

## EDUCATION

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### The Hong Kong Polytechnic University

Ph.D. in Computer Science

Hong Kong SAR, China

2017.9–2021.10

- Chief Supervisor: **Dr. Lei Yang**, Co-supervisor: **Prof. Jiannong Cao** (IEEE Fellow)
- Thesis: “On Cross-Technology Mutualism in the Internet of Things: Communication and Localization”

### Dalian University of Technology

B.E. degree in Electronic Engineering and Information System

Dalian, China

2013.9–2017.7

## PROFESSIONAL EXPERIENCE

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### University of Pittsburgh

Postdoctoral Associate at Department of Computer Science

Pittsburgh, PA, US

2024.7-Present

- Advised by **Dr. Longfei Shangguan**, **Prof. Kyle Jamieson** (InterDigital: **John Kaewell** and **Philip Pietraski**)

### Princeton University

Postdoctoral Research Associate at Department of Computer Science

Princeton, NJ, US

2023.12-2024.7

- Advised by **Prof. Kyle Jamieson**, **Dr. Longfei Shangguan** (InterDigital: **John Kaewell** and **Philip Pietraski**)

### The Hong Kong Polytechnic University

Postdoctoral Fellow Advised by **Dr. Lei Yang**, funded by Postdoc Matching Fund

Hong Kong SAR, China

2021.11-2023.11

### Alolo Technology Limited (start-up)

Co-founder and Engineering Consultants for BLE-Vision localization System

Hong Kong SAR, CN

2022.11-2023.8

### Huawei Technologies

Research Intern in 2012 Lab. Two patents for deep learning localization/beamforming.

Shenzhen, Guangdong, CN

2020.6-2020.12

## SUMMARY

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- **(I) Summary of Research:** My research interests focus on AI-driven NextG wireless systems, particularly in the PHY layer design, wireless sensing and localization, backscatter communication and wireless security. I specialize in developing and applying machine learning models for wireless channel prediction, localization, and RF-Vision multi-modality sensing and have a deep research on backscatter/RFID PHY and MAC layer optimization. I am the recipient of ACM China SIGBED Doctoral Dissertation Award, ACM MobiCom Best Paper Runner-up, and two IEEE SECON Best papers.
- **(II) Summary of Publications:** A total of over 40 publications on top conferences/journals range from: MobiCom (9), INFOCOM (8), MobiSys(2), SIGCOMM (1), Sensys (1), S&P (1), UbiComp (1), TMC (7), TON (4), TOSN (2). These works have garnered over 420 citations, with an h-index of 12.
- **(III) Keywords:** Wireless Digital Twin, Machine Learning, Sionna, Channel Prediction, Indoor Localization and Wireless Sensing, 5G/6G, WiFi, BLE, Backscatter and RFID, Acoustic, Wireless Security
- **(IV) Selected Publications:**
  - Xiaopeng Zhao, **Zhenlin An**(corresponding author), Qingrui Pan, Lei Yang, NeRF2: Neural Radio-Frequency Radiance Fields, In Proc. of ACM MobiCom, 2023. **Best Paper Award Runner-up.**  
*Note: First introduce NeRF-like neural rendering into the RF domain and demos SOTA performance in 5G channel prediction, BLE and RFID localization.*
  - Donghui Dai, **Zhenlin An** (co-first author), Lei Yang, Inducing Wireless Chargers to Voice Out for Inaudible Command Attacks, In IEEE Security & Privacy, 2023.  
*Note: First report the wireless charger EMI can be manipulated to inject inaudible commands to smart devices.*

