

Chenning Li

Graduate Student

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Research Interests

Low-power Wireless Networks, Wireless Sensing, ML for Networking/Systems

Education

Aug 2019 - Present

Graduate Student at Michigan State University

Advisor: [Dr. Yunhao Liu](#) & [Dr. Zhichao Cao](#)

Aug 2014 - July 2018

BEng. from Tsinghua University

Major: Aerospace Engineering & Minor: Computer Science

Overall GPA: 91/100 - Ranking: 2/68

Conference Publications¹

1. **Chenning Li**, Hanqing Guo, Shuai Tong, Xiao Zeng, Zhichao Cao, Mi Zhang, Qiben Yan, Li Xiao, Jiliang Wang, and Yunhao Liu. “[NELoRa: Towards Ultra-low SNR LoRa Communication with Neural-enhanced Demodulation](#)”, **ACM SenSys**, 2021. Acceptance Rate: 17.9% (25 out of 139). **Best Paper Award.**
2. Jialuo Du, **Chenning Li**, Zhichao Cao, and Yunhao Liu. “[SRPeek: Super Resolution Enabled Screen Peeking via COTS Smartphone](#)”, **IEEE ICPADS**, 2021.
3. **Chenning Li**, Zheng Liu, Yuguang Yao, Zhichao Cao, Mi Zhang, and Yunhao Liu. “[Wi-Fi See It All: Generative Adversarial Network-augmented Versatile Wi-Fi Imaging](#)”, **ACM SenSys**, 2020. Acceptance Rate: 20.2% (43 out of 213).
4. **Chenning Li**, Manni Liu, Zhichao Cao. “[WiHF: Enable User Identified Gesture Recognition with WiFi](#)”, **IEEE INFOCOM**, 2020. Acceptance Rate: 19.8% (268 out of 1354).

Journal Publications

1. **Chenning Li**, and Zhichao Cao. “[LoRa Networking Techniques for Large-scale and Long-term IoT: A Down-to-top Survey](#)”, **ACM Computing Surveys (ACM CSUR)**, to appear.
2. **Chenning Li**, Zhichao Cao, and Yunhao Liu. “[Deep AI Enabled Ubiquitous Wireless Sensing: A Survey](#)”, **ACM Computing Surveys (ACM CSUR)**, 2021.
3. **Chenning Li**, Manni Liu, and Zhichao Cao. “[WiHF: Gesture and User Recognition with Wi-Fi](#)”, **IEEE Transactions on Mobile Computing (IEEE TMC)**, 2020.

Industrial Experience

1. Systems & Infrastructure Intern (Network Delivery Systems-Design & Config) at **Facebook**, Menlo Park, CA. May 2022 - Aug 2022

¹Acceptance rate information is obtained from program chair’s message in conference proceedings and author’s notification email sent by program chair(s).

Awards

1. **Best Paper Award**, ACM SenSys, 2021
2. **Named an Engineering Distinguished Scholar (EDS)**, MSU, 2019
3. **Outstanding Undergraduates**, Beijing & Tsinghua University, 2018
4. **Awarded the Outstanding Scholarship (equivalent to Summa Cum Laude)**, Tsinghua University, 2017
5. **Awarded the Comprehensive Scholarship, Academic Scholarship, Social Work scholarship and Sports Scholarship**, Tsinghua University, 2015-2017

Teaching Experience

1. Teaching Assistant: CSE220 - Programming in C (Spring 2021, MSU)
2. Guest Lecturer: CSE891 - AIoT: Artificial Intelligence in the Edge (Spring 2020, Fall 2021, MSU)

Professional Service

1. **Reviewer:**
 - (a) **Conference:** ACM MobiCom '20/'21/'22 | IEEE INFOCOM '20/'21/'22
 - (b) **Journal:** IEEE Transactions on Wireless Communications | IEEE Transactions on Mobile Computing | ACM Transactions on Sensor Networks