



Qinpei Luo

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[GitHub Profile](#)

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

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

EXPERIENCE

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

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**, sponsored by the government of Beijing *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*
- Top 10 Excellent Graduation Thesis**, 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*