- **Zhenlin An**, Qiongzhen Lin, Lei Yang, Yi Guo and Ping Li, Localizing RFIDs in Pixel Dimensions in ACM Transactions on Sensor Network, 2022. **Best paper in IEEE SECON**.  
*Note: First to design a radio-vision co-localization platform for RFID tag tracking in robots.*
- **Zhenlin An**, Qiongzhen Lin, Xiaopeng Zhao, Lei Yang, Dongjiang Zheng, Guiqing Wu, Shan Chang One Tag, Two Codes: Identifying Optical Barcodes with NFC In Proc. of ACM MobiCom, 2021.  
*Note: First to propose a reinforcement learning-based antenna design algorithm capable of serving both UHF RFID and NFC tags.*
- **Zhenlin An**, Qiongzhen Lin, Ping Li, Lei Yang, “General-Purpose Deep Tracking Platform across Protocols for the Internet of Things” In Proc. of ACM MobiSys, 2020.  
*Note: First to propose the extra-large array platform with a deep learning localization algorithm for IoT devices.*
- **Zhenlin An**, Qiongzhen Lin, Lei Yang, Yi Guo, Revitalizing Ultrasonic Positioning Systems for Ultrasound-Incapable Smart Devices, in IEEE Trans on Mobile Computing, 2020. (Also in MobiCom 2019)  
*Note: First to propose an ultrasound positioning system for normal microphone using intermodulation effects.*

## PUBLICATIONS

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†Co-primary author, ‡ Co-corresponding author, [Google Scholar Page](#)

### Conference Articles

1. **Zhenlin An**, Longfei Shangguan, John Kaewell, Philip Pietraski, Kyle Jamieson  
RadioTwin: A Digital Building Material Twin for Wideband, Cross-link, Cross-band Wireless Channel Prediction  
In Submission, 2024
2. Zheng Gong, **Zhenlin An**<sup>‡</sup>, Donghui Dai, Jingyu Tong, Sicong Liao, Lei Yang<sup>‡</sup>  
Enabling Cross-Medium Wireless Networks with Miniature Mechanical Antennas  
In Proc. of **ACM MobiCom**, Washington, D.C., USA, 2024.
3. Jingyu Tong, **Zhenlin An**, Xiaopeng Zhao, Sicong Liao, Lei Yang  
In-Sensor Machine Learning: Radio Frequency Neural Networks for Wireless Sensing  
In Proc. of **ACM MobiHoc**, 2024.
4. Xueyuan Yang, **Zhenlin An**, Qingrui Pan, Lei Yang, Danyuan Lei, Yulong Fan  
Binary Optical Machine Learning: Million-Scale Physical Neural Networks with Nano Neurons  
In Proc. of **ACM MobiCom**, Washington, D.C., USA, 2024.
5. Donghui Dai, **Zhenlin An**<sup>‡</sup>, Zheng Gong, Qingrui Pan, Lei Yang<sup>‡</sup>  
RFID+: Spatially Controllable Identification of UHF RFIDs via Controlled Magnetic Fields  
In **USENIX NSDI**, Santa Clara, USA, 2024.
6. Xiaopeng Zhao, Shen Wang, **Zhenlin An**, Lei Yang  
Crowdsourced Geospatial Intelligence: Constructing 3D Urban Maps with Satellite Radiance Fields  
In Proc. of **ACM IMWUT/UbiComp**, 2024.
7. Yanni Yang, Genglin Wang, **Zhenlin An**, Pengfei Hu, Xiuzhen Cheng, Guoming Zhang  
RF-Parrot: Wireless Eavesdropping on Wired Audio  
In Proc. of **IEEE INFOCOM** 2024.
8. Xiaopeng Zhao, Guosheng Wang, **Zhenlin An**, Qingrui Pan, Lei Yang  
Understanding Localization by a Tailored GPT  
In Proc. of **ACM MobiSys**, Tokyo, Japan, 2024.
9. Donghui Dai<sup>†</sup>, **Zhenlin An**<sup>†</sup>, Lei Yang  
Inducing Wireless Chargers to Voice Out for Inaudible Command Attacks  
In **IEEE Security & Privacy (Oakland)** 2023.
10. Xiaopeng Zhao, **Zhenlin An**<sup>‡</sup>, Qingrui Pan, Lei Yang<sup>‡</sup>  
NeRF2: Neural Radio-Frequency Radiance Fields  
In Proc. of **ACM MobiCom**, Madrid, Spain, Oct 2-6, 2023. (**Best Paper Award Runner-up**)

