

JINGPING QIAO

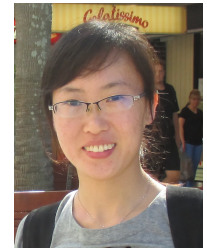
CONTACT INFORMATION

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EDUCATIONAL BACKGROUND

Shandong University, Jinan, China

2012-2018

School of Information Science and Engineering

Ph.D. in Communication and Information Systems

Thesis: “*Research on Physical Layer Security Techniques for Wireless-Powered Cooperative Relay Systems*”

Advisor: Prof. Haixia Zhang

Inner Mongolia University of Science and Technology, China

2008-2012

School of Information Engineering

B.S. in Communication Engineering

RESEARCH INTERESTS

MIMO, Cooperative Relay Communications, Physical Layer Security

HOSTED AND PARTICIPATED PROJECTS

1. Research on Key Technologies of Wireless Powered Intelligent Secure Transmission Based on Social Behavior Analysis, by Natural Science Foundation of Shandong Province, ZR2017MF029, 2019-2022, Principal Investigator.
2. Research on Vehicle Behavior-Driven Technologies for Intelligent Vehicular Networks, by Project of International Cooperation and Exchanges NSFC, 2019-2023, Participated.
3. Interference Management and Resource Optimization for Ultra-Dense Heterogeneous Networks, by the National Science Fund of China for Excellent Young Scholars, 2017-2019, Participated.
4. Energy Efficiency Modeling and Optimization in Hardware-Constrained Massive MIMO Systems, by National Science Foundation of China (NSFC), 2017-2020, Participated.
5. Research on Key Technologies for 5G Mobile Communication Systems, by Special Project of National International Technology Cooperation, 2014-2017, Participated.

PUBLICATIONS

Working and Under Review

1. **Jingping Qiao**, Haixia Zhang, Chuanting Zhang, Dongfeng Yuan, “Opportunistic Energy Harvesting Assisted Social-Aware Secure Transmission,” working paper.
2. Yuhong Zhao, Chuanting Zhang, Yi Cao, **Jingping Qiao**, “Adaptive Similarity Function with Structural Features of Network Embedding for Missing Link Prediction,” submitted for publication, 2019

3. Chuanting Zhang, Haixia Zhang, **Jingping Qiao**, “Multi-Step Multi-Output Cellular Traffic Prediction with Deep Conditional Generative Adversarial Networks,” working paper, 2019

Journals Papers

1. Jing Chen, Dianjie Lu, Guijuan Zhang, **Jingping Qiao**, Pingshan Liu, Ren Han, “Cost Optimization for the Coupled Video Delivery Networks,” in *IEEE Access*, vol. 7, pp. 79136-79146, 2019. [[Link](#)]
2. Chuanting Zhang, Haixia Zhang, **Jingping Qiao**, Dongfeng Yuan, Minggao Zhang. “Deep Transfer Learning for Intelligent Cellular Traffic Prediction Based on Cross-Domain Big Data,” *IEEE Journal on Selected Areas in Communications (JSAC)*, vol. 37, no. 6, pp. 1389-1401, Jun., 2019. [[paper](#)] [[code](#)]
3. **Jingping Qiao**, Haixia Zhang, Feng Zhao, Dongfeng Yuan, “Secure Transmission and Self-Energy Recycling with Partial Eavesdropper CSI,” *IEEE Journal on Selected Areas in Communications (JSAC)*, vol. 36, no. 7, pp. 1531-1543, Jul. 2018. [[Link](#)]
4. **Jingping Qiao**, Haixia Zhang, Xiaotian Zhou, Dongfeng Yuan, “Joint Beamforming and Time Switching Design for Secrecy Rate Maximization in Wireless-Powered FD Relay Systems,” *IEEE Transactions on Vehicular Technology (TVT)*, vol. 67, no. 1, pp. 567-579, Jan. 2018. [[Link](#)]

Conference Papers

1. Leiyu Wang, Haixia Zhang, **Jingping Qiao**, Xiaotian Zhou, Dongfeng Yuan, “Energy-Delay Aware User Association in mmWave Backhaul Networks Using Matching Theory,” in *Proc. IEEE International Conference on Communications (ICC)*, 2019. [[Link](#)]
2. Qi Li, Haixia Zhang, **Jingping Qiao**, Dongfeng Yuan, “Cooperative Relay-Assisted Proactive Eavesdropping for Wireless Information Surveillance Systems,” in *Proc. IEEE Global Communications Conference (GLOBECOM)*, 2018. [[Link](#)]
3. **Jingping Qiao**, Haixia Zhang, Dalei Wu, Dongfeng Yuan, “Secrecy Rate Analysis for Jamming Assisted Relay Communications Systems,” in *Proc. IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)*, Brisbane, Australia, Apr. 2015, pp. 3143-3147. [[Link](#)]
4. **Jingping Qiao**, Haixia Zhang, Dongfeng Yuan, Feng Zhao, “Rate Optimization Under Amplify-and-Forward Based Cooperation with Single Eavesdropper,” in *Proc. IEEE Asia-Pacific Conference on Communications (APCC)*, Bali, Indonesia, Aug. 2013, pp. 1-5. [[Link](#)]

HONORS & AWARDS

- Excellent Doctoral Dissertation, Shandong University 2019
- ACM Raising Star, ACM Jinan Section 2019
- Excellent Science and Technology Innovation Achievement Award, Shandong Province 2018
- The First Prize Academic Scholarship, Shandong University 2014, 2015
- Outstanding Students, Shandong University 2015, 2016
- Outstanding Communist Youth League Member, Shandong University 2016

ACADEMIC ACTIVITIES

- **Membership & Journal Editorship**
 - ACM Member
 - IEEE Member

- **Paper Reviewer for Journals and Conferences**

IEEE Transactions on Vehicular Technology

IEEE Transactions on Information Forensics & Security

IEEE Communications Letters

IEEE Wireless Communications Letters

IEEE ICC, IEEE ICC

SCHOLARLY TALKS

- “Secrecy Rate Analysis for Jamming Assisted Relay Communication Systems,” Presentation on IEEE ICASSP, 2015
- “Rate Optimization Under Amplify-and-Forward based Cooperation with Single Eavesdropper,” Presentation on IEEE APCC, 2013

Last Updated: July 25, 2019