Mengming Li

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Summary

I'm a master student at Zhejiang University's Artificial Intelligent Department and also affiliated with the Institute of Cyberspace Research of Zhejiang University. I have published CCF-A conference and first-authored papers. I'm experienced in C++ and gem5.

Research interests

computer architecture and security, side channel attacks and defenses

Education

Zhejiang University   Zhejiang, China
Master   September 2020 – March 2023 (Expected)
Mentors: Kai Bu. *GPA: 3.8/4*

Guangdong Ocean University   Guangdong, China
Bachelor   September 2016 – June 2020
GPA: 3.72/5

Publications

unXpec: Breaking Undo-based Safe Speculation
Mengming Li, Chenlu Miao, Yilong Yang, Kai Bu.
*The 28th IEEE International Symposium on High-Performance Computer Architecture (**HPCA 2022**).* **(The first HPCA paper from Zhejiang University)**

An approach to Secure Cache against Side-channel Attacks
Mengming Li, Kai Bu, Chenlu Miao.
*The 55th IEEE/ACM International Symposium on Microarchitecture (**MICRO 2022**), Under Review.*

A Scheme to Secure Cache against Cache Coherence Attacks
Chenlu Miao, Kai Bu, **Mengming Li**, Shaowu Mao, Jianwei Jia.
*The 55th IEEE/ACM International Symposium on Microarchitecture (**MICRO 2022**), Under Review.*

A Method to Accelerate Path ORAM
Jingsen Zhu, **Mengming Li**, Xingjian Zhang, Kai Bu, Miao Zhang, Tianqi Song.
*IEEE Transactions on Computers (**TC**), Under Major Revision.*

Honors and scholarships

Excellent Graduate (Guangdong Ocean University)   2020
Second Prize, National Computer Games Tournament
(Chinese Association for Artificial Intelligence)   2018

Skills

Programming
C++, C, Python

Languages
Chinese (native), English (spoken and written)

Tools
Gem5, Latex, Matplotlib