BAICHUAN HUANG

LuojiaShan, Wuchang District, Wuhan 430079

(+86)13297995872 ⋄ huangbaichuan@whu.edu.cn ⋄ huangbaichuan.sxl.cn

EDUCATION

Wuhan University, China   *September 2018 - Present*
Master in Computer Computer Application Technology
State Key Laboratory of Information Engineering in Surveying, Mapping and Remote Sensing

Wuhan University, China   *September 2014 - June 2018*
Bachelor in Electronic Information Engineering
School of Electronic Information

RESEARCH INTEREST

- Simultaneous Localization and Mapping (SLAM) and Indoor Positioning
- 3D Deep Learning

RESEARCH EXPERIENCE

Nanyang Technology University, Singapore   *July 2019 - September 2019*
Research Assistant

· School of Computer Science and Engineering
· A Survey of SLAM (arXiv:1909.05214v2)

Wuhan University, China   *June 2018 - June 2019*
Master Degree

· State Key Laboratory of Information Engineering in Surveying, Mapping and Remote Sensing
· The National Science Fund of China with Project No.41874031; Indoor Positioning
· The Technology Innovation Program of Hubei Province with Project No. 2018AAA070; SLAM

Wuhan University, China   *November 2016 - November 2017*
In charge

· School of Electronic Information
· Project of Innovation of and Entrepreneurship for National Undergraduates
· Evaluated as Excellent: Target Detection and Tracking between Multiple Cameras

PUBLICATION

- **Huang, B.**, Jun Zhao and Jingbin Liu. A Survey of Simultaneous Localization and Mapping, 2019; arXiv:1909.05214v2.

- **Huang, B.**, Liu, J.; Sun, W.; Yang, F. A Robust Indoor Positioning Method based on Bluetooth Low Energy with Separate Channel Information. Sensors 2019, 19, 3487.

- LIU Jingbin, **HUANG Baichuan**, ZHANG Bin. AOA Estimation Based on Channel State Information Extracted from WiFi with Double Antenna. GEOMATICS AND INFORMATION SCIENCE OF WUHAN UNIVERS, 2018, 43(12): 2167-2172.

- **HUANG Bai-Chuan**, CAI Xu-Yi,DING Chu-Jiang,XU Han.Measurement of Size in Three-Dimensional Scene Based on Monocular Camera.COMPUTER SYSTEMS APPLICATIONS,2018,27(2):175-179.

AWARD AND PATENT

- **China Undergraduate Mathematical Contest in Modeling**
  Second Prize of National
- **Electronic Design Contest in Wuhan University**
  Second Prize
- **Software Copyright**
  Patent Number: 2017SR236941; 2017SR367065; 2017SR368776; 2017SR237026
- **Patent for Utility Models**
  Patent Number: 201720407480.2; 201720436398.2
- **Patent for Invention**
  Patent Number: 201910123353.3; 201910375732.1 (Accepted)

PROGRAMMING AND SOFTWARE SKILLS

- Latex, Matlab, Unix/Linux Shells, Vim, Tensorflow, Python, C++.