

## Group9 Hida-Kamioka High School 岐阜県立飛騨神岡高校

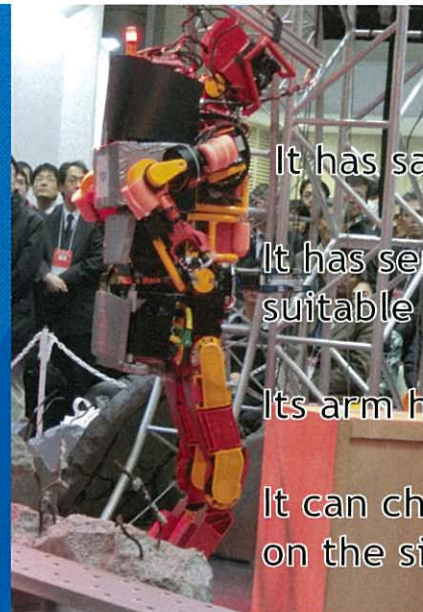
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課題3



- There are many earthquakes in Japan.

We must think about the rescue robot.  
Do you know DARPA ROBOTICS CHALLENGE ?

Rescue Robot  
world  
championship



## JAXON

It has same power and speed as human

It has sensor on its hands that can measure suitable power for an object.

Its arm has 8 DOF.

It can change its way of walking depends on the situation. Ex. bipod, quadpod



## HRP-2, HRP-2改



Made in Japan

All people are able to rent this for 38,000,000 yen for five years.

2 teams used this at DRC

Operating angle is very large.

It has long legs and arms.

## Aero

It walks with 4 legs not to falling down.

light, cheap and low electricity

operated by ROS



## Robot OS



de facto standard operation system for robots

There is no OS like this before.

All people can use this for free.

Open source



## WHAT IS MERIT OF ROS?

**The programs made by people all over the world is shared.**

**Compatible with various hardware**

**If program has bug, everyone can fix it.**

**DEMERIT**

**Depends on PC specs**

**It always has to be kept to the latest version.**