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The Hong Kong Polytechnic University, Hong Kong

EDUCATION

PhD Candidate <i>Department of Computing</i> The Hong Kong Polytechnic University	2021 – Present
Master Degree <i>Cyberspace Security</i> University of Electronic Science and Technology of China	2017 – 2020
Bachelor Degree <i>Information Security</i> University of Electronic Science and Technology of China	2013 – 2017

RESEARCH INTERESTS

Blockchain, Smart Contract Analysis, Network Analysis, Software Engineering

AWARDS

- Best Paper Nominee**, 13th International Symposium on Empirical Software Engineering and Measurement (ESEM), 2019.
- Best Paper Award**, IEEE International Conference on Computer Communications (INFOCOM), 2018.
- Best Paper on Blockchain**, China Computer Federation (CCF) Technical Committee on Block Chain, 2018.
- Best Paper Award**, 13th International Conference on Information Security Practice and Experience (ISPEC), 2017.

PUBLICATIONS

- T. Chen, Y. Zhu, **Z. Li**, J. Chen, X. Li, X. Luo, X. Lin, and X. Zhang, “**Understanding Ethereum via Graph Analysis**”, Proc. of IEEE International Conference on Computer Communications (INFOCOM), Honolulu, USA, April 2018. (**Best Paper Award**)
- T. Chen, **Z. Li**, H. Zhou, J. Chen, X. Luo, X. Li, and X. Zhang, “**Towards Saving Money in Using Smart Contracts**”, Proc. of 40th IEEE International Conference on Software Engineering (ICSE) (NIER), pp. 81-84, Gothenburg, Sweden, May 2018.
- T. Chen, **Z. Li**, Y. Zhu, J. Chen, X. Luo, J. Lui, X. Lin, and X. Zhang, “**Understanding Ethereum via Graph Analysis**”, ACM Transactions on Internet Technology (TOIT), 2020.
- T. Chen, Y. Zhang, **Z. Li**, X. Luo, T. Wang, R. Cao, X. Xiao, and X. Zhang, “**TokenScope: Automatically Detecting Inconsistent Behaviors of Cryptocurrency Tokens in Ethereum**”, Proc. of the 26th ACM Conference on Computer and Communications Security (CCS), London, UK, November 2019.
- T. Chen, **Z. Li**, Y. Zhang, X. Luo, T. Wang, T. Hu, X. Xiao, D. Wang, J. Huang, and X. Zhang, “**A Large-Scale Empirical Study on Control Flow Identification of Smart Contracts**”, Proc. of the International Symposium on Empirical Software Engineering and Measurement (ESEM), Porto de Galinhas, Brazil, September 2019. (**Best Paper Nominee**)
- T. Chen, **Z. Li**, Y. Zhang, X. Luo, A. Chen, K. Yang, B. Hu, T. Zhu, S. Deng, T. Hu, J. Chen, and X. Zhang, “**DataEther: Data Exploration Framework For Ethereum**”, Proc. of the 39th IEEE International Conference on Distributed Computing Systems (ICDCS), Dallas, USA, July 2019.
- T. Chen, Y. Feng, **Z. Li**, H. Zhou, X. Luo, X. Li, X. Xiao, J. Chen and X. Zhang, “**GasChecker: Scalable Analysis for Discovering Gas-Inefficient Smart Contracts**”, IEEE Transactions on Emerging Topics in Computing (TETC), 2020.

T. Chen, X. Li, Y. Wang, J. Chen, **Z. Li**, X. Luo, M. Au, and X. Zhang, **"An Adaptive Gas Cost Mechanism for Ethereum to Defend Against Under-Priced DoS Attacks"**, Proc. of 13th International Conference on Information Security Practice and Experience (ISPEC), pp. 3-24, Melbourne, Australia, December 2017. **(Best Paper Award)**