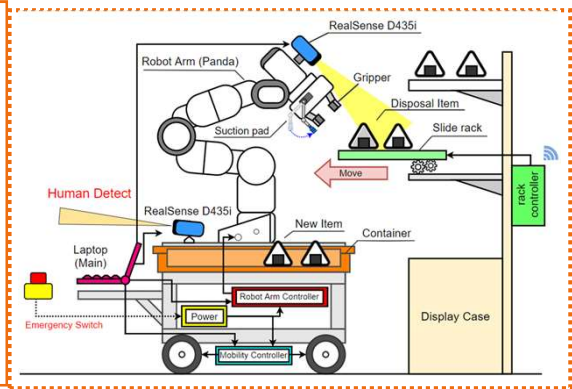


# HSRL-CoR (Osaka, Japan)

## Development point



**Display/disposal task:** Increase of task efficiency by collaborating automatic shelves and high precision manipulator. **Customer service task:** Various future customer services based on SDGs that contributes to a sustainable world. **Toilet cleaning task:** Low Cleaning time cost and high reliable system realized by two simple stationary cleaning robots.



## Introduction of your team

【Inspiration, motivation to form a team】  
Our lab. is developing safe and highly workable robots and HSRL-CoR was formed with the aim of realizing a robot playing an active role in future convenience stores where humans and robots coexist and collaborate.  
【Future outlook】  
We aim to develop a robot as another “staff” who can intelligently and safely execute a variety of services so that future convenience stores will be happy space for both customers and human staff.

Role	Name	Affiliation/Title	Specialty, Field of study
Team leader	Seonghee Jeong	O.E.C.U, Jeong Laboratory, Prof.	Human Supporting Robot System
Software/System Integration	Kosuke Ihori	O.E.C.U, Jeong Lab, 2 year's master	ROS system, manipulation
Software/System Integration	Katsuya Nakai	O.E.C.U, Jeong Lab, 2 year's master	SLAM of omni-directional mobile platform
Mechanical hardware design	Naoki Maeda	O.E.C.U, Jeong Lab, 2 year's master	Design and control of balancing mobile platform
Mechanical hardware design	Wataru Baba	O.E.C.U, Jeong Lab, 1 year's master	Design of climbing mechanism of a wheelchair
Mechanical hardware design	Yuya Okumura	O.E.C.U, Jeong Lab, 4th year	Design of toilet device
Software	Kaito Ohnishi	O.E.C.U, Jeong Lab, 2nd year	User Interface programing

