KUN YAN PH.D. STUDENT

(+86) 182-9290-6928
kyan@stu.xidian.edu.cn
https://quinyim.github.io

EDUCATION

Xidian University Xi'an, China
Ph.D. in Cryptography Aug. 2021 - Jun. 2025
- Advisor: Prof. Wenping Ma
- Research area: 6G networks, Evolutionary algorithm, and Blockchain

Xidian University Xi'an, China
M.S. in Information and Communications Engineering Aug. 2019 - Aug. 2021
- Advisor: Prof. Ping Zeng
- Research area: Internet of Vehicles and Blockchain

Xi'an University of Technology Xi'an, China
B.S. in Internet of Things Engineering Aug. 2015 - Jun. 2019
- Advisor: Assoc. Prof. Kan Wang
- Research area: Internet of Things and Data Monitoring

RESEARCH INTERESTS

6G Networks: distributed network management, resource sharing, security and privacy.

Blockchain: consensus mechanisms, distributed network applications.

Internet of things: resource management, information sharing, distributed security.

PUBLICATIONS

1. **Kun Yan**, Wenping Ma, and Shaohui Sun, "Communications and Networks Resources Sharing in 6G: Challenges, Architecture, and Opportunities," in *IEEE Wireless Communications*, early access, 2024. doi: 10.1109/MWC.003.2400038. (IF=10.9)

2. **Kun Yan**, Wenping Ma, Qi Yang, Shaohui Sun, and Weiwei Wang, "Info-Chain: Reputation-Based Blockchain for Secure Information Sharing in 6G Intelligent Transportation Systems," in *IEEE Internet of Things Journal*, vol. 11, no. 5, pp. 9198-9212, Mar. 2024. doi: 10.1109/JIOT.2023.3323011. (IF=10.6)

3. **Kun Yan**, Ping Zeng, Kan Wang, Wenping Ma, Geng Zhao, and Yingjie Ma, "Reputation Consensus-Based Scheme for Information Sharing in Internet of Vehicles," in *IEEE Transactions on Vehicular Technology*, vol. 72, no. 10, pp. 13631-13636, Oct. 2023. doi: 10.1109/TVT.2023.3237215. (IF=6.8)

4. **Kun Yan**, Wenping Ma, Shaohui Sun, and Weiwei Wang, "Blockchain-Based Dynamic Spectrum Sharing for Service-Centric 6G Networks: An Evolutionary Approach," in *IEEE Transactions on Network Science and Engineering*, Under Review.

5. **Kun Yan**, Wenping Ma, and Shaohui Sun, "BECS: A Privacy-Preserving Computing Sharing Mechanism in 6G Computing Power Network," in *IEEE Transactions on Wireless Communications*, Under Review.

PROJECTS

Research on Key Technologies for Mobile Communication Network Security
Datang Mobile Communications Equipment Co., Ltd Nov. 2021 - Oct. 2024
- Security Threats and Requirements in 6G Networks
- Applications of Blockchain in 6G Security
- Applications of Blockchain and Artificial Intelligence in 6G Resource Management

Research on Security Collaborative Defense Technology for Wind Power Internet Intelligent Manufacturing
Shaanxi Provincial Science and the Technology Department Jan. 2022 - Dec. 2024
- Security, Trust, and Privacy Protection of Data in Distributed Networks
- Blockchain-Based Distributed Information Sharing

AWARDS AND HONORS	• **National Scholarship**, China Nov. 2024 • **The First Prize Academic Scholarship**, Xidian University Oct. 2023 • **The Third Prize of National Cryptography Contest**, Chinese Association for Cryptologic Research Aug. 2022

SKILLS

Languages: Chinese, English.

Programming: `Golong`, `C++`, `Python`, `MATLAB`.

ACADEMIC SERVICES

Reviewers for: *IEEE Internet of Things Journal*,
IEEE Communications Letters,
IEEE Consumer Electronics Magazine.

Last updated: Nov. 2024