

Yongtai Yin

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Last Updated: December 30, 2024

Research Interests

Signal Processing, Optimization, Wireless Communications

Education

The Chinese University of Hong Kong (CUHK)

Ph.D. Student, in Electronic Engineering

– Supervisor: Wing-Kin Ma

Hong Kong SAR

2024 – Present

Northwestern Polytechnical University (NWPU)

M.Eng., in Information and Communication Engineering

– Supervisors: Ling Wang and Yuexian Wang

Xi'an, China

2021 – 2024

Northwestern Polytechnical University (NWPU)

B.Eng., in Communication Engineering

Xi'an, China

2017 – 2021

Employment

The Chinese University of Hong Kong (CUHK)

Research Assistant, Supervisor: Wing-Kin Ma

Hong Kong SAR

Apr. 2024 – Jul. 2024

Honors & Awards (Selected)

- Postgraduate Studentship, CUHK, 2024
- Outstanding Master's Thesis, NWPU, 2024
- Outstanding Graduates (for Postgraduates), NWPU, 2024
- Outstanding Graduates (for Undergraduates), NWPU, 2021

Publications (Selected)

- **Yongtai Yin**, Yuexian Wang*, Yanyun Gong, Neeraj Kumar, Ling Wang, and Joel J. P. C. Rodrigues
“Joint Multipath Channel Estimation and Array Channel Inconsistency Calibration for Massive MIMO Systems”
IEEE Internet of Things Journal, 2024 [DOI Link](#)
- **Yongtai Yin**, Yuexian Wang*, Tiantian Dai, and Ling Wang
“DOA Estimation Based on Smoothed Sparse Reconstruction with Time-Modulated Linear Arrays”
Signal Processing, 2024 [DOI Link](#)
- **Yongtai Yin**, Yuexian Wang*, Yanyun Gong, Zhaolin Zhang, and Ling Wang
“Biquaternion-Based DOA Estimation of Noncircular Signals with Time-Modulated Antenna Arrays”
AEU - International Journal of Electronics and Communications, 2023 [DOI Link](#)

Skills & Interests

Programming	Matlab = LaTeX > C > Python
Languages	English (fluent), Mandarin (native)
Interests	badminton, bodyweight exercise, science fiction