

# 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]  $\mu$ Man: 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

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

## ACADEMIC SERVICE


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### 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