

AISL-TUT (Toyohashi, Aichi, Japan)



Development point

We have focused on the development of the system to perform basic motions reliably. We developed not so fancy but important functions, such as accurate recognition of the object for grasping and judgment of the success grasping, and improved the basic motions, such as opening a drawer and placing an object.



Introduction of your team

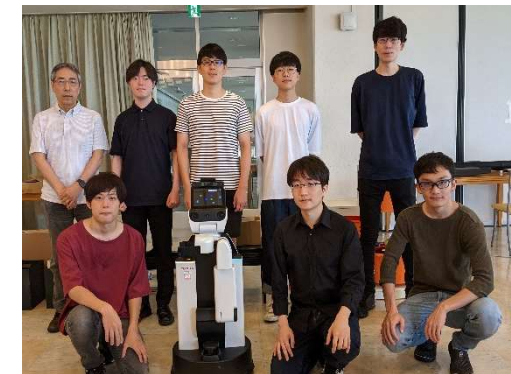
【Inspiration, motivation to form a team】

We have been participating in WRS since the pre-competition in 2018 in order to continue to develop the technology developed in the RoboCup in 2016 and to improve the skills of individual members.

【Future outlook】

We will work on improving the grasping technique, object recognition, and speeding up the operation to create a more practical system.

Role	Name	Affiliation/Title	Specialty, Field of study
System Integration etc.	Shigemichi Matsuzaki	Toyohashi University of Technology, D2	Scene recognition for navigation in plant-rich environments
Navigation etc.	Yusuke Miake	Toyohashi University of Technology, M2	Viewpoint planning for object search by mobile robot
Person recognition etc.	Takahiro Ishii	Toyohashi University of Technology, M1	Collaborative object search by robots and humans
Object detection etc.	Yoshinobu Uzawa	Toyohashi University of Technology, M1	Path direction estimation using images
Grasp verification etc.	Ryo Saito	Toyohashi University of Technology, M1	Mapping by autonomous mobile robots
Drawer detection etc.	Fumiya Fujikata	Toyohashi University of Technology, M1	Interaction of human and autonomous mobile robot
Object detection etc.	Kota Minami	Toyohashi University of Technology, M1	Awareness of service robots
Object recognition etc.	Sho Iwasawa	Toyohashi University of Technology, B4	Mapping by autonomous mobile robots
Task planning	Yuya Takagi	Toyohashi University of Technology, B4	Mapping by autonomous mobile robots
Supervision	Jun Miura	Toyohashi University of Technology, Professor	Intelligent Robotics



Contact Toyohashi University of Tech., Active Intelligent Systems Lab., Contact person: Matsuzaki, Phone: +81-532-44-6826, Email: matsuzaki@aisl.cs.tut.ac.jp

HP etc. Lab website: <http://aisl.cs.tut.ac.jp>, WRS website: <http://aisl.cs.tut.ac.jp/WRS>