Peipei Jiang

Website: peipei.cool
Email: pp.jiang@my.cityu.edu.hk
Address: MMW2485, 83 Tat Chee
Ave, KLT, Hong Kong

EDUCATION

City University of Hong Kong — Hong Kong ASR, China
Joint Ph.D., Dept. of Computer Science, Advisor: Prof. Cong Wang — 2020–Present

Wuhan University — Wuhan, Hubei, China
Ph.D., School of Cyber Science and Engineering, Advisor: Prof. Qian Wang — 2019–Present

Wuhan University — Wuhan, Hubei, China
B.S. in Information Security, GPA: 3.90/4.00 (Rank: 1/153) — 2015–2019

PUBLICATIONS

Refereed Conference and Workshop Papers

C-1. **Peipei Jiang**, Qian Wang, Jianhao Cheng, Cong Wang, Lei Xu, Xinyu Wang, Yihao Wu, Xiaoyuan Li, and Kui Ren. Boomerang: Metadata-Private Messaging under Hardware Trust. ***USENIX Symposium on Networked Systems Design and Implementation (NSDI'23)***, *April 17-19, 2023.* **Acceptance ratio** = 46/288 = 15.9%.

C-2. Baolin Zheng*, **Peipei Jiang***, Qian Wang, Qi Li, Chao Shen, Cong Wang, Yunjie Ge, Qingyang Teng, and Shengyi Zhang. Black-box Adversarial Attacks on Commercial Speech Platforms with Minimal Information. ***The 28th ACM Conference on Computer and Communications Security (CCS'21)***, *November 15-19, 2021. (*: the first two authors contributed equally to this work).* **Acceptance ratio** = 196/879 = 22%.

Refereed Journal Articles

J-1. **Peipei Jiang**, Qian Wang, Xiu Lin, Man Zhou, Wenbing Ding, Cong Wang, Chao Shen, and Qi Li. Securing Liveness Detection for Voice Authentication via Pop Noises. ***IEEE Transactions on Dependable and Secure Computing (TDSC)***, *accepted, 2022, DOI:10.1109/TDSC.2022.3163024.* **JCR Rank Q1**. **Impact Factor is 7.329**. **Journal ranking** = 3/108=2.78%.

J-2. Dan Liu, Qian Wang, Man Zhou, **Peipei Jiang**, Qi Li, Chao Shen, Cong Wang. SoundID: Securing Mobile Two-Factor Authentication via Acoustic Signals. ***IEEE Transactions on Dependable and Secure Computing (TDSC)***, *accepted, 2022, DOI:10.1109/TDSC.2022.3162718.* **JCR Rank Q1**. **Impact Factor is 7.329**. **Journal ranking** = 3/108=2.78%.

J-3. Man Zhou, Qian Wang, Xiu Lin, Yi Zhao, **Peipei Jiang**, Qi Li, Chao Shen, Cong Wang. PressPIN: Enabling Secure PIN Authentication on Mobile Devices via Structure-Borne Sounds. ***IEEE Transactions on Dependable and Secure Computing (TDSC)***, *accepted, 2022, DOI:10.1109/TDSC.2022.3151889.* **JCR Rank Q1**. **Impact Factor is 7.329**. **Journal ranking** = 3/108=2.78%.

J-4. Minxin Du, Shuangke Wu, Qian Wang, Dian Chen, **Peipei Jiang**, and Aziz Mohaisen. GraphShield: Dynamic Large Graphs for Secure Queries with Forward Privacy. ***IEEE Transactions on Knowledge and Data Engineering (TKDE)***, *Vol 34, No. 7, pp. 3295 - 3308, July 2022.* **JCR Rank Q1**. **Impact Factor is 6.977**. **Journal ranking** = 17/162 = 10.49%.

J-5. **Peipei Jiang**, Qian Wang, Muqi Huang, Cong Wang, Qi Li, Chao Shen, Kui Ren. Building In-the-Cloud Network Functions: Security and Privacy Challenges. ***Proceedings of the IEEE (PIEEE)**, Vol 109, No. 12, pp. 1888 - 1919, Dec. 2021.*
   JCR Rank Q1. **Impact Factor is 10.961**.

J-6. Man Zhou, Qian Wang, Jingxiao Yang, Qi Li, **Peipei Jiang**, Yanjiao Chen, and Zhibo Wang. Stealing Your Android Patterns via Acoustic Signals. ***IEEE Transactions on Mobile Computing (TMC)**, accepted, 2022, DOI:10.1109/TDSC.2022.3151889.*
   JCR Rank Q1. **Impact Factor is 5.577**. **Journal ranking** $= 30/162 = 18.52\%$.

Scholarships and Awards

Scholarships

- National Scholarship for Ph.D Students, 30,000CNY, China   2022
- The First Class Scholarship for Ph.D Students, 6,000CNY, Wuhan University   2022
- Excellent Freshman Scholarship for Postgraduate, Outstanding Award (Top 1), 10,000CNY, Wuhan University 2019
- Cyber Security Scholarship, 30,000CNY, China   2018
- National Scholarship for Undergraduate Students, 8,000CNY, China   2018
- National Scholarship for Undergraduate Students, 8,000CNY, China   2017
- The First Class Scholarship, 3,000CNY, Wuhan University   2016

Awards

- Merit Student, Wuhan University   2021–2022
- Outstanding Undergraduate, Wuhan University   2015–2019
- Pacemaker to Merit Student (Top 1), Wuhan University   2017–2018
- Excellent Student Cadre, Wuhan University   2016–2017
- Merit Student, Wuhan University   2016–2017
- Merit Student, Wuhan University   2015–2016

Teaching

- **Teaching Assistant**, Department of Computer Science, City University of Hong Kong   Spring 2022
  Topics in Cybersecurity (CS4293), Topics on Information Security (CS5293)
- **Teaching Assistant**, Department of Computer Science, City University of Hong Kong   Fall 2021
  Information Security and Management (CS4394), Information Security Technology Management (CS5294)
- **Teaching Assistant**, School of Cyber Science and Engineering, Wuhan University   Spring 2020
  Computer Programming

Services

Reviewer
- IEEE Transactions on Dependable and Secure Computing (TDSC)
- IEEE Transactions on Networking (TON)
- IEEE Internet of Things Journal (IoTJ)