

Personal Resume

Information

Yuewen Zhu

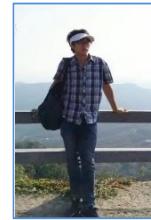
Native place: Huai'an, Jiangsu

Birthday: 1995.3.9

Telephone: 13057589252

Email: 11930204@mail.sustech.edu.cn

HomePage: <https://zywok.github.io/>



Education

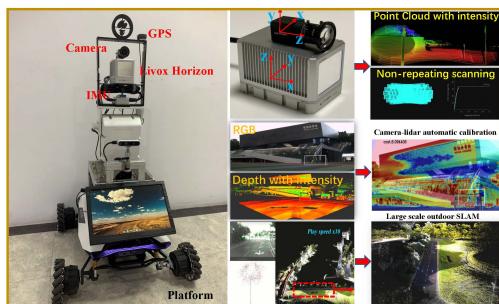
Sept.2014-July.2018 Nanjing University of Information Science and Technology Major: Electronic Information Engineering

Sept.2019-July.2021 Southern University of Science and Technology Major: Robot SLAM and multi-sensor fusion

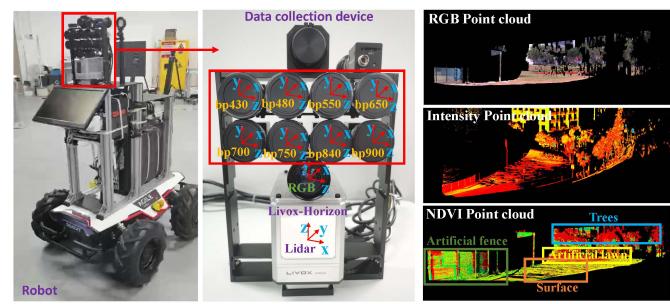
Projects

- 2016 National Electronics Design Contest : Ultrasonic amplifier circuit design and program-controlled ranging
- 2017 National Electronics Design Contest : Amplitude Frequency characteristic analyzer
- 2017 FPGA Invitation Contest : Arbitrary waveform signal generator & Equal precision digital frequency meter
- 2017 Beidou Cup Electronic Design Competition: Meteorological parameter detector design
- 2018 Bachelor design : 60GHz millimeter wave software drive system
- 2019 SDIM online-library Website : Quick borrowing library website based on QR code
- 2020 SUSTech Electronics Design Contest: Image processing of 2D convolution filter based on FPGA
- 2021 ICRA Accepted: CamVox: A Low-cost and Accurate Lidar-assisted Visual SLAM System (**session co-chair**)
- 2021 Master Thesis: Application of opoelectronic semiconductors in precision agricultural robot perception

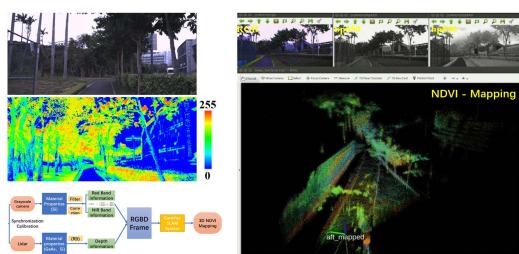
Research



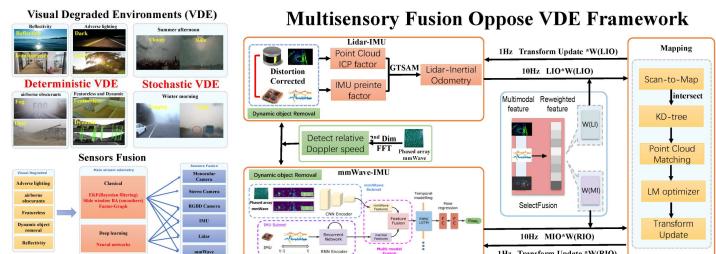
CamVox: Lidar-assisted Visual SLAM System



Precision Agricultural Robot Perception



Real-time 3D Multispectral SLAM System



Multisensory Fusion Oppose VDE Framework

Direction

In the past, I mainly focus on Embedded ,Hardware, sensor driver and a little about website.

Now, just stay in the basic aspects in SLAM. Such as pre-processing, synchronization,calibration,Sensor fusion.

The following, I will further explore the application of combining classic algorithms, machine learning and data-driving in robot perception, detection, navigation, etc. Or integrate the knowledge that has been mastered before.