

# Yongtai Yin

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Last Updated: August 14, 2024

## Research Interests

Signal Processing, Optimization, Wireless Communications

## Education

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

## Employment

<b>The Chinese University of Hong Kong (CUHK)</b> <i>Research Assistant, Supervisor: Wing-Kin Ma</i>	<b>Hong Kong SAR</b> Apr. 2024 – Jul. 2024
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## Honors & Awards (Selected)

- **Postgraduate Studentship**, CUHK, 2024
- **Outstanding Graduates** (for Postgraduates), NWPU, 2024
- **The First-Class Academic Scholarship**, NWPU, 2023
- **Outstanding Graduates** (for Undergraduates), NWPU, 2021
- **The First Prize Scholarship**, NWPU, 2019

## 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

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