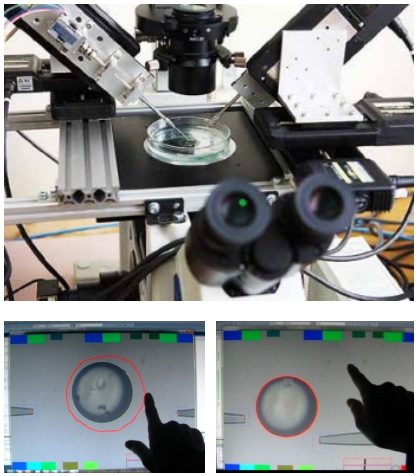
Biorobotics

Professor　Kenji Inoue

Illustration

【Working six-legged robot】

【Two-fingered micro hand】



【Arm assist robot】

Content：

Robots and virtual reality systems for search and rescue, bioscience and welfare 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. Our working six-legged robot transforms intro three modes for locomotion and manipulation. It will be applied to search and rescue, and maintenance of plants.

【Micromanipulation systems 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 of cells and measurement of their properties.

【Assist robot for daily life】

For a person with a handicapped arm to do some tasks on table, we develop an arm assist robot which can move his/her hand to its goal.

Appealing point：

I am an expert of robot design and control. My research goal is developing new robots and applying them to real word.

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Research Interest　：　Robotics

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