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RESEARCH INTERESTS

- ◇ Game Theory and Mechanism Design
- ◇ Reputation Systems
- ◇ Multi-Agent Reinforcement Learning
- ◇ Network Security

EDUCATION BACKGROUND

Guangzhou University (3rd in China for Cybersecurity), Guangzhou, China 9/2026 | Now
Cyber Institute of Advanced Technology (Headed by Academician Binxing Fang) Advisor: Prof. Yuan Liu
Ph.D. in Cybersecurity

Guangzhou University, Guangzhou, China 9/2023 | 6/2026
Cyber Institute of Advanced Technology Advisor: Prof. Yuan Liu
M.Sc. in Network and Information Security

Jiaying University, Meizhou, China 9/2020 | 6/2022
School of Computer Science
B.Sc. in Computer Science and Technology

PUBLICATIONS

- Chenlu Zhuansun[†], **Yiji Lin**[†], Yuan Liu*, Binxing Fang, Zhihong Tian*, “No-answer Puzzle: A Curiosity-driven Attacker Model and Motivation Inference for APT in Cybersecurity of Major Events” , SCIENTIA SINICA Informationis, 2026. (Co-First author, CCF-A)
- Pengdeng Li[†], **Yiji Lin**[†], Chenlu Zhuansun, Binxing Fang, Yuan Liu*, Zhihong Tian*, “HoneyCenter: A Honeypoint IP Mutation Strategy Optimization Based on Multi-Agent Reinforcement Learning” , IEEE Transactions on Computational Social Systems(TCSS), 2026. (Co-First author, CCF-C)
- Yitong Yao[†], **Yiji Lin**[†], Qinglin Yang*, Pengdeng Li, Yuan Liu, Zhihong Tian, “Chameleon: A Deception Defense Strategy Against LLM-Assisted Attacker in New Power Systems” , 2026 IEEE International Conference on Joint Cloud Computing (JCC), 2026. (Co-First author, CCF-C)
- Zhipeng Lei, Yuan Zhou, **Yiji Lin***, Yuan Liu*, “A comprehensive quality assessment model for cyber threat intelligence” , International Conference on Cloud and Network Computing (ICCNC 2026). (**Corresponding author**)
- Qingyuan Li, Chenlu Zhuansun, **Yiji Lin**, Qinglin Yang, Pengdeng Li, Yuan Liu, Zhihong Tian. “When Reputation Meets Auction: A Dual Incentive Mechanism for Mitigating Clean Label Attack in Data Trading Markets,” in IEEE International Conference on Data Science in Cyberspace (DSC) 2025.
- Pengdeng Li, Siying Li, **Yiji Lin**, Chenlu Zhuansun, Qinglin Yang, Yuan Liu*, Zhihong Tian*, “A4DIoT: Multi-AI Agent Adversarial-Based Active Defense Framework for Securing Large-Scale IoT Network” . (In submission)
- Qiwei Liu[†], **Yiji Lin**[†], Chenlu Zhuansun*, Yuan Liu*, “Fine-Grained Reputation Thresholds for Major Events: A KG-LLM Approach” , IEEE Globecom. (Co-first author, In submission)
- **Yiji Lin**, Kaifeng Meng, Yinsheng Wang, Bainian Wu, Yuan Liu, “An IP Reputation Model Based on Double Grained Analysis of Malicious Behavior in Energy Internet” , Netinfo Security. (In submission)

PATENTS (Title Translated from Chinese)

- Y. Liu; X. Yi; P. Li; **Y. Lin** et al. “A Malicious Traffic Data Augmentation Method Based on Multi-Startpoint Diffusion Strategy” , CN121864468A, 2026-04-14.
- Q. Yang; Y. Liu; Y. Yao; Y. Lin et al. “Intelligent target deployment method and system for power scene APT attack” , CN121603304B, 2026-04-10.
- Y. Liu, **Y. Lin** et al. “A Method for IP Grey Reputation Assessment” , No.CN122027347A, 2026-5-12
- Z. Tian, Y. Liu, **Y. Lin** et al. “Offline Reinforcement Learning-Based Optimization of Deception Defense Strategies” , No.202511144907.X, 2025-08-15.
- Y. Liu, **Y. Lin** et al. “A malicious entity identification method based on subjective logical reputation”, No. CN120602213A, 2025-09-05.
- Z. Tian, B. Fang, Y. Liu, **Y. Lin** et al. “Pre-early warning method for security attack of important active network” , No.CN120785661A, 2025-10-14.
- Y. Liu, Q. Li, **Y. Lin** et al. “A data trading market incentive method integrating reputation and auction strategies” , No.CN120410697A, 2025-08-01.
- Z. Tian, Y. Liu, **Y. Lin** et al. “Honey spot address mutation decision method, system and readable storage medium” , No.CN120090879A, 2025-06-03.
- Y. Liu, Z. Tian, **Y. lin** et al., “Network defense method, system and readable storage medium based on game model” , No.CN119011243A, No.CN119011243A, 2024-11-22.
- Z. Tian, B. Fang, Y. Liu, L. Sun, **Y. Lin** et al. “A network security protection method based on signaling game” , No.CN118764267A, 2024-10-11.

PROGRAMMING PROJECT

Core Developer for Reputation System in *DunLiFang*

Guangzhou, China

Designed and implemented the Reputation System in *DunLiFang*. *DunLiFang* is led by Academician Binxing Fang.

SOFTWARE COPYRIGHT

- DunLiFang-Reputation System 2.0(Translated from Chinese), 2025SR1695922, Authorized.

AWARDS

- China National Scholarship, by the Ministry of Education of China. 10/2025
- The First Prize Scholarship at Guangzhou University. 10/2024