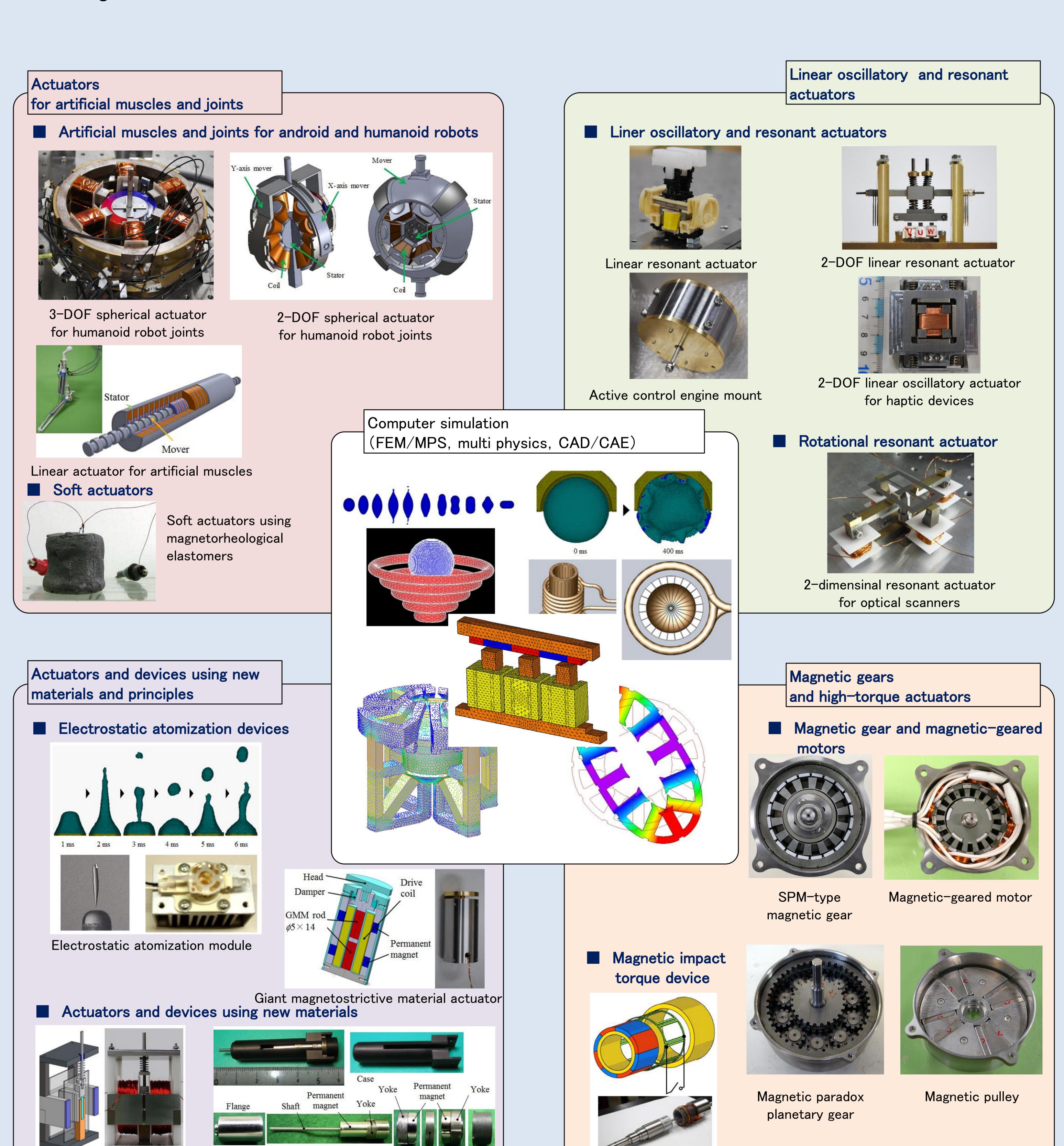
## Hirata Laboratory

http://www.amp.ams.eng.osaka-u.ac.jp/

Actuators, sensors, and devices are fundamental technologies of modern science and industry. Our research topics focus on the development of novel electromagnetic actuators, sensors, non-contact transmission devices, control technologies, and design method using finite element method and MPS method, with the aim of creating new robots and electronics.



Temperature sensitive material

Actuator using temperature sensitive material

Impact torque device

Ferromagnetic shape memory

alloy actuator