

Shiming Yu

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Education

The Hong Kong Polytechnic University	<i>Aug 2022 – Now</i>
Ph.D. Candidate in Computer Science	
Advisor: Yuanqing Zheng	
University of Electronic Science and Technology of China	<i>Aug 2018 – Jul 2022</i>
B.E. in Communication Engineering (GPA: 3.8/4.0)	

Research Interest

My research interests include Low Power Wide Area Networks (LPWANs) and Wireless Networking.

Publications

[C1] [MobiCom'24] Revolutionizing LoRa Gateway with XGate: Scalable Concurrent Transmission across Massive Logical Channels	Washington, D.C., USA
Shiming Yu , Xianjin Xia, Ningning Hou, Yuanqing Zheng, Tao Gu	
The 30th Annual International Conference on Mobile Computing and Networking	
[C2] [SenSys'24] FDLora: Tackling Downlink-Uplink Asymmetry with Full-duplex LoRa Gateways	Hangzhou, China
Shiming Yu , Xianjin Xia, Ziyue Zhang, Ningning Hou, Yuanqing Zheng	
The 22nd ACM Conference on Embedded Networked Sensor Systems	

Professional Services

Program Committee Member

◦ ACM MobiCom Artifact Evaluation Committee	2024
◦ ACM MobiSys Artifact Evaluation Committee	2024

Invited Reviewer

◦ ACM Transactions on Sensor Networks	2024
◦ IEEE Transactions on Wireless Communications	2023
◦ Computer Networks	2023

Awards

◦ Student Travel Grant, ACM MobiCom	2024
◦ Best Student Presentation Award, PolyU CRSC	2024
◦ Full Ph.D. Scholarship @ PolyU	2022-Now
◦ Outstanding Student Scholarship (Top 15%)	2020
◦ National Encouragement Scholarship	2019
◦ Outstanding Student Scholarship (Top 15%)	2019