Field Trials with social robot
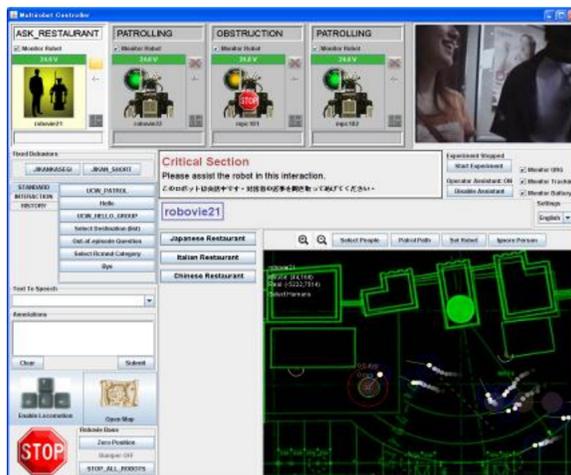## （ATR Intelligent Robotics Laboratory / Osaka University）

In this research, we develop various systems and applications for future through field trials with social robot. We have some field trials with general people to make the future that robots will go with people in real world and to reveal techniques that will be used actually.

Robot system
on ubiquitous network

- Teleoperation of multiple robots by a operator

- Position recognition and prediction of people through intelligent environment

Long term Field Trial in an Elementary School for English education

Recently, it has been focused to utilize a robot to the educational field in foreign countries such as South Korea. In this research, we located the dialog robot , which understand only English, in an elementary school for two months. As a result, children's interests to English is increased. Moreover, through the conversation, we established the technology that the robot estimate human relationship.

Service in a shopping mall by cooperative multiple robots

It is necessary for each robot to cooperate with them and to work efficiently in order to provide services for people in the town in the future. In this research, we develop the system which cooperate with four robots through network. Using this system, robots can provide guidance and information. We conducted the field trial that robots provide these services to general people in a shopping mall.

Design validation of a robot as shopping assistant with elderly people

Along with the increase in elderly people, research theme which support them in their daily life by robot is focused on. In this research, we conducted the field trial that the robot support shopping for elderly people in a super market. We validated the impression changes that robot's appearance and chat acquires.