11. Donghui Dai, **Zhenlin An**<sup>†</sup>, Qingrui Pan, Lei Yang<sup>‡</sup>  
MagCode: NFC-Enabled Barcodes for NFC-Disabled Smartphones  
In Proc. of **ACM MobiCom**, Madrid, Spain, Oct 2-6, 2023.
12. Sicong Liao, **Zhenlin An**, Qingrui Pan, Xiaopeng Zhao, Jingyu Tong, Lei Yang<sup>‡</sup>  
XiTuXi: Sealing the Gaps in Cross-Technology Communication by Neural Machine Transition  
In Proc. of **ACM Sensys**, Istanbul, Turkiye, Nov 13-15, 2023.
13. Xueyuan Yang, **Zhenlin An**, Xiaopeng Zhao, Lei Yang  
Transfer Beamforming via Beamforming for Transfer  
In Proc. of **IEEE INFOCOM**, New York area, USA, May 17 - 20, 2023.
14. Yanni Yang, Jiannong Cao, **Zhenlin An**, Yanwen Wang, Pengfei Hu, Guoming Zhang  
NFChain: A Practical Fingerprinting Scheme for NFC Tag Authentication  
In Proc. of **IEEE INFOCOM**, New York area, USA, May 17 - 20, 2023.
15. Qingrui Pan, **Zhenlin An**, Xiaopeng Zhao, Lei Yang  
Revisiting Backscatter Frequency Drifts for Fingerprinting RFIDs: A Perspective of Frequency Resolution  
In Proc. of **IEEE SECON**, Madrid, Spain, Sep. 11-14, 2023. (**Best Paper Award**)
16. Qingrui Pan<sup>†</sup>, **Zhenlin An**<sup>†</sup>, Xueyuan Yang, Xiaopeng Zhao, Lei Yang  
RF-DNA: Large-Scale Physical-layer Identifications of RFIDs via Dual Natural Attributes  
In Proc. of **ACM MobiCom**, Sydney, Australia, Oct 17-22, 2022.
17. Zheng Gong<sup>†</sup>, Lubing Han<sup>†</sup>, **Zhenlin An**<sup>†</sup>, Lei Yang<sup>‡</sup>, Siqi Ding, Yu Xiang  
Empowering Smart Buildings with Self-Sensing Concrete for Structural Health Monitoring  
In Proc. of **ACM SIGCOMM**, Amsterdam, the Netherlands, Aug 22-26, 2022.
18. Qingrui Pan, **Zhenlin An**, Xiaopeng Zhao and Lei Yang  
LSAB: Enhancing Spatio-Temporal Efficiency of AoA Tracking Systems  
In Proc. of **IEEE INFOCOM**, 2-5 May 2022.
19. **Zhenlin An**, Qiongzheng Lin, Xiaopeng Zhao, Lei Yang, Dongjiang Zheng, Guiqing Wu, Shan Chang  
One Tag, Two Codes: Identifying Optical Barcodes with NFC  
In Proc. of **ACM MobiCom**, New Orleans, USA, Oct 25-29, 2021.
20. **Zhenlin An**, Qiongzheng Lin, Qingrui Pan, Lei Yang  
Turbocharging Deep Backscatter Through Constructive Power Surges with a Single RF Source  
In Proc. of **IEEE INFOCOM**, May 10-13 2021.
21. **Zhenlin An**<sup>†</sup>, Qiongzheng Lin<sup>†</sup>, Ping Li, Lei Yang  
General-Purpose Deep Tracking Platform across Protocols for the Internet of Things  
In Proc. of **ACM MobiSys**, Toronto, Canada, June 15-19, 2020.
22. **Zhenlin An**, Qiongzheng Lin, Lei Yang, Lei Xie  
Activating Wireless Voice for E-Toll Collection Systems with Zero Start-up Cost  
In Proc. of **IEEE INFOCOM**, Beijing, China, April 27-30 2020.
23. Qiongzheng Lin, Lei Yang, **Zhenlin An**, Yi Guo, Ping Li  
RFCamera: Identifying RFIDs in Pixel Dimension  
In Proc. of **IEEE SECON**, Combo, Italy, June 22-25, 2020. (**Best Paper Award**)
24. Qiongzheng Lin<sup>†</sup>, **Zhenlin An**<sup>†</sup>, Lei Yang  
Rebooting Ultrasonic Positioning Systems for Ultrasound-Incapable Smart Devices  
In Proc. of **ACM MobiCom**, Los Cabos, Mexico, Oct 21-25, 2019.
25. **Zhenlin An**, Qiongzheng Lin, Lei Yang, Wei Lou  
Embracing Tag Collisions: Acquiring Bloom Filters across RFIDs in Physical Layer  
In Proc. of **IEEE INFOCOM**, Paris, April 29 - May 2, 2019.

