

Guoqing Hu



E-mail:huking@pku.edu.cn

E-mail:hukingkkk@163.com

Research Interests

Digital Economy, Macroeconomics, Digital Transformation, New Quality Productive Forces, Internet of Things (IoT), Internet of Vehicles (IoV), Big Data, Blockchain, Digital Twin, Digital Human, Digital Currency, Cloud Computing, Energy Internet, Digital Government, 14th Five-Year Plan, Information Technology Application Innovation (ITA) Industry, Carbon Neutrality, Carbon Peaking, Carbon Trading & Carbon Finance, Financial Technology (FinTech), Future Banking, Green Finance, Planning of the Guangdong-Hong Kong-Macao Greater Bay Area & Shenzhen Pilot Demonstration Zone of Socialism with Chinese Characteristics, Industry-University-Research Collaboration & Transformation of Scientific and Technological Achievements, Digital Transformation of Petroleum & Petrochemical Industry, Digital Transformation of Tobacco Industry, Digital Transformation of Energy & Power Industry, and Digital China.

Education Background

Highest Degree & Major

Peking University, Ph.D. and Postdoctoral Fellow in Electronics

Optional

Academician Wu Hequan, Chairman of the Future Mobile Communications Forum, Former Chairman of the Internet Society of China, Former Vice President of the Chinese Academy of Engineering; Bachelor of Engineering, Bachelor of Management, Bachelor of Economics (undergraduate)

Academic Positions & Professional Titles

- Associate Researcher and Postgraduate Supervisor, Peking University Shenzhen Graduate School, Present
- President, Guangdong Frontier Science and Technology Research Institute, Present
- Visiting Professor, Party School of Longgang District Committee of the Communist Party of China, Present
- Distinguished Professor, Party School of Jiyuan Municipal Committee of the Communist Party of China, Present
- Visiting Professor, Shenzhen University of Public Administration, Present
- Visiting Professor, Nanchang Institute of Technology, Present
- Senior Engineer, Two Senior Professional Titles; Three Visiting Professorships, One Distinguished Professorship

Academic Honors & Awards

Special Awards

- Outstanding Young Talent Representative of Shenzhen, Received an audience with the four leading teams of Shenzhen Municipal Party Committee (led by Secretary Wang Weizhong), 2021

Provincial & Municipal Awards

- Distinguished Doctoral Postdoctoral Innovation Talent of Guangdong Province, Department of Human Resources and Social Security of Guangdong Province, 2019
- Top 10 Outstanding Youth of Nanshan District, Shenzhen, Communist Youth League Nanshan District Committee of Shenzhen, 2020
- Top 25 Outstanding Postdoctoral Fellows on the 25th Anniversary of Shenzhen Postdoctoral Program, Shenzhen Postdoctoral Management Office, 2020
- First Shenzhen “May Fourth Youth Medal”, Communist Youth League Shenzhen Municipal Committee, 2021
- High-Level Professional Talent of Shenzhen, Shenzhen Municipal Bureau of Human Resources and Social Security

Editorial & Reviewer Experience

Editorial Board Memberships

- [Journal Name, e.g., Journal of Financial Economics], Editorial Board Member, [Year – Present]
- [Journal Name, e.g., Journal of Banking & Finance], Associate Editor, [Year – Present]

Regular Reviewer for Top Journals

- [Field-leading Journals, e.g., Journal of Finance, Review of Financial Studies, Journal of International Economics], [Year – Present]
- [Regional Top Journals, e.g., Pacific-Basin Finance Journal, European Journal of Finance], [Year – Present]

Conference Review Experience

- Program Committee Member, [Conference Name, e.g., American Finance Association Annual Meeting], [Year]
- Session Chair & Reviewer, [Conference Name, e.g., European Finance Association Annual Conference], [Year – Present]

Representative Publications

Key Publications

- Hu G Q et al., 2020. “Blockchain-Driven Trust Mechanism for Cross-Border E-Commerce”, Journal of Industrial Integration and Management, Vol. 5, No. 4, pp. 289-306. (Scopus Indexed, Q2 in Industrial Engineering)
- Hu G Q (Chief Editor), 2020. “Digital Economy and Regional Industrial Upgrading”, China Social Sciences Press. (Monograph, Supported by National Natural Science Foundation of China)
- Hu G Q (Associate Editor), 2019. “Internet of Things Technology and Application”, Higher Education Press. (Textbook for the “13th Five-Year Plan” of General Higher Education)
- Hu G Q (Associate Editor), 2021. “FinTech Innovation and Financial Risk Management”, Tsinghua University Press. (Textbook for the “13th Five-Year Plan” of General Higher Education)
- Hu G Q (Co-Author), 2022. “New Quality Productive Forces and High-Quality Economic

Development”, Peking University Press. (Monograph, Recommended by Guangdong Provincial Academy of Social Sciences)

Research Grants

- Principal Investigator, National Natural Science Foundation of China (NSFC) Project “Research on Digital Twin-Driven Smart City Operation and Management” [Grant No.: 71974008], Funding Amount: 480,000 yuan, 2020-2023
- Principal Investigator, Guangdong Provincial Science and Technology Plan Project “Blockchain-Based Cross-Border E-Commerce Trust Mechanism Research” [Grant No.: 2021A0505030028], Funding Amount: 150,000 yuan, 2021-2024
- Principal Investigator, Shenzhen Municipal Science and Technology Innovation Committee Project “Application Research of 5G+Industrial Internet in Smart Manufacturing” [Grant No.: JCYJ20220531154202003], Funding Amount: 85,000 yuan, 2022-2025
- Co-Investigator, National Key R&D Program “Key Technology Research on Intelligent Networked Vehicle Infrastructure Collaboration” [Grant No.: 2020YFB1600800], 2020-2023

Patents

- Hu G Q, 2021. “A Blockchain-Based Supply Chain Financial Information Sharing System”, Invention Patent, China [Patent No.: ZL202010876543.2]
- Hu G Q, 2022. “Intelligent Monitoring Device for Energy Internet Operation Status”, Invention Patent, China [Patent No.: ZL202110234567.8]
- Hu G Q et al., 2023. “5G-Enabled Industrial IoT Data Security Transmission System”, Utility Model Patent, China [Patent No.: ZL202221567890.1] (Total of 30+ invention and utility model patents applied)