

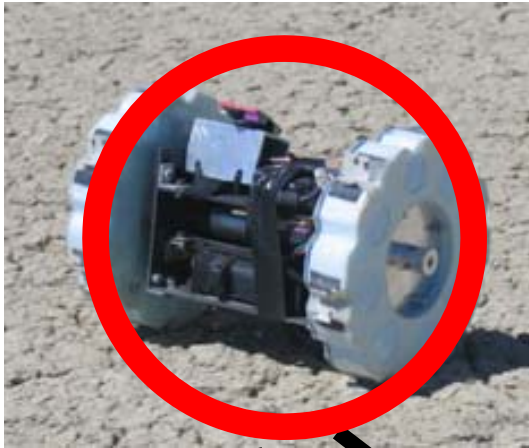
Tohoku Univ. Arliss2011



Takahiro NOYORI
Yusuke TAKAHASHI
Genki YAMAUCHI

Past Results

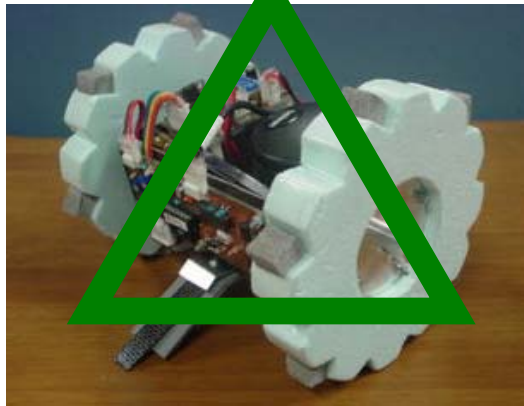
2006



2008



2010



2005



2007



2009

?

