

JIANGQI HU

CONTACT INFORMATION

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STATUS: F1 Holder

EDUCATIONAL BACKGROUND

State University of New York (SUNY) at Buffalo, USA **2019 - present**

Department of Electrical Engineering

Ph.D. Student (GPA:3.88)

Advisor: Dr. Zhangyu Guan

Xidian University, China **2016 - 2019**

School of Telecommunication Engineering

M.S in Communication Engineering (GPA:3.28)

Thesis: “*Study on Dynamic Resource Allocation Scheme in IIoT*”

Advisor: Dr. Qinghai Yang

Dalian Jiaotong University, China **2012 -2016**

School of Electrical and Information Engineering

B.S. in Communication Engineering (GPA:3.61)

RESEARCH INTERESTS

- **Network Design Automation:** Programmable Networks, Wireless Network Operating System, AI/ML for Wireless
- **New Spectrum Technologies:** Spectrum Coexistence, Drone Networks
- **Wireless Network Security:** Protocol Jamming/Anti-jamming, Adversarial Machine Learning
- **Experimentation Platform:** UB NeXT (Extendable Network Optimization, Emulation and Deployment System)

PUBLICATIONS

h-index: 2 (Google Scholar)

Journals and Magazines

1. **J. Hu**, Q. Yang, ”Dynamic Energy-Efficient Resource Allocation in Wireless Powered Communication Network,” *Wireless Networks*, Aug. 2019.
2. H. Wang, **J. Hu**, and W. Niu, ”RC Performance Analysis Based on Model Optimization with the Aid of Network Calculus,” *Photonic Network Communications*, Apr. 2019.

Conference and Workshop Papers

3. **Jiangqi Hu**, Sabarish Krishna Moorthy, Ankush Harindranath,Z. Guan, N. Mastronarde, E. S. Bentley, and S. Pudlewski, “SwarmShare: Mobility-Resilient Spectrum Sharing for Swarm UAV Networking in the 6 GHz Band,” in *Proc. of IEEE International Conference on Sensing, Communication and Networking (SECON)*, Virtual Conference, July 2021.

4. **Jiangqi Hu, Q. Yang and K. S. Kwak,**”Energy Efficiency and Delay Tradeoff in Wireless Powered Communication Networks,” in *Proc. of IEEE International Symposium on Communications and Information Technologies (ISCIT)*, Cairns, QLD, Australia, Sept. 2017.

PROFESSIONAL ACTIVITIES AND SERVICES

Reviewer Activity

- **Conferences:** CCNC2021