**陆超逸** Chaoyi Lu

清华大学网络科学与网络空间研究院 博士研究生

北京市海淀区清华大学FIT楼4-204室

lcy17@mails.tsinghua.edu.cn • https://chaoyi.lu • (+86) 13269493962

**教育经历** Education

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 导师：吴建平 教授

研究方向：网络安全（Network security）、互联网测量（Internet measurement）

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 成绩排名：2/89

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13篇（其中8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

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| [1] | **[EthiCS ’22]** Y. Zhang, M. Liu, M. Zhang, **Chaoyi Lu**, H. Duan. ***Ethics in Security Research: Visions, Reality, and Paths Forward*.** To appear in the 1st International Workshop on Ethics in Computer Security. June 2022. |
| [2] | **[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. |
| [3] | **[CCS ’21]** Y. Zhang, B. Liu, **Chaoyi Lu**, Z. Li, H. Duan, J. Li, Z. Zhang. ***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. |
| [4] | **[NDSS ’21] Chaoyi Lu**, B. Liu, Y. Zhang, Z. Li, F. Zhang, H. Duan, Y. Liu, J. Q. Chen, J. Liang, Z. Zhang, S. Hao, M. Yang. ***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 |
| [5] | **[USENIX Sec ’21]** K. Shen, C. Wang, X. Zheng, M. Guo, **Chaoyi Lu**, B. Liu, Y. Zhao, S. Hao, H. Duan, Q. Pan, M. Yang. ***Weak Links in Authentication Chains: A Large-scale Analysis of Email Sender Spoofing Attacks.*** In Proceedings of the 30th USENIX Security Symposium, August 2021. |
| [6] | **[CCS ’20a]** M. Zhang, X. Zheng, K. Shen, Z. Kong, **Chaoyi Lu**, Y. Wang, H. Duan, S. Hao, B. Liu, M. 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, November 2020. |
| [7] | **[CCS ’20b]** Y. Zhang, B. Liu, **Chaoyi Lu**, Z. Li, H. Duan, S. Hao, M. Liu, Y. Liu, D. Wang, Q. 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, November 2020. |

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| [8] | **[USENIX Sec ’20]** X. Zheng, **Chaoyi Lu**, J. Peng, Q. Yang, D. Zhou, B. Liu, K. Man, S. Hao, H. Duan, Z. Qian. ***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 |
| [9] | **[IMC ’19]** **Chaoyi Lu**, B. Liu, Z. Li, S. Hao, H. Duan, M. Zhang, C. Leng, Y. Liu, Z. Zhang, J. Wu. ***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 |
| [10] | **[EuroS&P ’19]** B. Liu, Z. Li, P. Zong, **Chaoyi Lu**, H. Duan, Y. Liu, S. Alrwais, X. Wang, S. Hao, Y. Jia, Y. Zhang, K. Chen, Z. Zhang. ***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. |
| [11] | **[USENIX Sec ’18]** B. Liu, **Chaoyi Lu**, H. Duan, Y. Liu, Z. Li, S. Hao, M. Yang. ***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 |
| [12] | **[DSN ’18]** B. Liu, **Chaoyi Lu**, Z. Li, Y. Liu, H. Duan, S. Hao, Z. 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, June 2018. |
| [13] | **[FOCI ’18]** M. Zhang, B. Liu, **Chaoyi Lu**, J. Zhang, S. Hao, H. Duan. ***Measuring Privacy Threats in China-Wide Mobile Networks.*** Accepted to the 8th USENIX Workshop on Free and Open Communications on the Internet, August 2018. |

**行业标准** Industrial Standard

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| [14] | **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  （报批稿于2021年经中国通信标准化协会公示通过） |

**发明专利** Patent

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| [15] | 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

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| 2020年 | 国际互联网研究任务组应用网络研究奖（IRTF ANRP） |
| 2020和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