26. Ping Li, **Zhenlin An**, Lei Yang, Panlong Yang  
Towards Physical-Layer Vibration Sensing with RFIDs  
In Proc. of **IEEE INFOCOM**, Paris, France, April 29 - May 2, 2019.
27. **Zhenlin An**, Qiongzhen Lin, Lei Yang  
Cross-Frequency Communication: Near-Field Identification of UHF RFIDs with WiFi!  
In Proc. of **ACM MobiCom**, New Delhi, India, Oct 29 - Nov 2, 2018.
28. Lei Yang, Qiongzhen Lin, Chunhui Duan, **Zhenlin An**  
Analog On-tag Hashing: Towards Selective Reading as Hash Primitives for COTS Gen2 RFID Systems  
In Proc. of **ACM MobiCom**, Snowbird, UT, USA, Oct. 16-20, 2017.

### Journal Articles

29. Donghui Dai, **Zhenlin An**, Qingrui Pan, Lei Yang  
Harnessing NFC to Generate Standard Optical Barcodes for NFC-Missing Smartphones  
in **IEEE Transactions on Mobile Computing**, 2024.
30. Yanni Yang, **Zhenlin An**, Jiannong Cao, Yanwen Wang, Pengfei Hu, Guoming Zhang, Xiuzhen Cheng  
Jump out of Resonance: A Practical NFC Tag Fingerprinting Scheme  
in **IEEE Transactions on Mobile Computing**, 2024.
31. Xiaopeng Zhao, **Zhenlin An**, Qingrui Pan, Lei Yang  
Understanding Wireless Channels Through NeRF2  
in **ACM GetMobile (Research Highlights)**, 2024.
32. Xiaopeng Zhao, Shen Wang, **Zhenlin An**, Lei Yang  
Crowdsourced Geospatial Intelligence: Constructing 3D Urban Maps with Satellite Radiance Fields  
in **Proc. of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies**, 2024.
33. Yanni Yang, Pengfei Hu, Jun Luo, **Zhenlin An**, Jiannong Cao, Dongxiao Yu, Xiuzhen Cheng  
Romeo: Fault Detection of Rotating Machinery Via Fine-Grained Mmwave Velocity Signature  
in **IEEE Transactions on Mobile Computing**, 2024.
34. Xiaopeng Zhao, Guosheng Wang, **Zhenlin An**, Qingrui Pan, Qiongzhen Lin, and Lei Yang  
Pushing the Boundaries of High-Precision AoA Estimation with Enhanced Phase Estimation Protocol  
in **IEEE Internet of Things Journal**, 2024.
35. Qingrui Pan, **Zhenlin An**, Xiaopeng Zhao, Lei Yang  
The Power of Precision: High-Resolution Backscatter Frequency Drift in RFID Identification  
in **IEEE Transactions on Mobile Computing**, 2023.
36. Xueyuan Yang, **Zhenlin An**, Xiaopeng Zhao, Lei Yang  
Transfer Beamforming via Beamforming for Transfer  
in **IEEE Transactions on Mobile Computing**, Oct 2023.
37. Yue Yu, Yepeng Yao, Zhewei Liu, **Zhenlin An**, Biyu Chen, Liang Chen, Ruizhi Chen  
A Bi-LSTM approach for modelling movement uncertainty of crowdsourced human trajectories under complex urban environments, in **International Journal of Applied Earth Observation and Geoinformation**, Aug 2023.
38. **Zhenlin An**, Qiongzhen Lin, Lei Yang, Lei Xie  
Tagcaster: Activating Wireless Voice of Electronic Toll Collection Systems with Zero Start-up Cost  
in **IEEE/ACM Transactions on Networking (IEEE/ACM ToN)**, Apr 2022.
39. Qingrui Pan, **Zhenlin An**, Qiongzhen Lin, Lei Yang  
LSAB: Enhancing Spatio-Temporal Efficiency of AoA Tracking Systems  
in **ACM Transactions on Sensor Network (ACM TOSN)**, Apr 2022.
40. **Zhenlin An**<sup>†</sup>, Qiongzhen Lin<sup>†</sup>, Lei Yang, Yi Guo and Ping Li  
Localizing RFIDs in Pixel Dimensions  
in **ACM Transactions on Sensor Network (ACM TOSN)**, Feb 2022.

