive SPL Adoption, The 20th International Systems and Software Product Line Conference (SPLC), 2016
- [9] Li Li, Tegawendé F. Bissyandé, Damien Octeau, and Jacques Klein, DroidRA: Taming Reflection to Support Whole-Program Analysis of Android Apps, The 2016 International Symposium on Software Testing and Analysis (ISSTA), 2016 (CORE A)
- [8] Li Li, Tegawendé F. Bissyandé, Jacques Klein, Yves Le Traon, An Investigation into the Use of Common Libraries in Android Apps, The 23rd IEEE International Conference on Software Analysis, Evolution, and Reengineering (SANER), 2016
- [7] Li Li, Tegawendé F. Bissyandé, Jacques Klein, Yves Le Traon, Parameter Values of Android APIs: A Preliminary Study on 100,000 Apps, The 23rd IEEE International Conference on Software Analysis, Evolution, and Reengineering (SANER), 2016

- [6] Li Li, Daoyuan Li, Alexandre Bartel, Tegawendé F. Bissyandé, Jacques Klein and Yves Le Traon, Towards a Generic Framework for Automating Extensive Analysis of Android Applications, The 31st ACM/SIGAPP Symposium on Applied Computing (SAC), 2016.
- [5] Damien Ochteau, Somesh Jha, Matthew Dering, Patrick McDaniel, Alexandre Bartel, Li Li, Jacques Klein, and Yves Le Traon, Combining Static Analysis with Probabilistic Models to Enable Market-Scale Android Inter-component Analysis, The 43rd Symposium on Principles of Programming Languages (POPL), 2016 (CORE A*)
- [4] Li Li, Alexandre Bartel, Tegawendé Bissyandé, Jacques Klein, Yves Le Traon, Steven Arzt, Siegfried Rasthofer, Eric Bodden, Damien Ochteau and Patrick McDaniel, IccTA: Detecting Inter-Component Privacy Leaks in Android Apps, The 37th International Conference on Software Engineering (ICSE), 2015 (CORE A*)
- [3] Li Li, Alexandre Bartel, Tegawendé Bissyandé, Jacques Klein and Yves Le Traon, ApkCombiner: Combining Multiple Android Apps to Support Inter-App Analysis, The 30th IFIP International Conference on ICT Systems Security and Privacy Protection (IFIP SEC), 2015
- [2] Li Li, Kevin Allix, Daoyuan Li, Alexandre Bartel, Tegawendé F. Bissyandé and Jacques Klein, Potential Component Leaks in Android Apps: An Investigation into a New Feature Set for Malware Detection, The IEEE International Conference on Software Quality, Reliability and Security (QRS), 2015
- [1] Li Li, Alexandre Bartel, Jacques Klein and Yves Le Traon, Automatically Exploiting Potential Component Leaks in Android Applications, The 13th International Conference on Trust, Security and Privacy in Computing and Communications (TrustCom), 2014 (CORE A)

Honors & Awards

- *ACM SIGSOFT Distinguished Paper Award* at ASE 2018
- *The FOSS Impact Paper Award* at MSR 2018
- *The Best Paper Award* at the ERA track of SANER 2016
- *GuangHua scholarship* at Beihang University 2011, 2012
- *Excellent graduate* of Chongqing Municipality (1st / 150) 2010
- *National scholarship* at Southwest University (1st / 100) 2010
- *Second prize* in American Mathematical Modeling Competition 2009
- *Second prize* in National Mathematical Modeling Competition 2009

Professional Service

- *OC co-chair* for A-Mobile 2019 (co-located with ASE 2019)
- *OC co-chair* for AI4Mobile 2019 (co-located with SANER 2019)
- *Artifact Evaluation Committee* for ICSE 2019, ISSTA 2019
- *Social Media Co-Chair* for SANER 2019
- *PC member* for SANER 2019, ICPC 2019, QRS 2019
- *OC co-chair* for A-Mobile 2018 (co-located with ASE 2018)
- *PC member* for ICSME 2018, SATE 2018, ISPEC 2017
- *Reviewer* for ACM Transactions on Software Engineering and Methodology (TOSEM)
- *Reviewer* for IEEE Transactions on Software Engineering (TSE)
- *Reviewer* for IEEE Transactions on Information Forensics & Security (TIFS)

- *Reviewer* for IEEE Transactions on Dependable and Secure Computing (TDSC)
- *Reviewer* for IEEE Transactions on Reliability (TRel)
- *Reviewer* for ACM Transactions on Privacy and Security (TOPS)
- *Reviewer* for Empirical Software Engineering
- *Reviewer* for World Wide Web journal
- *Reviewer* for Journal of Systems and Software
- *Reviewer* for Information and Software Technology
- *Reviewer* for Journal of Software: Evolution and Process
- *Reviewer* for Software: Practice and Experience
- *Reviewer* for Journal of Computer Virology and Hacking Techniques
- *Reviewer* for Pervasive and Mobile Computing
- *Reviewer* for Frontiers of Information Technology & Electronic Engineering