



Zhihao Liu

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Professional Experience

- Postdoc Researcher, KTH Royal Institute of Technology.
- Postdoc Research Fellow, Centre of Excellence in Production Research (XPRES), Sweden.
- Member of ACM and ACM Europe Technology Policy Committee.
- Member of IEEE and IEEE Technical Committee on Robot Learning.
- International Conference Committee Member: ICIDM2018, IWAR2018.
- Journal Reviewer: AI, IEEE TNNLS, IEEE TII, IEEE TIE, IEEE TASE, IEEE TCDS, IEEE THMS, IJHCI, AEI, RCIM, ESWA, EAAI, JMP, IJPR, IJPE, CIE, etc.

Education

- Guest Ph.D.** KTH Royal Institute of Technology, Sweden. 2019 – 2021
- Robotics and Artificial Intelligence. Supervisor: Prof. Lihui Wang
- Ph.D.** Wuhan University of Technology, China. 2018 – 2023
- Information and Communication Engineering. Supervisor: Prof. Quan Liu, Prof. Wenjun Xu
- M.Eng.** Wuhan University of Technology, China. 2016 – 2018
- Information and Communication Engineering. Supervisor: Prof. Quan Liu, Prof. Wenjun Xu
- B.Eng.** Wuhan University of Technology, China. 2012 – 2016
- Communication Engineering. Supervisor: Prof. Wenjun Xu

Skills

- Deep Learning, Robot Learning, Deep Reinforcement Learning (Tensorflow, PyTorch)
- Digital Twin and Metaverse (Unity3D)
- Robotic Application Design (ROS1&2, industrial robots such as ABB/UR/KUKA, etc.)
- Programming (Python, C, C++, C#, Java, ABB RAPID, etc.)
- WEB development (Html / CSS, Java Web, JavaScript, Database, etc.)
- Hardware Design (Basic PCB, Embedded Systems, etc.)
- Human-Robot Collaboration System, Quadrotor Robot Design (Multiple sensors)
- Proposal Writing, Project / Team Management, Master Student Supervision
- Public Speaking and Presenting
- Academic English, Chinese

Selected Awards

- Academia**
- Honorary Paper, 51st CIRP Conference on Manufacturing Systems, 2018
- Best Application Paper Award, 11st CIRP Conference on Industrial Product-Service Systems, 2019

Selected Scholarship

- National Scholarship for Ph.D. Candidates, Ministry of Education, China, 2021
- 1st-class Scholarship for Ph.D. Candidates, Wuhan University of Technology, 2021
- 1st-class Scholarship for Ph.D. Freshmen, Wuhan University of Technology, 2018
- 1st-class Scholarship for Postgraduate Students, Wuhan University of Technology, 2017
- Outstanding Scholarship (above the 1st-class) for Postgraduate Freshmen, Wuhan University of Technology, 2016

Selected Honour

- Outstanding Doctoral Thesis Award, Wuhan University of Technology, 2023
- Merit Postgraduate Students, Wuhan University of Technology, 2017
- Outstanding Graduate (Bachelor), Wuhan University of Technology, 2016

Academic Performance

- ♦ **Journal Papers:** 11 (Web of Science indexed)
- ♦ **Conference Papers:** 12
- ♦ **Citations:** 888 ♦ **H-index:** 12 (Google Scholar)
- ♦ **Seminar and Conference Presentations:** 16
- ♦ **Patents:** 7 ♦ **Software Copyright:** 5
- ♦ **Journal Special Issue:** 1