Zhang Zhaopeng

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Education

Nankai University *Sept 2017 - June 2021*
B.S. *in Automation*
- **Coursework:** C++ Programming, Introduction to Robotics, Automatic Control Theory

Nankai University *Sept 2021 - June 2023*
M.Phi. *in Control Science and Engineering*
- **Research:** Visual servoing control for aerial manipulators

Nankai University *Sept 2023 - now*
Ph.D. Candidate *in Control Science and Engineering*
- **Research:** Motion planning for aerial manipulators

Publications

RINGO: Real-time Navigation with a Guiding Trajectory for Aerial Manipulators in Unknown Environments *Apr 2025*
arXiv, 2025
Zhang Zhaopeng, Shizhen Wu, Chenfeng Guo, Fang Yongchun, Han Jianda, Liang Xiao*

An End-Effector-Oriented Coupled Motion Planning Method for Aerial Manipulators in Constrained Environments *Mar 2025*
IEEE Transactions on Mechatronics, 2025, DOI: 10.1109/TMECH.2025.3550562 ⬈
Zhang Zhaopeng, Yu Hai, Chai Yi, Yang Zhichao, Liang Xiao*, Fang Yongchun, Han Jianda

Visual servoing control for aerial manipulator via hierarchical motion decomposition *May 2023*
Control Theory and Applications, in Chinese, 41(5), 2024
Zhang Zhaopeng, He Wei, Liang Xiao*, Han Jianda, Fang Yongchun

An anti-swing controller for aerial transportation system with flexible suspending rope *Oct 2021*
Asian Conference on Artificial Intelligence Technology (ACAIT), 2021
Zhang Zhaopeng, Liang Xiao*, Zhang Zhuang, Han Jianda

Coding Skills

Languages: C++, Python, MATLAB, ROS

Languages

Chinese: Native, including *Mandarin* and *Cantonese*
English: Fluent
Japanese: Basic