



Qinpei Luo

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EDUCATION

•University of California, San Diego

2024-

Electrical and Computer Engineering, Doctor of Philosophy

Advised by [Dr. Xinyu Zhang](#)

•School of Electronics Engineering and Computer Science, Peking University

2019-2024

Major: Electronic Information Engineering, Bachelor of Science

CGPA/Percentage: 3.697/Top 3

Advised by [Dr. Boya, Di](#)

•National School of Development, Peking University

2021-2024

Double Degree: Economics, Bachelor of Economics

RESEARCH INTERESTS

Wireless Communication and Networks

5G and beyond

Internet of Things

Mobile Computing

Edge Computing

Sensing and Localization

Augmented Reality and Virtual Reality

Machine Learning

Deep Learning

Reinforcement Learning

Transfer and Meta learning

PUBLICATIONS

1. LUO, Q., AND DI, B. Meta Learning for Meta-Surface: A Fast Beamforming Method for RIS-Assisted Communications Adapting to Dynamic Environments. In [IEEE INFOCOM 2023 - IEEE Conference on Computer Communications Workshops \(INFOCOM WKSHPS\)](#) (May 2023), pp. 1–2
2. LUO, Q., DI, B., AND HAN, Z. Meta-Critic Reinforcement Learning for IOS-Assisted Multi-User Communications in Dynamic Environments. In [2023 IEEE 97th Vehicular Technology Conference \(VTC2023-Spring\)](#) (Jun. 2023), pp. 1–6
3. LUO, Q., YANG, Z., DI, B., AND XU, C. Demo: Meta2Locate: Meta Surface Enabled Indoor Localization in Dynamic Environments. In [Proceedings of the Twenty-Fourth International Symposium on Theory, Algorithmic Foundations, and Protocol Design for Mobile Networks and Mobile Computing](#) (New York, NY, USA, Oct 2023), MobiHoc '23, Association for Computing Machinery, p. 312–313
4. LUO, Q., HAN, Z., AND DI, B. Meta-critic reinforcement learning for intelligent omnidirectional surface assisted multi-user communications. [IEEE Transactions on Wireless Communications](#) 23, 8 (2024), 9085–9098
5. LUO, Q., ZHANG, H., XU, M., DI, B., CHEN, A., MAO, S., NIYATO, D., AND HAN, Z. An Overview of 3GPP Standardization for Extended Reality (XR) in 5G and Beyond. [GetMobile: Mobile Comp. and Comm.](#) 27, 3 (Nov 2023), 10–17
6. LUO, Q., GAO, J., AND DI, B. Horus: Enhancing safe corners via integrated sensing and communication enabled by reconfigurable intelligent surface. In [Proceedings of the 30th Annual International Conference on Mobile Computing and Networking](#) (New York, NY, USA, 2024), ACM MobiCom '24, Association for Computing Machinery, p. 2187–2190

For more details, please visit my homepage and find the [publications](#) link.

RESEARCH CENTER AFFILIATION

•Graduate Student Researcher

2024-

Center for Wireless Communications, University of California, San Diego

La Jolla, USA

– Advised by Dr. Xinyu Zhang from Electrical and Computer Engineering, University of California, San Diego.

•Research Intern

2022-2024

Future Internet of Things Lab, Peking University

Beijing, China

– Advised by Dr. Boya, Di from School of Electronics, Peking University.

PRESENTATIONS

In-person Poster Session

In IEEE Conference on Computer Communications, Hoboken, NJ, USA, May 2023.

Virtual Oral Presentation

In IEEE 97th Vehicular Technology Conference, Florence, Italy, Jun. 2023.

In-person Demo Session

In the 24th International Symposium on Theory, Algorithmic Foundations, and Protocol Design for Mobile Networks and Mobile Computing, Washington DC, USA, Oct. 2023.

In-person Oral Presentaton

In the 30th Annual International Conference on Mobile Computing and Networking, Washington DC, USA, Nov. 2024.

POSITIONS OF RESPONSIBILITY

•**Reviewer**, The 98th IEEE Vehicular Technology Conference (VTC2023-Fall)

•**Reviewer**, International Conference on Wireless Communications and Signal Processing

•**Reviewer**, IEEE Internet of Things Journal

•**Reviewer**, IEEE Transactions on Vehicular Technology

•**Reviewer**, IEEE International Conference on Machine Learning for Communication and Networking

•**Reviewer**, IEEE International Conference on Communications

•**Reviewer**, IEEE Transactions on Machine Learning in Communications and Networking

AWARD & FUNDING

•**Innovation Project of Science**

2022-2024

•**Undergraduate Research Program**, sponsored by Peking University

2022-2024

•**Academic Innovation Award**, awarded by Peking University

2023

•**Outstanding Research Award**, awarded by Peking University

2023

•**Shenzhen Stock Exchange Fellowship**, awarded by Peking University and Shenzhen Stock Exchange

2023

•**Best Undergraduate Dissertation Award**, awarded by School of Electronics Engineering and Computer Science, Peking University

2024

•**Outstanding Undergraduate Graduation Thesis**, awarded by Peking University

2024

•**Outstanding Graduate in Electronic Information Engineering** awarded by School of Electronics Engineering and Computer Science, Peking University

2024