

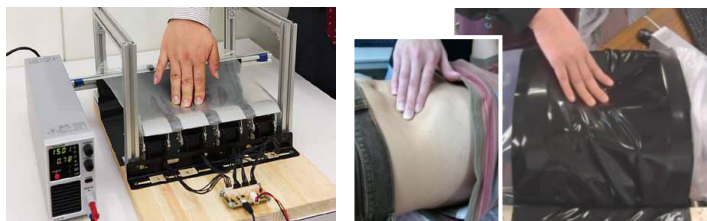
【Working six-legged robot】



【Two-fingered micro hand】



【Haptic devices using flexible sheet】



Content :

Robots and virtual reality systems for search and rescue, maintenance, bioscience and medical field.

【Biologically inspired robots】

Inspired by some animals and insects, we develop new types of robots which possess both high mobility and high working capability: working six-legged robots. They will be applied to search and rescue and maintenance of plants.

【Micro hands supporting bioscience】

We develop a two-fingered micro hand which can grasp, translate and rotate biological cells and tissues . This hand will support precise observation and measurement of cells, cloning, etc.

【Haptic devices presenting soft objects】

We develop haptic devices using flexible sheet, which present sense of touching soft objects such as human bodies and organs. We will apply our haptic devices to medical field: telemedicine systems and medical training simulators where the haptic devices simulate and present softness of real patients.

Yamagata University Graduate School of Science and Engineering
Research Interest : Biorobotics

E-mail : inoue@yz.yamagata-u.ac.jp

Tel : +81-238-26-3335

Fax : +81-238-26-3335

HP : <http://bio-robot.yz.yamagata-u.ac.jp/>

