Pan Qingrui

PQ509, The Hong Kong Polytechnic University, Hong Kong

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Summary

I am an enthusiastic, adaptive, and fast-learning person with a broad and acute interest in Artificial intelligence of things (AIoT), indoor localization, wireless sensing, backscatter communication, and physical-layer identification.

Education

The Hong Kong Polytechnic University   *Hong Kong*

Ph.D. in Computer Science   *Sept 2019 - Current*

- Chief Supervisor: Dr. Lei Yang, Co-supervisor: Prof. Bin Xiao

City University of Hong Kong   *Hong Kong*

B.E. in Information Engineering   *Sept 2013 - May 2017*

- Bachelor of Engineering in Information Engineering with First Class Honours

Publications

CONFERENCE PROCEEDINGS

MagCode: NFC-Enabled Barcodes for NFC-Disabled Smartphones
  Donghui Dai, Zhenlin An, Qingrui Pan, Lei Yang
  Proceedings of the 29th Annual International Conference on Mobile Computing And Networking, 2023, Madrid, Spain

NeRF2: Neural Radio-Frequency Radiance Fields
  Xiaopeng Zhao, Zhenlin An, Qingrui Pan, Lei Yang
  Proceedings of the 29th Annual International Conference on Mobile Computing And Networking, 2023, Madrid, Spain

LSAB: Enhancing Spatio-Temporal Efficiency of AoA Tracking Systems
  Qingrui Pan, Zhenlin An, Qiongzheng Lin, Lei Yang
  IEEE INFOCOM 2022 - IEEE Conference on Computer Communications, 2022

RF-DNA: Large-Scale Physical-Layer Identifications of RFIDs via Dual Natural Attributes
  Qingrui Pan, Zhenlin An, Xueyuan Yang, Xiaopeng Zhao, Lei Yang
  Proceedings of the 28th Annual International Conference on Mobile Computing And Networking, 2022, Sydney, NSW, Australia

Turbocharging Deep Backscatter Through Constructive Power Surges with a Single RF Source
  Zhenlin An, Qiongzheng Lin, Qingrui Pan, Lei Yang
  IEEE INFOCOM 2021 - IEEE Conference on Computer Communications, 2021

JOURNAL ARTICLES

LSAB: Enhancing Spatio-Temporal Efficiency of AoA Tracking Systems
  Qingrui Pan, Zhenlin An, Lei Yang, Qiongzheng Lin
  ACM Trans. Sen. Netw. 18.4 (Nov. 2022). Association for Computing Machinery, 2022

Work Experience

Huawei Technologies, Co. Ltd   *Shenzhen, China*

Assistant Researcher   *Oct - Dec 2020*

Moxie Culture Communication, Co.   *Shenzhen, China*

Content Creator   *Nov 2016 - Mar 2019*

Technische Hocheschule Nürnberg   *Nürnberg, Germany*

Student Research Assistant   *May - July 2016*

Teaching Experience

COMP2021 Object-Oriented Programming   *PolyU, HK*

Teaching Assistant   *Fall 2019/2020*

COMP3421 Web Application Design and Development   *PolyU, HK*

Teaching Assistant   *Spring 2020/2021/2022*

Awards and Scholarships

2022	**INFOCOM Student Conference Grant**, INFOCOM	*Virtual*
2022	**MobiCom'22 Travel Grant**, MobiCom	*Sydney, Australia*
2017	**Assistantship under the Teaching Postgraduate Studentship Scheme**, The Hong Kong Polytechnic University	*Hong Kong*
2016	**Overseas Internship Scheme**, City University of Hong Kong	*Hong Kong*
2013	**CityU Mainland Student Scholarship Scheme - Full Tuition Scholarship**, City University of Hong Kong	*Hong Kong*