

# ARLISS2013



チーム: 調査兵団 電通大支部

*Team: Recon Corps UEC Branch*

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# Our Rover's Design

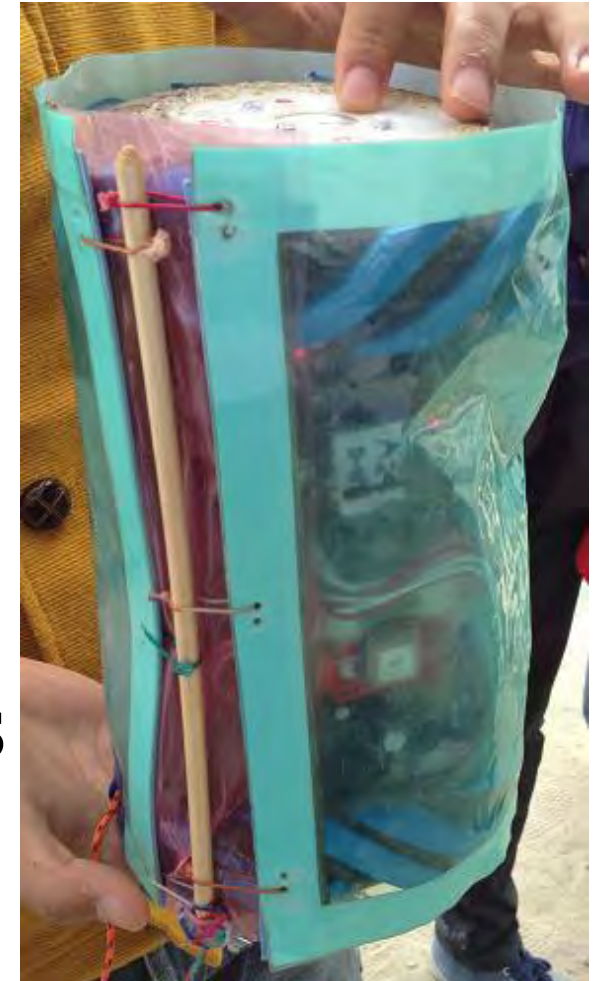


Raspberry Pi



Web camera

compress



# Result: Comeback Competition



Flight	1 <sup>st</sup>	2 <sup>nd</sup>
Result	<b>Goal!! 7.6m</b>	Stuck
Control History	○	○
Flier	Mr. Allen	Mr. Erik
Running Distance	1.7km	0.3km



**Our lab reached the goal  
for three years!!**



# Mission Competition



## Image processing

By using Web Camera.

### 1) Parachute detection

- Detection and avoiding after the landing



### 2) Escape from a wheel tracks

- Detect a shallow track and escape

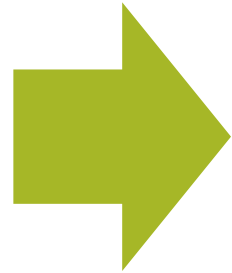


# Result: Parachute detection



✓ Succeeded!!

take a picture

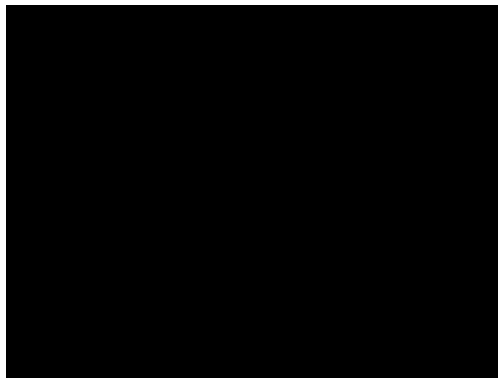


extrac



judgmnent

Avoid!



Go Forward!

# Movie: Parachute detection



# Result: Escape from a tracks



✓ Succeeded!!



# Thank you for your attention!!









# Result: 1<sup>st</sup> Flight



<b>Result</b>	<b>Goal</b>
<b>Control History</b>	○
<b>Flier</b>	Mr. Allen
<b>Running Distance</b>	

# Result: 2<sup>nd</sup> Flight



<b>Result</b>	
<b>Control History</b>	○
<b>Flier</b>	Mr.
<b>Running Distance</b>	