



Zhihao Liu

Ph.D., MIEEE, MACM,

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Professional Experience

- Postdoc Research Fellow, KTH Royal Institute of Technology.
- Member of ACM Europe Technology Policy Committee.
- Postdoc Research Fellow, Centre of Excellence in Production Research (XPRES), Sweden.
- International Conference Committee Member: ICIDM2018, IWAR2018.
- Journal Reviewer: AI, IEEE TNNLS, IEEE TASE, IJHCI, AEI, RCIM, ESWA, IJPR, 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 Neural Models, 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

- Merit Postgraduate Students, Wuhan University of Technology, 2017
- Outstanding Graduate (Bachelor), Wuhan University of Technology, 2016
- Merit Student, School of Information Engineering, Wuhan University of Technology, 2015

Professional

- Special Prize (above 1st Prize), TI (Texas Instruments) Undergraduate Electronics Design Contest in Hubei Province, 2014

Academic Performance

- **Journal Papers:** 10 (Web of Science indexed)
- **Conference Papers:** 12
- **Citations:** 738 • **H-index:** 12 (Google Scholar)
- **Seminar and Conference Presentations:** 16
- **Patents:** 7 • **Software Copyright:** 5