Take the initiative in future robot technology

In the near future, the fields where robots play key roles will expand from current factory automation to daily life support. Innovation that covers these areas requires various technology improvements in design, manufacturing and IoT in addition to conventional developments in sensor, actuator and automatic control. To meet these requirements, this research section will aim to take the initiative in research and development of the overall base technologies for robots in the future.

◆ Implementation of Multi-material Additive Manufacturing to Robotic Applications
◆ Robots in sound environment — Sound emission from robots
◆ Mixed reality and teleoperation for Quasi-autonomous Robots

Intelligibility test for a robot
Sound field data acquisition system
Humanoid robot remote teaching system
Rover Type Laser Scanner
Application of Additive Manufacturing to actuator development
AM-MID fusion for resin-metal hybrid and fully three dimensional body