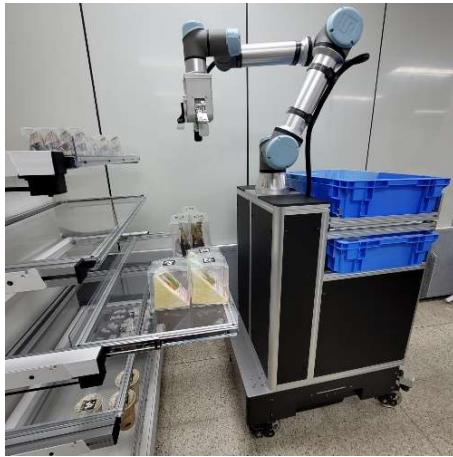


# R2G@HUE (Gyeonggi-do, Korea)



## Development point

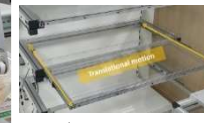
- **Multifunction Gripper** grasping various object
- **Omni-directional Mobile** with active caster wheel
- **Autonomous Shelf** utilizing IoT technology
- **Maker Recognition** using sensor



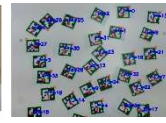
Multifunction Gripper



Active caster type omnidirectional mobile



Autonomous Shelf



Maker Recognition

## Introduction of your team

【Inspiration, motivation to form a team】 Team members have various experiences in fields of design, navigation, recognition, and manipulation. They join to improve technology of service robots based on their experiences. 【Future outlook】 We have the plan to commercialize the robots and skills developed from the participation of WRS2020.

Role	Name	Affiliation/Title	Specialty, Field of study
Team leader	Byung-Ju Yi	Hanyang University, Professor	Medical Robotics, Gripper and manipulation
Supervisor	Ji yeong Lee	Hanyang University, Professor	Path Planning, Nonholonomic system
Supervisor	Sungon Lee	Hanyang University, Professor	Medical robot, Image Processing
System integration	Geunhu Lee	Hanyang University, Ph.D candidate	Multi-Camera system, Mobile robot, 3D Printer
Mobile robot planning	Sanghwa Kim	Hanyang University, Ph.D candidate	Control, motion planning, Surgical robot system
Object detection	Hyunho Hwang	Hanyang University, Ph.D candidate	Image processing, Deep learning
System integration	Hyunseok Yoon	NBYUS Inc., Researcher	Image processing, Pose estimation
ROS communication	Jaeho Lee	Hanyang University, Ph.D candidate	Virtual reality design, 3D scanner, Object detection



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HP etc. <http://r2gathue.dothome.co.kr>