41. **Zhenlin An**, Lei Yang, Qiongzhen Lin  
Identifying UHF RFIDs in Range of Readers with WiFi  
in **IEEE/ACM Transactions on Networking** (IEEE/ACM ToN), Feb 2021.
42. Wenzhong Shi, Zhewei Liu, **Zhenlin An**, Pengfei Chen  
RegNet: a neural network model for predicting regional desirability with VGI data  
in **International Journal of Geographical Information Science** (IJGIS), 2021
43. **Zhenlin An**, Qiongzhen Lin, Lei Yang, Wei Lou and Lei Xie  
Acquiring Bloom Filters across Commercial RFIDs in Physical Layer  
in **IEEE/ACM Transactions on Networking** (IEEE/ACM ToN), May 2020.
44. **Zhenlin An**<sup>†</sup>, Qiongzhen Lin<sup>†</sup>, Lei Yang, Yi Guo  
Revitalizing Ultrasonic Positioning Systems for Ultrasound-Incapable Smart Devices  
in **IEEE Transactions on Mobile Computing** (IEEE TMC), February 2020.
45. Ping Li, **Zhenlin An**, Lei Yang, Panlong Yang, Qiongzhen Lin  
RFID Harmonic for Vibration Sensing  
in **IEEE Transactions on Mobile Computing** (IEEE TMC), January 2019.
46. Qiongzhen Lin, Lei Yang, Chunhui Duan, **Zhenlin An**  
Tash: Towards Selective Reading as Hashing Primitives for Gen2 RFIDs  
in **IEEE/ACM Transactions on Networking** (IEEE/ACM ToN), April 2019.

## GRANT AND FUNDING

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I have contributed to the writing of the following grants during my PhD and Postdoc:

- **As a co-PI:** Physical Neural Networks, PolyU Internal Funding, HKD 100M, 2023-2025, PI: Dr. Lei Yang.
- **NSF:** Enhancing Managed Spectrum Sharing with FR3-Cognizant Digital Twins, \$800, 000, NSF #2433914 and #2433915, 10/01/2024 - 09/30/2027. PI: Dr. Longfei Shanguan and Prof. Kyle Jamieson. The funding is based my submission paper and I contribute the main research objective sections.
- **Others:** Hong Kong Research Grants Council (RGC) General Research Fund (GRF): “A Protocol-Free Tracking Platform for the Internet of Things” and “Dual-Channel Near-Field Identification Tags: Deep-Learning Reinforced Design and Electronic-Inks Powered Fabrication”

