

Kang Tang (He/Him/His)

1088 Xueyuan Avenue, Shenzhen 518055, China

Website: kangtang0.github.io/

Email: 12132291@mail.sustech.edu.cn

EDUCATION

Southern University of Science and Technology

Shenzhen, China

M. Eng., Intelligent Manufacturing and Robotics. GPA: 3.63/4.00 (4/51, 10%)

Expected Jun 2024

- Core course: Intelligent Data Analysis (A-), Matrix Analysis (A-), Fundamental of Information Technology (A+), Theory and practice of innovative design (A), Continuum mechanics (A+), Optimization in Engineering (B), Advanced Numerical Analysis (B)

Southern University of Science and Technology

Shenzhen, China

B. Eng., Mechanical Engineering.

Jun. 2019

PROJECT & RESEARCH EXPERIENCE

Southern University of Science and Technology

Shenzhen, China

Advisor: Prof. [Yongsheng Ma](#)

Feb. 2023 – Jun. 2024 (Expected)

M. Eng Thesis: Optimal Sensor Placement in Source Localization and Tracking

Southern University of Science and Technology

Shenzhen, China

Advisor: Prof. Yongsheng Ma

Jan. 2022 – Mar. 2023 (Expected)

Intern. Event camera-based SLAM

PUBLICATIONS

- A first author paper submitted to IEEE Radar Conference (2024). Optimal Sensor Placement Using Combinations of Hybrid Measurements for Source Localization (under review)
- A first author paper submitted to IEEE Signal Processing Letters. Optimal Sensor Placement Using Decentralized TDOA System in Target Localization (under review)
- A first author paper to be submitted to IEEE Transactions on Vehicular Technology. Frame Theory for Optimal Sensor Placement Using 3D Hybrid RSS-TOA-AOA Measurements in Source Localization
- Chinese patent. A Type of Optical System in LiDAR (under review)

RESEARCH INTERESTS

- Signal Processing, Source Localization, State Estimation
- Human Sensing, Intelligent Wireless Sensing Systems, Machine Learning

SKILLS

Programming: Python, Matlab, Pytorch, C++, Linux

Mathematics: Matrix theory, Probability theory

Engineering: 3D Printing, 3D Digital Model Construction, Mechanics Simulation

AWARDS

- Second price. China Undergraduate Mathematical Contest in Modeling
- Third price. Formula Students Electrical China
- Third price. Capital stone in the College of Engineering
- Third price. Course 'Scientific Research Method'