

# 陆超逸 Chaoyi Lu

清华大学网络科学与网络空间研究院 博士后

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## 教育经历 Education

### 2017 至 2022 年：清华大学，工学博士（网络空间安全）

导师：吴建平 教授      博士学位论文：《互联网域名体系安全技术测量研究》

获 2022 年清华大学优秀博士学位论文      (比例 222/2420=9.2%)

获 2022 年清华大学优秀博士毕业生      (比例 96/2420=4.0%)

获 2022 年北京市普通高等学校优秀毕业生      (比例 134/2420=5.5%)

### 2013 至 2017 年：北京邮电大学，工学学士（信息安全）

获 2017 年北京市普通高等学校优秀毕业生

## 学术成果 Publications

◇ 共发表会议论文 14 篇（其中 9 篇发表于领域国际顶级学术会议）、行业标准 1 项、发明专利 1 项

### 会议论文 Conference Papers

- [1] [USENIX Sec '23] X. Li, **Chaoyi Lu**, B. Liu, Q. Zhang, Z. Li, et al. *The Maginot Line: Attacking the Boundary of DNS Caching Protection*. To appear in Proceedings of the 32nd USENIX Security Symposium, Anaheim, CA, USA, August 2023.
- [2] [EthiCS '22] Y. Zhang, M. Liu, M. Zhang, **Chaoyi Lu**, H. Duan. *Ethics in Security Research: Visions, Reality, and Paths Forward*. Accepted to the 1st International Workshop on Ethics in Computer Security. June 2022.  
◇ 最佳学生论文奖 (Best Student Paper) 获奖论文 (比例: 1/5)
- [3] [PAM '22] F. Zhang, **Chaoyi Lu**, B. Liu, H. Duan, Y. Liu. *Measuring the Practical Effect of DNS Root Server Instances: A China-Wide Case Study*. In Proceedings of the 23rd Passive and Active Measurement Conference. March 2022.
- [4] [CCS '21] Y. Zhang, B. Liu, **Chaoyi Lu**, Z. Li, H. Duan, et al. *Rusted Anchors: A National Client-Side View of Hidden Root CAs in the Web PKI Ecosystem*. In Proceedings of the 28th ACM Conference on Computer and Communications Security, November 2021.
- [5] [NDSS '21] **Chaoyi Lu**, B. Liu, Y. Zhang, Z. Li, F. Zhang, et al. *From WHOIS to WHOWAS: A Large-Scale Measurement Study of Domain Registration Privacy under the GDPR*. In Proceedings of the 28th Network and Distributed System Security Symposium, February 2021.  
◇ 收录于欧洲议会网络犯罪办公室、瑞典国家网络安全响应中心 (CERT-SE) 的安全周报
- [6] [USENIX Sec '21] K. Shen, C. Wang, X. Zheng, M. Guo, **Chaoyi Lu**, et al. *Weak Links in Authentication Chains: A Large-scale Analysis of Email Sender Spoofing Attacks*. In Proceedings of the 30th USENIX Security Symposium, August 2021.
- [7] [CCS '20a] M. Zhang, X. Zheng, K. Shen, Z. Kong, **Chaoyi Lu**, et al. *Talking with Familiar Strangers: An Empirical Study on HTTPS Context Confusion Attacks*. In Proceedings of the 27th ACM Conference on Computer and Communications Security, November 2020.

- [8] **[CCS '20b]** Y. Zhang, B. Liu, **Chaoyi Lu**, Z. Li, H. Duan, et al. *Lies in the Air: Characterizing Fake-base-station Spam Ecosystem in China*. In Proceedings of the 27th ACM Conference on Computer and Communications Security, November 2020.
- [9] **[USENIX Sec '20]** X. Zheng, **Chaoyi Lu**, J. Peng, Q. Yang, D. Zhou, et al. *Poison Over Troubled Forwarders: A Cache Poisoning Attack Targeting DNS Forwarding Devices*. In Proceedings of the 29th USENIX Security Symposium, August 2020.  
◇ 互联网社区会议报告: ICANN DNS Symposium 2021
- [10] **[IMC '19]** **Chaoyi Lu**, B. Liu, Z. Li, S. Hao, H. Duan, et al. *An End-to-End, Large-Scale Measurement of DNS-over-Encryption: How Far Have We Come?*. In Proceedings of the 19th Internet Measurement Conference, October 2019.  
◇ 国际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 (比例: 3/39) 和社区贡献奖提名论文 (比例: 2/39)  
◇ 互联网社区会议报告: IETF 108 大会、DNS-OARC 31
- [11] **[EuroS&P '19]** B. Liu, Z. Li, P. Zong, **Chaoyi Lu**, H. Duan, et al. *TraffickStop: Detecting and Measuring Illicit Traffic Monetization Through Large-scale DNS Analysis*. In Proceedings of the 4th IEEE European Symposium on Security and Privacy, June 2019.
- [12] **[USENIX Sec '18]** B. Liu, **Chaoyi Lu**, H. Duan, Y. Liu, Z. Li, et al. *Who Is Answering My Queries: Understanding and Characterizing Interception of the DNS Resolution Path*. In Proceedings of the 27th USENIX Security Symposium, August 2018.  
◇ 互联网社区会议报告: ACM/IRTF ANRW '19、DNS-OARC 30
- [13] **[DSN '18]** B. Liu, **Chaoyi Lu**, Z. Li, Y. Liu, H. Duan, et al. *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, June 2018.
- [14] **[FOCI '18]** M. Zhang, B. Liu, **Chaoyi Lu**, J. Zhang, S. Hao, et al. *Measuring Privacy Threats in China-Wide Mobile Networks*. Accepted to the 8th USENIX Workshop on Free and Open Communications on the Internet, August 2018.

## 标准专利 Standards & Patents

- [15] **陆超逸**, 黄友俊, 张甲, 段海新, 马迪等. 加密域名系统技术要求. 中华人民共和国通信行业标准 (项目号: 2020-1877T-YD, 报批稿于 2021 年经中国通信标准化协会公示通过)
- [16] 张一铭, 刘保君, **陆超逸**, 段海新, 李家琛, 刘武. 一种网络访问安全性检测方法及装置. 中华人民共和国专利 (申请号: 202111284859.6)

## 奖励荣誉 Awards

2022 年	北京市优秀毕业生、清华大学优秀博士毕业生、清华大学优秀博士学位论文
2020 年	国际互联网研究任务组应用网络研究奖 (IRTF ANRP)
2020/2021 年	清华大学研究生综合一等奖学金
2019 年	ACM IMC 会议最佳论文奖提名、社区贡献奖提名
2019 年	第五届下一代互联网技术创新大赛甲组一等奖
2018 年	IEEE/IFIP DSN 会议学生奖励金 (Student Grant)
2016 年	中国互联网发展基金会网络安全奖学金

## 学术服务 Services

会议外部审稿: NDSS '22 & '20, ICDCS '21, DSN '20, CCS '19, ESORICS '19, ICICS '19  
期刊外部审稿: IEEE TNSM 2020