Curriculum Vitae

Liang Cheng

Department of Computer & Information Sciences
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Employment

Visiting Professor, Department of Computer & Information Sciences, University of Pennsylvania, 2014.1–2015.1

Associate Professor, Institute of Software, Chineses Academy of Sciences, 2013–present

Assistant Professor, Institute of Software, Chineses Academy of Sciences, 2009–2013

Education

Ph.D., Computer Science, University of Science and Technology of China, 2009
　　Dissertation: *Research on Verification of Secure Operating Systems Using Model Checking*

B.E., Electronic Engineering, University of Science and Technology of China, 2003

Area of Specialization

Metaphysics, Medieval Philosophy

Research

Publications

1. INDIO: effective integer overflow detection in binary code, ZHANG Yang, DENG Yi, CHENG Liang, SUN Xiaoshan. Chinese Science Bulletin (peer review).
2. Evaluating and comparing the quality of access control in different operating systems, Liang Cheng; Yang Zhang; Zhihui Han; Yi Deng; Xiaoshan Sun; Dengguo Feng. Computers & Security, (accepted).
3. A Covert Timing Channel via Algorithmic Complexity Attacks: Design and Analysis. Xiaoshan Sun, Liang Cheng, and Yang Zhang. In Proceedings of 2011 IEEE International Conference on Communications (ICC'11), pp. 1-5, 2011.

Funded Projects

Research on Logic-Driven Evaluation of Multiple Operating System Security Mechanisms
Research on Cloud Computing-Oriented Unified Security Mechanisms
Research on Cross-Platform Formal Verification of Security Mechanisms in Operating Systems