## AWARDS AND HONOURS

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- **Best Paper Award Runner-up, ACM MobiCom** 2023
- Graduate Award, ACM MobiCom 2023
- **Best Paper Award, IEEE SECON** 2023
- **ACM SIGBED China Doctoral Dissertation Award** 2022
- Best Demo Award Runner-up (2/20), ACM MobiCom 2022
- **Best Paper Award (1/129), IEEE SECON** 2020
- Best-In-Session Presentation Award, IEEE INFOCOM 2019
- Student Travel Grant, IEEE INFOCOM 2019
- Best Demo Award Runner-up (2/27), ACM MobiCom 2018
- Outstanding Graduate, Dalian University of Technology 2017
- Meritorious Winner, Interdisciplinary Contest in Modeling (ICM) 2016
- Gold Award, International Visual Designer for Arduino Competition, Labcenter Electronics 2016

## TEACHING

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- Teaching Assistant at PolyU (Lecturer: Dr. Lei Yang) Spring 2021  
Web Application Design and Development (COMP 3421)
- Teaching Assistant at PolyU (Lecturer: Dr. Lei Yang) Fall 2020, Spring 2020  
Internet Computing and Applications (COMP 5322)
- Teaching Assistant at PolyU (Lecturer: Prof. Guiling Wang) Fall 2019  
Crowdfunding and E-finance (COMP 4141)
- Teaching Assistant at PolyU (Lecturer: Dr. Lei Yang) Fall 2018  
Enterprise Web and Internet Computing for Managers (COMP 5321)
- Teaching Assistant at PolyU (Lecturer: Dr. Lei Yang) Spring 2019, Spring 2018, Fall 2017  
Mobile Computing (COMP 4342)
- Teaching Assistant at DUT (Lecturer: Yingjie Zhang) 2014-2017  
Microcomputer Assembly and Commissioning

## INVITED TALK

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- 2024-10-08, “Neural Radio-Frequency Radiance Fields”, Rensselaer Polytechnic Institute, host: Ish Kumar Jain
- 2024-09-27, “Advancements in Wireless Sensing”, Palantir Technologies, host: Dr. Di Wang
- 2024-07-18, “Learning to understand radio environment”, Microsoft, host: Prof. Lili Qiu
- 2024-06-18, “RadioTwin”, Interdigital Long Island Research Center, host: John Kaewell
- 2023-06-30, “Neural Radio Frequency Radiance Field”, Dalian University of Technology, host: Prof. Chi Lin

## DEMOS AND PATENTS

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### Demos

1. Daidong hui, **Zhenlin An**, Qingrui Pan, Lei Yang  
Demo: MagCode: Bringing NFC Feature to All Smartphones  
In Proc. of **ACM MobiCom**, Madrid, Spain, Oct 2-6, 2023
2. Jingyu Tong, **Zhenlin An**, Xiaopeng Zhao, Sicong Liao, Lei Yang  
Demo: Radio Frequency Neural Networks for Wireless Sensing  
In Proc. of **ACM MobiCom**, Madrid, Spain, Oct 2-6, 2023 (**Graduate Award**)
3. Daidong hui, **Zhenlin An**, Lei Yang  
Demo: Inducing Wireless Chargers to Voice Out, [Project Page](#)  
In Proc. of **ACM MobiCom**, Sydney, Australia, Oct 17-22, 2022 (**Best Demo Award Runner-up**)
4. Zheng Gong, **Zhenlin An**, Jingyu Tong, Donghui Dai, Lei Yang  
Demo: Constructing Smart Buildings with In-concrete Backscatter Networks, [Project Page](#)  
In Proc. of **ACM MobiCom**, Sydney, Australia, Oct 17-22, 2022 (**Best Demo Award Runner-up**)
5. **Zhenlin An**, Qiongzhen Lin, Lei Yang  
Demo: Activating Wireless Voice for E-Toll Collection Systems with Zero Start-up Cost  
In Proc. of **ACM MobiCom**, Los Cabos, Mexico, Oct 21-25, 2019
6. **Zhenlin An**, Qiongzhen Lin, Lei Yang  
Demo: Near-Field Identification of UHF RFIDs with WiFi!  
In Proc. of **ACM MobiCom**, New Delhi, India, Oct 29-Nov 2, 2018 (**Best Demo Award Runner-up**)

