

EDUCATION	<b>Xidian University</b> <i>Ph.D. in Cryptography</i> • Research Area: 6G Networks, Evolutionary Algorithm, and Blockchain	Xi'an, China Aug. 2021 - Jun. 2025
	<b>Xidian University</b> <i>M.E. in Information and Communications Engineering</i> • Research Area: Internet of Vehicles and Blockchain	Xi'an, China Aug. 2019 - Aug. 2021
	<b>Xi'an University of Technology</b> <i>B.E. in Internet of Things Engineering</i> • Research Area: Internet of Things and Data Monitoring	Xi'an, China Aug. 2015 - Jun. 2019
RESEARCH INTERESTS	<b>6G Networks:</b> resource sharing, multi-objective optimization, security and privacy. <b>Blockchain:</b> consensus mechanisms, distributed network management. <b>Internet of things:</b> resource management, information sharing, distributed security.	
PUBLICATIONS	<ol style="list-style-type: none"> <li>1. <b>Kun Yan</b>, Wenping Ma, and Shaohui Sun, "Communications and Networks Resources Sharing in 6G: Challenges, Architecture, and Opportunities," in <i>IEEE Wireless Communications</i>, early access, 2024. doi: 10.1109/MWC.003.2400038. (IF=10.9)</li> <li>2. <b>Kun Yan</b>, Wenping Ma, Qi Yang, Shaohui Sun, and Weiwei Wang, "Info-Chain: Reputation-Based Blockchain for Secure Information Sharing in 6G Intelligent Transportation Systems," in <i>IEEE Internet of Things Journal</i>, vol. 11, no. 5, pp. 9198-9212, Mar. 2024. doi: 10.1109/JIOT.2023.3323011. (IF=10.6)</li> <li>3. <b>Kun Yan</b>, Ping Zeng, Kan Wang, Wenping Ma, Geng Zhao, and Yingjie Ma, "Reputation Consensus-Based Scheme for Information Sharing in Internet of Vehicles," in <i>IEEE Transactions on Vehicular Technology</i>, vol. 72, no. 10, pp. 13631-13636, Oct. 2023. doi: 10.1109/TVT.2023.3237215. (IF=6.8)</li> <li>4. <b>Kun Yan</b>, Wenping Ma, Shaohui Sun, and Weiwei Wang, "Blockchain-Based Dynamic Spectrum Sharing for Service-Centric 6G Networks: An Evolutionary Approach," in <i>IEEE Transactions on Network Science and Engineering</i>, Under Review.</li> <li>5. <b>Kun Yan</b>, Wenping Ma, and Shaohui Sun, "BECS: A Privacy-Preserving Computing Sharing Mechanism in 6G Computing Power Network," in <i>IEEE Transactions on Wireless Communications</i>, Under Review.</li> </ol>	
PROJECTS	<b>Research on Key Technologies for Mobile Communication Network Security</b> <i>Datang Mobile Communications Equipment Co., Ltd</i> • Security Threats and Requirements in 6G Networks • Applications of Blockchain in 6G Security • Applications of Blockchain and Artificial Intelligence in 6G Resource Management	Nov. 2021 - Oct. 2024
	<b>Research on Security Collaborative Defense Technology for Wind Power Internet Intelligent Manufacturing</b> <i>Shaanxi Provincial Science and the Technology Department</i> • Security, Trust, and Privacy Protection of Data in Distributed Networks • Blockchain-Based Distributed Information Sharing	Jan. 2022 - Dec. 2024

TEACHING EXPERIENCE	<b>Teaching Assistant in Modern Cryptography</b> <i>School of Telecommunications Engineering, Xidian University</i>	Jun. 2022
	<ul style="list-style-type: none"> <li>Introducing the research and application of blockchain</li> </ul>	
	<b>Teaching Assistant in Random Signal Analysis and Applications</b> <i>School of Telecommunications Engineering, Xidian University</i>	May. 2024
	<ul style="list-style-type: none"> <li>Introduction to spectrum sharing and management methods based on artificial intelligence, blockchain and other technologies</li> </ul>	
RESEARCH EXPERIENCE	<b>Supervision of Undergraduate and Master's Theses</b> <i>School of Telecommunications Engineering, Xidian University</i>	Nov. 2021 - Jun. 2024
	<ul style="list-style-type: none"> <li>Guiding undergraduate and master's students in blockchain-related research and supervising their thesis work based on this research.</li> </ul>	
	<b>Research Assistant in Exploration of 6G Networks and Blockchain Technology</b> <i>Datang Mobile Communications Equipment Co., Ltd</i>	Apr. 2023 - Oct. 2024
	<ul style="list-style-type: none"> <li>Research on distributed service security in 6G networks and blockchain-based network management.</li> </ul>	
AWARDS AND HONORS	<b>National Scholarship</b> <i>Ministry of Education of the People's Republic of China</i>	Nov. 2024
	<b>First Prize Academic Scholarship</b> <i>Xidian University</i>	Oct. 2023
	<b>Third Prize of the First National Cryptography Contest</b> <i>Chinese Association for Cryptologic Research</i>	Aug. 2022
SKILLS	<b>Languages:</b> Chinese, English. <b>Programming:</b> GoLang, C++, MATLAB, Python.	
ACADEMIC SERVICES	<b>Reviewers for:</b> <i>IEEE Internet of Things Journal,</i> <i>IEEE Communications Letters,</i> <i>IEEE Consumer Electronics Magazine.</i>	
REFERENCES	<b>Wenping Ma</b>	Professor of Information and Communications Engineering Xidian University wp_ma@mail.xidian.edu.cn
	<b>Changhua Zhu</b>	Associate Professor of Information and Communications Engineering Xidian University chhzhu@xidian.edu.cn
	<b>Kan Wang</b>	Associate Professor of Computer Science and Engineering Xi'an University of Technology wangkan@xaut.edu.cn

*Last updated: Nov. 2024*