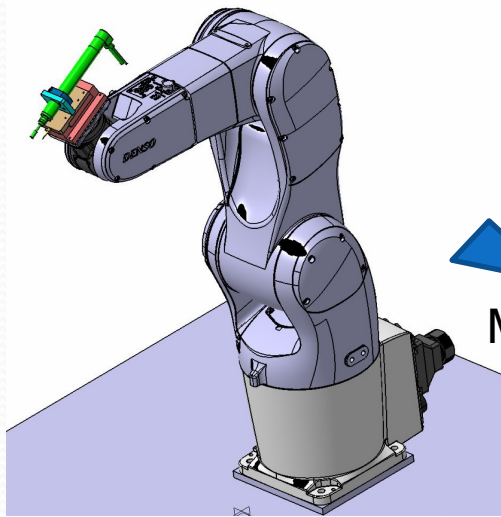


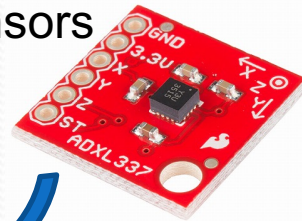
Use of MEMS Sensors to Improve Motion Control Performance

Realizing of high performance motion control

→ Sensor fusion techniques are one of powerful tools



MEMS sensors



MEMS Sensors

- Low cost and light weight
- Easy implementation
- High performance



Study themes:

- Load-side state estimation of mechatronic systems using MEMS sensors
- Controller design based on sensor fusion