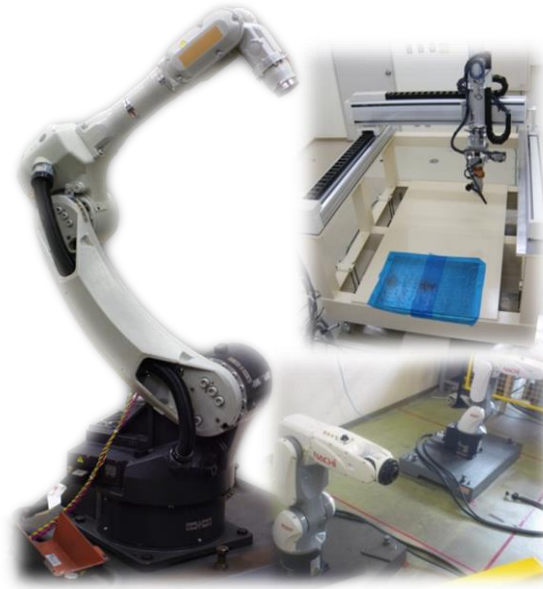


Motion Control Lab. (Ohishi Lab.)

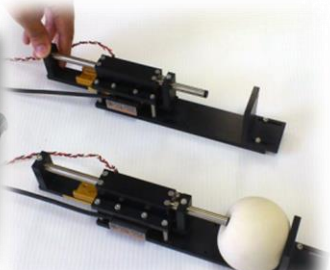
- Motion control Laboratory focuses on control theory, robotics, power electronics, and real-world haptics.
- Research Topics
 - Force control and vibration suppression control for industry robots
 - Anti-slip and anti-skid re-adhesion control for trains
 - Bilateral control based on real-world haptics
 - 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