Biographical Sketch

Jian Xiang

Assistant Professor
Software and Information System
College of Computing and Informatics
University of North Carolina at Charlotte
Room 330D, Woodward Hall, 8812 Craver Rd, Charlotte, NC 28223

jian.xiang@charlotte.edu
Personal Webpage
Office: +1 (704) 687-0872

Professional Preparation

Ph.D., Computer Science	University of Virginia, Charlottesville, VA	2016
M.E., Software Engineering	Tsinghua University, Beijing, China	2008
B.S., Electronic Engineering	Huazhong Uni. of Sci. and Tech., Wuhan, China	2005

Appointment History

Assistant Professor	UNC Charlotte, Charlotte, NC	Aug.2023–Present
Research Associate	Harvard University, Cambridge/Allston, MA	Sep.2020–Aug.2023
Postdoctoral Researcher	Harvard University, Cambridge, MA	Sep.2017-Aug.2020
Postdoctoral Researcher	University of Virginia, Charlottesville, VA	Aug.2016-May.2017

Cybersecurity Research Interests

Security Analysis: program analysis, formal methods and verification

Five (5) Recent Publications in Cybersecurity-Related Research

- *Quantitative Robustness Analysis of Sensor Attacks on Cyber-Physical Systems*. ACM International Conference on Hybrid Systems: Computation and Control (HSCC), May 2023. S. Chong, R. Lanotte, Massimo Merro, S. Tini, and J. Xiang (all authors contributed equally). https://dl.acm.org/doi/pdf/10.1145/3575870.3587118
- *Relational Analysis of Sensor Attacks on Cyber-Physical Systems*. IEEE Computer Security Foundations Symposium (CSF), June 2021. J. Xiang, N. Fulton, and S. Chong. https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=9505198
- *Co-Inflow: Coarse-grained Information Flow Control for Java-like Languages*. IEEE Symposium on Security and Privacy (S&P), May 2021.
  J. Xiang and S. Chong. https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=9519397

SYNERGISTIC ACTIVITIES

Program Committee

- *Program Committee*: Workshop on Programming Languages and Analysis for Security (PLAS'21), ACM Conference on Architectural Support for Programming Languages and Operating Systems (ASPLOS'25)
- *Journal Reviewer*: ACM Transactions on Programming Languages and Systems (TOPLAS'22)

Invited Talk

- *Co-Inflow: Coarse-grained Information Flow Control for Java-like Languages*
  Amazon AWS Privacy Engineering Seminar, 2023
- *Co-Inflow: Coarse-grained Information Flow Control for Java-like Languages*
  NIO.io Security Seminar, 2023