



Zhihao Liu

Ph.D. Student

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I am a 1st-year Ph.D. student enrolled in a Master-Ph.D. program in Information Engineering. I am also a member of Robotic and Sustainable Manufacturing Laboratory (RSML) in WUT. My research interests include industrial human-robot collaboration, deep reinforcement learning, robotic applications, intelligent planning, scheduling and related topics.

Education

- B.Eng. Wuhan University of Technology, Wuhan 2012 – 2016
Communication Engineering.
- M.Eng. Wuhan University of Technology, Wuhan 2016 – 2018 (Recommend Exemption)
Information and Communication Engineering. Supervisor: Prof. Quan Liu
- Ph.D. Wuhan University of Technology, Wuhan 2018 – Now (Recommend Exemption)
Information and Communication Engineering. Supervisor: Prof. Quan Liu

Skills

- Programming (C, C#, Java, RAPID, Embedded Systems, etc.)
- WEB development (Html / CSS, Java Web, JavaScript, Database, etc.)
- Hardware Design (Basic PCB)
- Quadrotor Robot Design (Multiple sensors)
- Robotic Application Design (Industrial robots such as ABB / KUKA)
- Project / Team Management
- Microsoft Office
- Public Speaking
- Academic English (IELTS 7.0)

Awards

- Honorary Paper, 51st CIRP Conference on Manufacturing Systems, 2018
- 1st-class Scholarship for Ph.D. Freshmen, Wuhan University of Technology, 2018
- 1st-class Scholarship for Postgraduate Students, Wuhan University of Technology, 2017
- Merit Postgraduate Students, Wuhan University of Technology, 2017
- Outstanding Scholarship (above the 1st-class) for Postgraduate Freshmen, Wuhan University of Technology, 2016
- Outstanding Graduate (Bachelor), Wuhan University of Technology, 2016
- Outstanding Student (Bachelor, Extracurricular Raise Plan), Wuhan University of Technology, 2016
- 3rd Prize, National Undergraduate Electronics Design Contest, Division of Hubei Province, 2015

- Merit Student, School of Information Engineering, Wuhan University of Technology, 2015
- 3rd-class Scholarship for Undergraduate Students, Wuhan University of Technology, 2015
- 2nd Prize, 8th Electric and Electronic Innovation Design Competition, Wuhan University of Technology, 2015
- Special Prize (above 1st Prize), TI (Texas Instruments) Undergraduate Electronics Design Contest in Hubei Province, 2014
- 3rd Prize, 7th Electric and Electronic Innovation Design Competition, Wuhan University of Technology, 2014
- Outstanding Participants, Wuhan University of Technology, 2012

Projects Participated

- An integrated positioning and recognition system based on RFID technology.
- Stamping workshop production line energy consumption monitoring and management system.
- RobotCube: a voluntary project aiming at building up the fundamentals of robotic research. This project started a new research orientation for RSML.

Service and Leadership

- Student Leader of a research group with more than 15 postgraduate students, Now
- Student Guider, National Undergraduate Electronics Design Contest, 2017
- Student Guider, TI Cup Undergraduate Electronics Design Contest in Hubei Province, 2016
- Project Leader, Project RobotCube, 2016
- Vice Minister, Organization Department of the Youth League Committee, School of Information Engineering, 2013
- Volunteer, Youth Volunteers Association, School of Information Engineering, 2013
- Secretary, Organization Department of the Youth League Committee, School of Information Engineering, 2012

Academic Activities

- The 2nd Conference on Digital Twin and Intelligent Manufacturing Service, 21/7/2018, Zhengzhou, China
- The 51st CIRP Conference on Manufacturing Systems, 17/5/2018, Stockholm, Sweden (3 presentations)
- IEEE 15th International Conference on Networking, Sensing and Control, 27/3/2018, Zhuhai, China (2 presentations)
- The 3rd International Conference on Industrial Informatics - Computing Technology, Intelligent Technology, Industrial Information Integration, 2/12/2017, Wuhan, China
- The 10th International Conference on Intelligent Robotics and Applications, 15/8/2017, Wuhan, China
- The 1st Conference on Digital Twin and Intelligent Manufacturing Service, 25/7/2017, Beijing, China
- 2015 International Forum of IoT and Applications, 26/11/2015, Wuhan, China