### Patents

1. Donghui Dai, **Zhenlin An**, Qingrui Pan, Lei Yang. CN Patents No. CN116132956B (2023): Near field communication method and system based on camera magnetic field interference

2. Yanni Yang, Sen Jia, Dongxiao Yu, Peng Wang, **Zhenlin An**, Huafeng Xu, Jiannong Cao, Entao Sun, Chao Du. CN Patents No. CN115436938A (2023): Passive signal measuring device and measuring method based on millimeter wave radar
3. Qingrui Pan, **Zhenlin An**, Lei Yang. CN Patents No. CN115377702A (2022): Antenna array optimization method, device, terminal and storage medium
4. **Zhenlin An**, Xueyuan Yang, Lei Yang, Yuan Li, Hong Liu, Jia Jia, Renhui Sun. CN Patents No. CN116263868A (2021): Communication system, communication method and communication device
5. Xiaopeng Zhao, **Zhenlin An**, Lei Yang, Jia Jia, Renhui Sun, Hong Liu. CN Patents No. CN116437435A (2021): Positioning server, positioning method and back reflection communication system
6. Qiongzhen Lin, **Zhenlin An**, Lei Yang. CN Patents No. CN113050022B (2019): Image positioning method and device based on rotary antenna and terminal equipment

## PROFESSIONAL ACTIVITIES

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### Referee for submissions to journals:

- ACM/IEEE Transactions on Networking (2018-2024)
- IEEE Transactions on Mobile Computing (2022-2024)
- IEEE Internet of Things Journal (2019-2024)
- IEEE Transactions on Dependable and Secure Computing (2023-2024)
- ACM Transactions on Sensor Networks (2022)
- ACM Transactions on Internet of Things (2023)
- IEEE Embedded Systems Letters (2023)
- IEEE Journal of Radio Frequency Identification (2024)
- IEEE Transactions on Information Forensics and Security (2024)
- IEEE Transactions on Automation Science and Engineering (2024)
- Nature Science Reports (2024)
- International Journal of Communication Systems (2023-2024)
- Journal of Computer Science and Technology (2022)

### Referee for submissions to conference:

- 2024 IEEE ICPADS, ICA3PP, ACM MobiCom Artifacts
- 2023 IEEE ICPADS, ACM MobiCom Artifacts, ACM MobiArch
- 2022 IEEE ICPADS, EAI MobiQuitous, ACM SIGCOMM SRC Juror

### Editor Service:

- 2024 Electronics, Special Issue: Ubiquitous Computing and Mobile Computing, [Information Page](#)
- 2023 Sensors, Special Issue: Signal Processing for Sensors, [Information Page](#)

## REFERENCE

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- Dr. Lei Yang, (Ph.D. Advisor), Email: [young@tagsys.org](mailto:young@tagsys.org)  
Associate Professor in The Hong Kong Polytechnic University
- Dr. Jiannong Cao, (Ph.D. Co-advisor), Email: [csjcao@comp.polyu.edu.hk](mailto:csjcao@comp.polyu.edu.hk)  
Chair Professor in The Hong Kong Polytechnic University
- Dr. Longfei Shangguan, (Postdoc Co-advisor in Princeton), Email: [longfei@pitt.edu](mailto:longfei@pitt.edu)  
Assistant Professor in University of Pittsburgh