

Yongtai Yin

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Last Updated: October 12, 2024

Research Interests

Signal Processing, Optimization, Wireless Communications

Education

The Chinese University of Hong Kong (CUHK) <i>Ph.D. Student, in Electronic Engineering</i> – Supervisor: Wing-Kin Ma	Hong Kong SAR 2024 – Present
Northwestern Polytechnical University (NWPU) <i>M.Eng., in Information and Communication Engineering</i> – Supervisors: Ling Wang and Yuexian Wang	Xi'an, China 2021 – 2024
Northwestern Polytechnical University (NWPU) <i>B.Eng., in Communication Engineering</i>	Xi'an, China 2017 – 2021

Employment

The Chinese University of Hong Kong (CUHK) <i>Research Assistant, Supervisor: Wing-Kin Ma</i>	Hong Kong SAR Apr. 2024 – Jul. 2024
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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*, 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 (Early Access), 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