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清华大学网络科学与网络空间研究院 博士研究生

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教育经历

2017 年至今：博士研究生，网络空间安全

清华大学，网络科学与网络空间研究院，网络与信息安全实验室（NISL）

导师：段海新教授、吴建平教授

研究方向：网络基础设施安全、互联网测量

2013 至 2017 年：工学学士，信息安全

北京邮电大学，网络空间安全学院

综合成绩排名：2/89，获 2017 年北京市普通高等学校优秀毕业生

已发表学术成果

会议论文（Conference Papers）

- [9] [\[NDSS '21\]](#) [Chaoyi Lu](#), Baojun Liu, Yiming Zhang, Zhou Li, Fenglu Zhang, Haixin Duan, Ying Liu, Joann Chen, Jinjin Liang, Zaifeng Zhang, Shuang Hao and Min Yang. **From WHOIS to WHOWAS: A Large-Scale Measurement Study of Domain Registration Privacy under the GDPR**. To appear in the Network and Distributed System Security Symposium 2021, Virtual event, February 2021.
 - [8] [\[USENIX Security '21\]](#) Kaiwen Shen, Chuhan Wang, Xiaofeng Zheng, Minglei Guo, [Chaoyi Lu](#), Baojun Liu, Yuxuan Zhao, Shuang Hao, Haixin Duan, Qingfeng Pan and Min Yang. **Weak Links in Authentication Chains: A Large-scale Analysis of Email Sender Spoofing Attacks**. To appear in the 30th USENIX Security Symposium, Vancouver, BC, Canada, August 2021.
 - [7] [\[CCS '20\]](#) Mingming Zhang, Xiaofeng Zheng, Kaiwen Shen, Ziqiao Kong, [Chaoyi Lu](#), Yu Wang, Haixin Duan, Shuang Hao, Baojun Liu and Min Yang. **Talking with Familiar Strangers: An Empirical Study on HTTPS Context Confusion Attacks**. In Proceedings of the 27th ACM Conference on Computer and Communications Security, Virtual event, November 2020.
 - [6] [\[CCS '20\]](#) Yiming Zhang, Baojun Liu, [Chaoyi Lu](#), Zhou Li, Haixin Duan, Shuang Hao, Mingxuan Liu, Ying Liu, Dong Wang and Qiang Li. **Lies in the Air: Characterizing Fake-base-station Spam Ecosystem in China**. In Proceedings of the 27th ACM Conference on Computer and Communications Security, Virtual event, November 2020.
 - [5] [\[USENIX Security '20\]](#) Xiaofeng Zheng, [Chaoyi Lu](#), Jian Peng, Qiushi Yang, Dongjie Zhou, Baojun Liu, Keyu Man, Shuang Hao, Haixin Duan and Zhiyun Qian. **Poison Over Troubled Forwarders: A Cache Poisoning Attack Targeting DNS Forwarding Devices**. In Proceedings of the 29th USENIX Security Symposium, Virtual event, August 2020.
 - [4] [\[IMC '19\]](#) [Chaoyi Lu](#), Baojun Liu, Zhou Li, Shuang Hao, Haixin Duan, Mingming Zhang, Chunying Leng, Ying Liu, Zaifeng Zhang and Jianping Wu. **An End-to-End, Large-Scale Measurement of DNS-over-Encryption: How Far Have We Come?**. In Proceedings of the Internet Measurement Conference, Amsterdam, Netherlands, October 2019.
- 互联网研究任务组应用网络研究奖（IRTF ANRP）获奖论文
 - IMC 会议最佳论文奖提名论文、社区贡献奖提名论文

- [3] [\[EuroS&P '19\]](#) Baojun Liu, Zhou Li, Peiyuan Zong, [Chaoyi Lu](#), Haixin Duan, Ying Liu, Sumayah Alrwais, XiaoFeng Wang, Shuang Hao, Yaoqi Jia, Yiming Zhang, Kai Chen and Zaifeng Zhang. **TrafficStop: Detecting and Measuring Illicit Traffic Monetization Through Large-scale DNS Analysis**. In Proceedings of the 4th IEEE European Symposium on Security and Privacy, Stockholm, Sweden, June 2019.
- [2] [\[USENIX Security '18\]](#) Baojun Liu, [Chaoyi Lu](#), Haixin Duan, Ying Liu, Zhou Li, Shuang Hao and Min Yang. **Who Is Answering My Queries: Understanding and Characterizing Interception of the DNS Resolution Path**. In Proceedings of the 27th USENIX Security Symposium, Baltimore, MD, USA, August 2018.
- [1] [\[DSN '18\]](#) Baojun Liu, [Chaoyi Lu](#), Zhou Li, Ying Liu, Haixin Duan, Shuang Hao and Zaifeng Zhang. **A Reexamination of Internationalized Domain Names: the Good, the Bad and the Ugly**. In Proceedings of the 48th IEEE/IFIP International Conference on Dependable Systems and Networks, Luxembourg City, Luxembourg, June 2018.

工作组会议论文 (Workshop Paper)

- [1] [\[FOCI '18\]](#) Mingming Zhang, Baojun Liu, [Chaoyi Lu](#), Jia Zhang, Shuang Hao and Haixin Duan. **Measuring Privacy Threats in China-Wide Mobile Networks**. 8th USENIX Workshop on Free and Open Communications on the Internet, Baltimore, MD, USA, August 2018.

互联网社区和工业界会议 (Industrial and Community Conferences)

- [2] **An End-to-End, Large-Scale Measurement of DNS-over-Encryption: How Far Have We Come?**
[\[IETF 108\]](#) IRTF Open Meeting, IETF 108 Online, July 2020.
[\[OARC 31\]](#) DNS-OARC Workshop, Austin, TX, USA, October 2019.
- [1] **Who Is Answering My Queries: Understanding and Characterizing Interception of the DNS Resolution Path**
[\[ANRW '19\]](#) Applied Networking Research Workshop, Montreal, Quebec, Canada, July 2019.
[\[OARC 30\]](#) DNS-OARC Workshop, Bangkok, Thailand, May 2019.

外部审稿人

NDSS 2020, DSN 2020, CCS 2019, ESORICS 2019, ICICS 2019, IoT S&P 2018, RESEC 2018
IEEE TNSM 2020

获奖情况

学术奖项

互联网研究任务组应用网络研究奖 (IRTF ANRP), 2020 年
DSN 学生参会奖励金 (Student Grant), 2018 年

奖学金、学科竞赛及其他

清华大学研究生综合一等奖学金, 2020 年
中国互联网发展基金会网络安全奖学金, 2016 年
北京邮电大学一等奖学金、二等奖学金, 2014/2015/2016 年
第五届下一代互联网技术创新大赛甲组一等奖, 2019 年
中国计算机学会大学生计算机系统与程序设计竞赛 (CCF CCSP) 铜奖, 2016 年
全国大学生信息安全竞赛作品赛二等奖, 2016 年
美国大学生数学建模竞赛 (MCM/ICM) 二等奖 (Honorable Mention), 2016 年
北京市高等学校优秀毕业生, 2017 年