

Yang Chen

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Address: Tsukuba shi, Tsukuba University, Oikoshi dormitory



Education

- Bachelor: Jilin University Sep 2013-June 2017
Bachelor of pilot program in engineering (Mechanical Engineering and Automation)
- Ph.D program in Empowerment Informatics
University of Tsukuba April 2018-March 2023
Development of a sharing control system for a standing mobility vehicle
Supervised by Prof. [Kenji Suzuki](#)
- Visiting student
EPFL Aug 2019-Oct 2020
Autonomous docking system for a standing mobility device
Supervised by Prof. [Aude Billard](#)

Scientific research experience

- MEMS Laboratory of Jilin University April 2016- June 2017
Explore the way of designing the piezoelectric dividing structure to both realize the stress distributing evenly and achieve largest output voltage
- Research student in Intelligent Interaction Technologies:
University of Tsukuba October 2017- March 2018
Research topic: A standing mobility vehicle
- Artificial intelligence Lab in University of Tsukuba April 2018- May 2018
6-week project: Autonomous obstacle avoidance vehicle
- EMP Project based research April 2018-December 2018
Development of VR Alice's Experience System: "Does human body size affect recognition of environment?"
- Challenge Grant April 2019-Feb 2020
Development of a Tennis Wheelchair
- Abema TV project April 2019-Feb 2020
Wemo: development of a personal mobility device

Scientific research experience

- [C. Yang](#), D. Paez Granados, and K. Suzuki, "Torso control system with a sensory safety bar for a standing mobility device," Proceedings of the 2019 International Symposium on Micro-Nano Mechatronics and Human Science (MHS2019), Dec, 2019, pp. 1-4
- [Chen Yang](#), Diego Paez-Granados, Kenji Suzuki, "Upper-Body Sensing Based Control System with Docking Support on A Standing Mobility Device", 生体医工学シンポジウム, 予稿・抄録集, 2019, 1A-23.

Honors & Awards

- Jilin University third-class scholarship September 2015 & September 2016

- Mathematical Modeling Contest Third Prize *December 2015*
- 1st prize in First Robotics Competition of Jilin University *March 2017-May 2017*
- Finalist in Toyota Mobility Challenge *April 2018-September 2020*

Activities

- Interdisciplinary Workshop for Leading Students 2018 (IW4LS): 1st prize in final presentation *April 2018*
- Summer workshop Vitality& City in Netherlands *August 2018*
- Summer workshop in Waseda University: 1st prize in final presentation *October 2018*
- Visit Shiseido Museum, NEC laboratory, Hitachi laboratory, Fujitsu laboratory

Languages

- Chinese(native), English, a little bit Japanese

Computer skills

- CATIA, AutoCAD, Fusion 360, Adams, Matlab, Arduino programming, C programming, Python, Linux, ROS, C++