

Qijun Wang

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EDUCATION

Ph.D. Candidate in Computer Science and Engineering, 2022 – Present
Michigan State University, East Lansing, MI
Advisor: Dr. Huacheng Zeng

M.S. in Electronic and Communication Engineering, 2022
Xiamen University, Xiamen, China
Advisor: Dr. Xuemin Hong

B.Eng. in Electronic Information Engineering, 2019
Civil Aviation University of China, Tianjin, China

RESEARCH INTERESTS

- Wireless Sensing and Cyber-Physical/IoT Systems
- Backscatter Communication and Batteryless Embedded Sensing
- AI-Enabled Wireless Security and Privacy

PUBLICATIONS

1. RadKey: An LLM-Guided RF Backscatter System for Through-Wall Keystroke Inference
Q. Wang, C. Qian, and H. Zeng
IEEE Symposium on Security and Privacy (S&P), 2026.
[**Acceptance rate: 12.7%**]
2. SOPAR: Bee Localization and Tracking Using RF Sub-harmonic Oscillating Parametric Resonator in Hive Environments
Q. Wang, P. Yan, G. J. Zhou, X. Liu, D. Stanley, Z. Huang, C. Qian, and H. Zeng
Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT/UbiComp), 2026.
3. RadEar: A Self-Supervised RF Backscatter System for Voice Eavesdropping and Separation
Q. Wang, P. Yan, C. Qian, and H. Zeng
IEEE International Conference on Computer Communications (INFOCOM), 2026.
[**Acceptance rate: 18.9%**]
4. Integrating Health Sensing into Cellular Networks: Human Sleep Monitoring Using 5G Signals
R. Lin, P. Yan, J. Lu, **Q. Wang**, and H. Zeng
IEEE INFOCOM Workshops (INFOCOM WKSHPS), ISAC-FutureG, 2026.

5. A Batteryless Wireless Microphone Using RF Backscatter
Q. Wang, C. Qian, P. Yan, S. Zhang, and H. Zeng
 Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT/UbiComp), 2025.
6. RadSee: See Your Handwriting Through Walls Using FMCW Radar
 S. Zhang, **Q. Wang**, M. Gan, Z. Cao, and H. Zeng
 Network and Distributed System Security Symposium (NDSS), 2025.
[Acceptance rate: 16.1%]
7. RadEye: Tracking Eye Motion Using FMCW Radar
 S. Zhang, **Q. Wang**, K. Song, Q. Yan, and H. Zeng
 Proceedings of the 2025 CHI Conference on Human Factors in Computing Systems (CHI), 2025.
[Honorable Mention Recognition, Top 5%]
8. SiWiS: Fine-grained Human Detection Using Single WiFi Device
 K. Song, **Q. Wang**, S. Zhang, and H. Zeng
 Proceedings of the 30th Annual International Conference on Mobile Computing and Networking (MobiCom), 2024.
[Acceptance rate: 19.1%]

AWARDS AND HONORS

- Honorable Mention Recognition (Top 5%), ACM CHI, 2025.
- China National Scholarship, three consecutive academic years, 2015 – 2018.

TEACHING EXPERIENCE

- Teaching Assistant, CSE 422: Computer Networks, Michigan State University, Fall 2024.

PROFESSIONAL SERVICES

- Program Committee Member
 IEEE INFOCOM Poster and Demo Session, 2023 – 2026.
- Reviewer
 IEEE Transactions on Wireless Communications.