

Xinquan Wang

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Education Experience

- 2021–Present **BEng in progress, Zhejiang University, Hangzhou, China**
- Major in Information Engineering, GPA 3.94/4.0
 - Predicted to be granted with Bachelor's degree in June 2025

Internship

- 2022–Present **Institute of information, communication and network engineering, ZJU.**
- Undergraduate research assistant, instructor: Prof. Chongwen Huang
 - Mainly doing research on beamforming optimization for communications

Publications

- Paper 1 **X. Wang**, et al., “Energy-efficient beamforming for RISs-aided communications: gradient based meta learning,” in Proc. of the 2024 IEEE **International Conference on Communications (ICC)**, June 9, 2024, pp. 5.98. **arXiv available.**
- Paper 2 F. Zhu, **X. Wang**, C. Huang, Z. Yang, X. Chen, A. Alhammedi, Z. Zhang, C. Yuen and M. Debbah, “Robust Beamforming for RIS-aided Communications: Gradient-based Manifold Meta Learning,” submitted to **IEEE Transactions on Wireless Communications**, 2024. Under major revisions. **arXiv available.**
- Paper 3 F. Zhu, **X. Wang**, C. Huang, A. Alhammedi, H. Chen, Z. Zhang, C. Yuen and M. Debbah, “A Beamforming Inferring by Conditional WGAN-GP for Holographic Antenna Arrays,” submitted to **IEEE Wireless Communications Letters**, 2024. Under major revisions.
- Patent 1 **X.wang**, et al. A cross-scenario robust beamforming design method based on hybrid meta-learning. China [P]. Application number: 2023114010845. Application date: October 26, 2023.
- Patent 2 F.Zhu, **X.Wang**, et al. RIS-assisted robust beamforming design method based on manifold element learning. China [P]. Apply No.: 2024100876989. Application date: January 22, 2024.

Honors and Awards

- 2022 2021-2022 **Zhejiang University Scholarship**
- 2022 2021-2022 **Academic Excellence Award** from ZJU
- 2022 2021-2022 **Student Innovation and Entrepreneurship Award** from ZJU

2023 2022-2023 **Zhejiang University Scholarship**
2023 2022-2023 **Academic Excellence Award** from ZJU
2023 2022-2023 **Student Leadership Award** from ZJU

Skills

Programming Python, Pytorch, Latex, C, etc.
Softwares Matlab, HFSS, etc.
English TOEFL 96 points (May 2023)