



### Research:

Interesting robotics project with a tight schedule. This will be accepted as a study thesis at my home university. After a learning phase in the beginning the project developed well and I could finish in time.

### Language:

I took grammar and kanji (writing) class in the beginning. After a while I skipped both classes because I was lacking of time.

### Life:

Great experience to see people living really different from what we Europeans are used to. I had an outstanding time in Japan and I will miss a lot of people from that period.

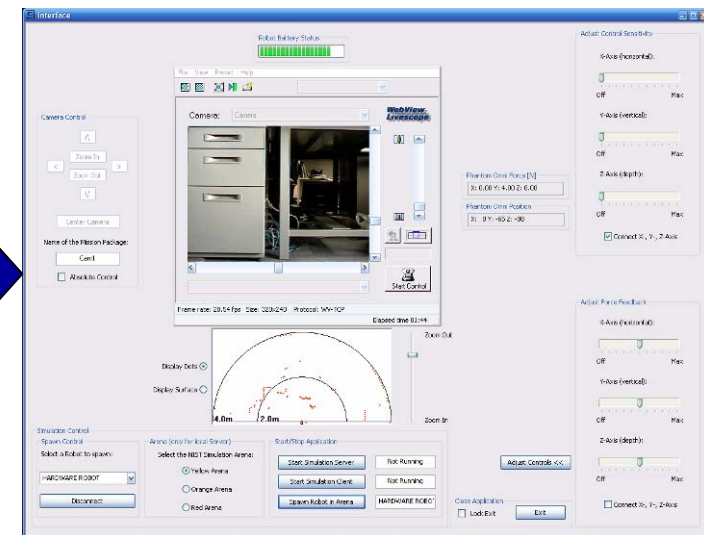
## Summary

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Hokkaido University, March to August 2006



Task:

To simplify the control of (simulated and real) rescue robots by using a haptic device.



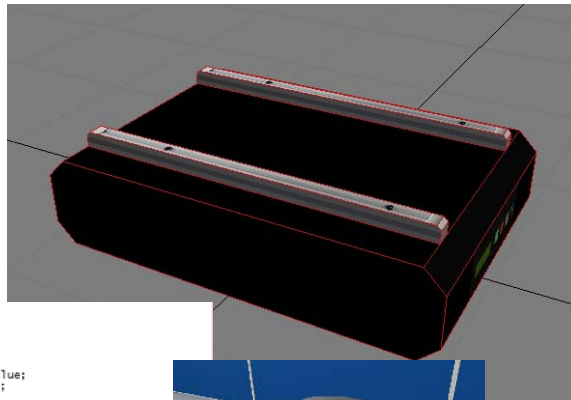
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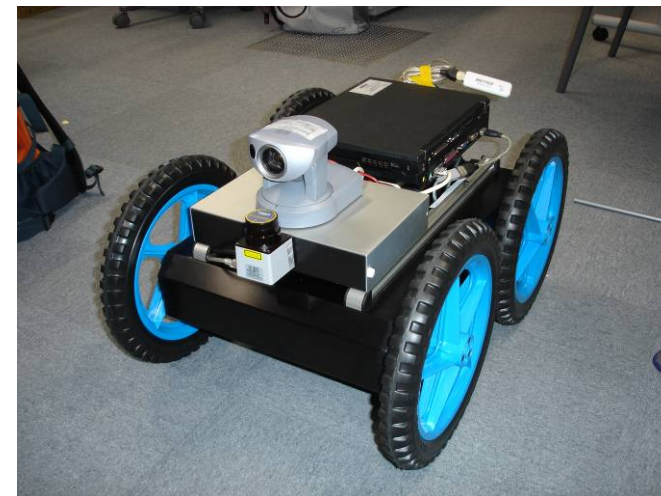


## Secondary Task:

Create a rescue robot testing platform and its virtual counterpart for the sim



```
var float lastAng;  
var float steerAng;  
var byte count;  
function ProcessCarInput() {  
    local float Leftvalue, rightvalue;  
    local int CameraPan, CameraTilt;  
    local int i;  
    Super.ProcessCarInput();  
    if (!bGetInitCameraRot) {  
        InitCameraRot = myCamera.rotation;  
        USARRemoteBot(Controller).LeftThrottle = 0.0;  
        USARRemoteBot(Controller).RightThrottle = 0.0;  
        USARRemoteBot(Controller).myCameraRotation = rot(0.0, 0.0, 0.0);  
        bGetInitCameraRot = true;  
    }  
    if (USARRemoteBot(Controller).bNewThrottle) {  
        if (USARRemoteBot(Controller).Normalized)
```



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Laboratory for Digital Systems and Environments



MIXED REALITY FIELD INFORMATICS GAREKI ENGINEERING PRODUCT INFORMATION

システム情報学環境

北海道大学大学院情報科学研究科

Graduate School of Information Science and Technology Hokkaido University



Exchange student life

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