

HAN WANG

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🎓 EDUCATION

University of Electronic Science and Technology of China (UESTC), Chengdu, China 2022 – Present

Ph.D. student & M.E. in Computer Science (CS)

Tianjin University (TJU), Tianjin, China 2018 – 2022

B.E. in Computer Science (CS)

💡 RESEARCH INTERESTS

- **Wireless:** low-power communication systems, sensing
- **Embedded systems:** energy-efficient computing systems, ubiquitous computing

💻 PUBLICATION

Conference Papers

1. **[MobiCom '24] Sisyphus: Redefining Low Power for LoRa Receiver.**
Han Wang, Yihang Song, Qianhe Meng, Zetao Gao, Chong Zhang, and Li Lu.
The 30th Annual International Conference on Mobile Computing and Networking.
2. **[SenSys '24] Processor-Sharing Internet of Things Architecture for Large-Scale Deployment.**
Qianhe Meng, Han Wang, Chong Zhang, Yihang Song, Songfan Li, Li Lu, and Hongzi Zhu.
The 22nd ACM Conference on Embedded Networked Sensor Systems. (Best Paper Award)
3. **[SenSys '26] μMan: Towards Device-Agnostic Power Management for Battery-free IoT.**
Chong Zhang, Han Wang, Qianhe Meng, Yize Zhao, Shengyu Li, Songfan Li, Zetao Gao, Li Lu, and Hongzi Zhu.
ACM/IEEE International Conference on Embedded Artificial Intelligence and Sensing Systems.
4. **[MobiSys '25] LEGO+: Redefining the Redundancy Removal for IoT Sensing Edge-End Systems.**
Chong Zhang, Han Wang, Qianhe Meng, Yize Zhao, Yihang Song, Kanglin Xu, Jinzhe Li, and Li Lu.
The 23rd ACM International Conference on Mobile Systems, Applications, and Services.
5. **[ICC '25] Cupid: Empowering Reliable Collaboration for Intermittent Computing Nodes.**
Yize Zhao, Chong Zhang, Zetao Gao, Han Wang, Qianhe Meng, and Li Lu.
IEEE International Conference on Communications.

Journal Papers

1. **[ToN 2026] Bringing LoRa Downlink to Backscatter Devices.**
Han Wang, Yihang Song, Qianhe Meng, Chong Zhang, Songfan Li, Shuwei Wu, Ruizhe Zhang, and Li Lu
IEEE Transactions on Networking (ToN), 2026.
2. **[TMC 2025] Embedding Chips Over the Air: Rethink IoT Architecture for Ubiquitous Sensing.**
Qianhe Meng, Han Wang, Chong Zhang, Yihang Song, Songfan Li, Li Lu, and Hongzi Zhu.
IEEE Transactions on Mobile Computing (TMC), 2025.
3. **[TMC 2021] MapFi: Autonomous Mapping of Wi-Fi Infrastructure for Indoor Localization.**
Xinyu Tong, Han Wang, Xiulong Liu, and Wenyu Qu.
IEEE Transactions on Mobile Computing (TMC), 2021.

HONORS AND AWARDS

- **Best Paper Award** at ACM SenSys 2024 (1 out of 313 submissions)
- ACM SIGMOBILE Research Highlight

ACADEMIC SERVICE

Program Committee Member

- ACM MobiCom Artifact Evaluation, 2025
- ACM MobiSys Artifact Evaluation, 2025

Journal Reviewer

- IEEE Transactions on Mobile Computing (TMC), 2024–2025
- IEEE Internet of Things Journal, 2025
- Journal of Medical Internet Research, 2025
- IEEE Sensors Journal, 2024

 Last updated in Nov. 2025