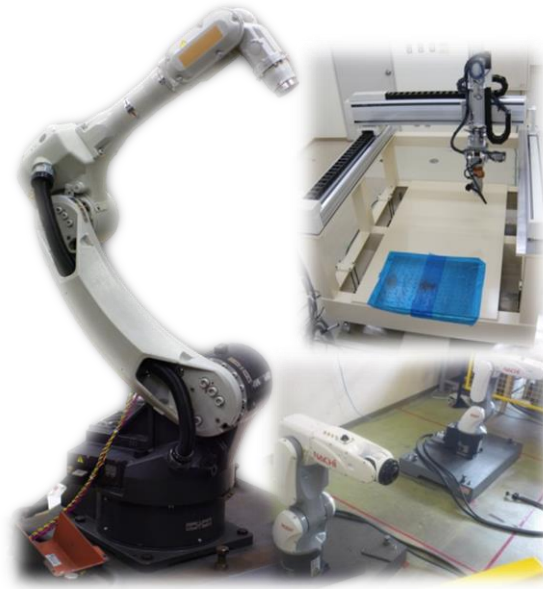


Motion Control Lab. (Ohishi Lab.)

- Motion control Laboratory focuses on control theory, robotics, power electronics, and real-world haptics.

- Research Topics

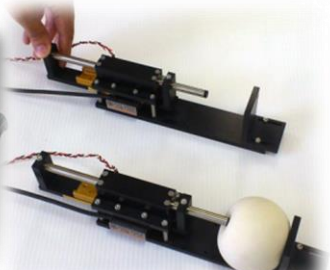
- Force control and vibration suppression control for industry robots
- Anti-slip and anti-skid re-adhesion control for trains
- Bilateral control based on real-world haptics
- Focusing and tracking control of optical discs
- Sinusoidal following current control of AC servo motors
- Electrolyte-capacitor-less inverters
- Self tuning control for SPMSMs and IPMSMs
- Multi-level inverters for solar power



Industry Robots



Anti-Slip & Skid Control for Trains



Bilateral Teleoperation Robots