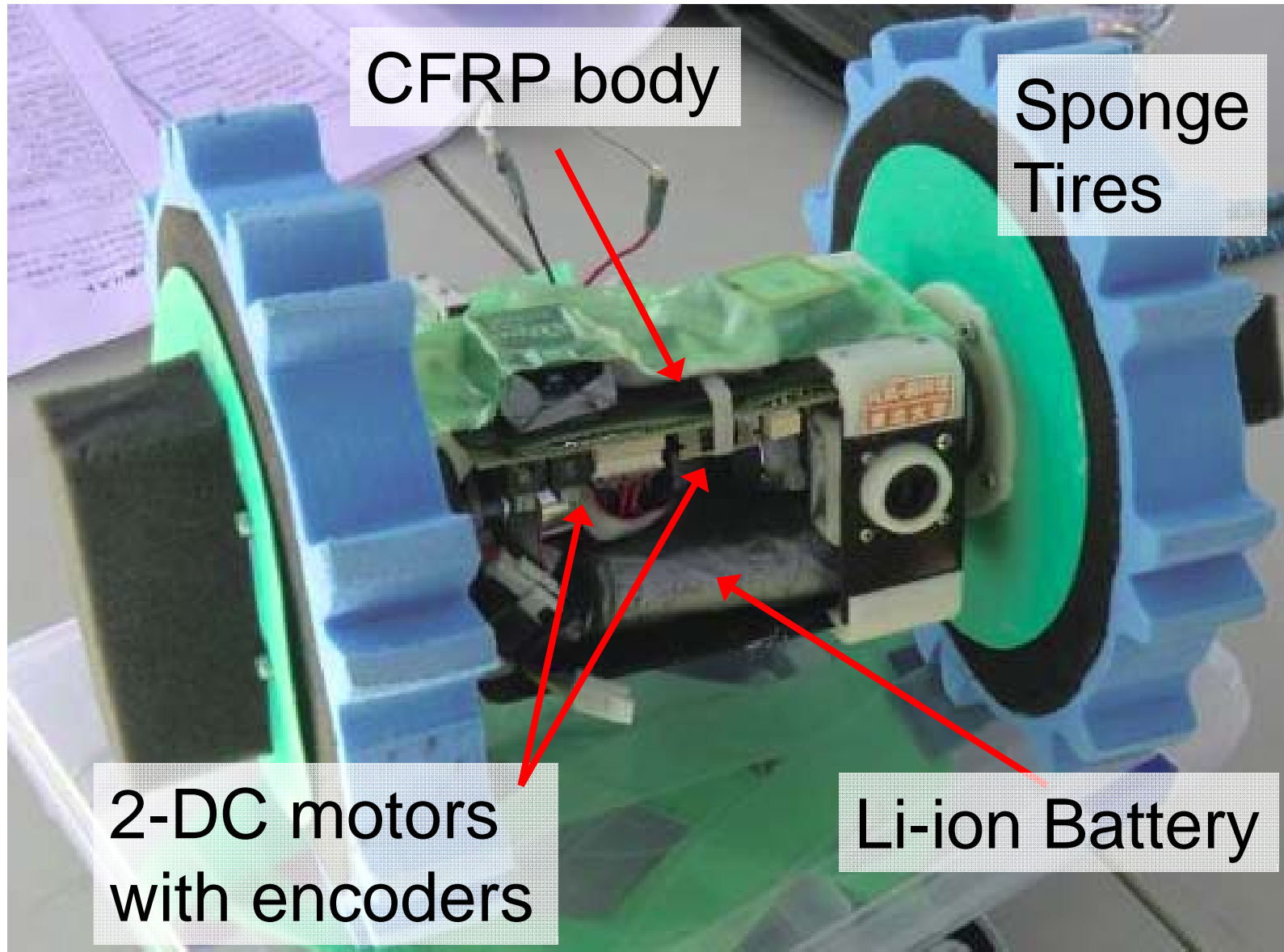
2011



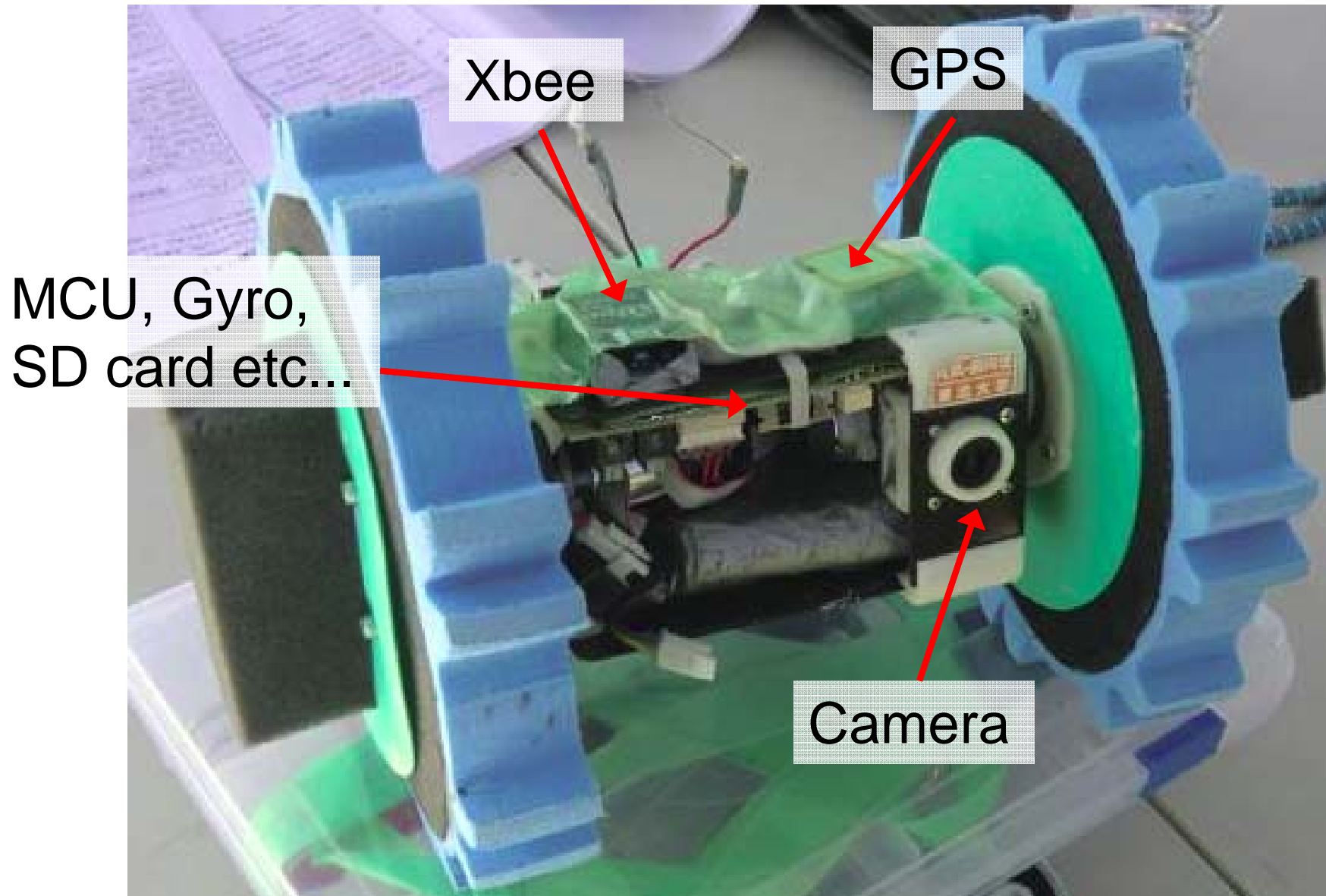
Our Missions in ARLISS 2011

1. Making a rover system that **win** the game
(**Running straight** to the goal)
2. Taking **pictures** and sending them to us
3. Mounting a contactless positioning sensor
→rejected for flight model

Mechanical Components

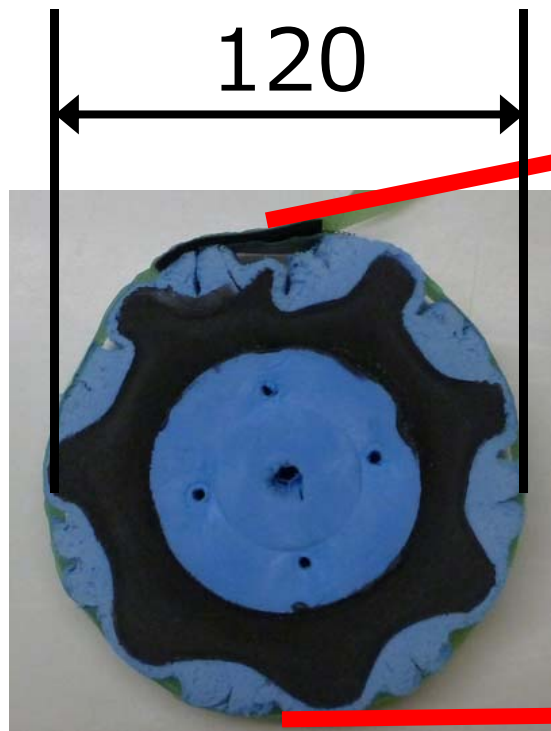


Electrical Components

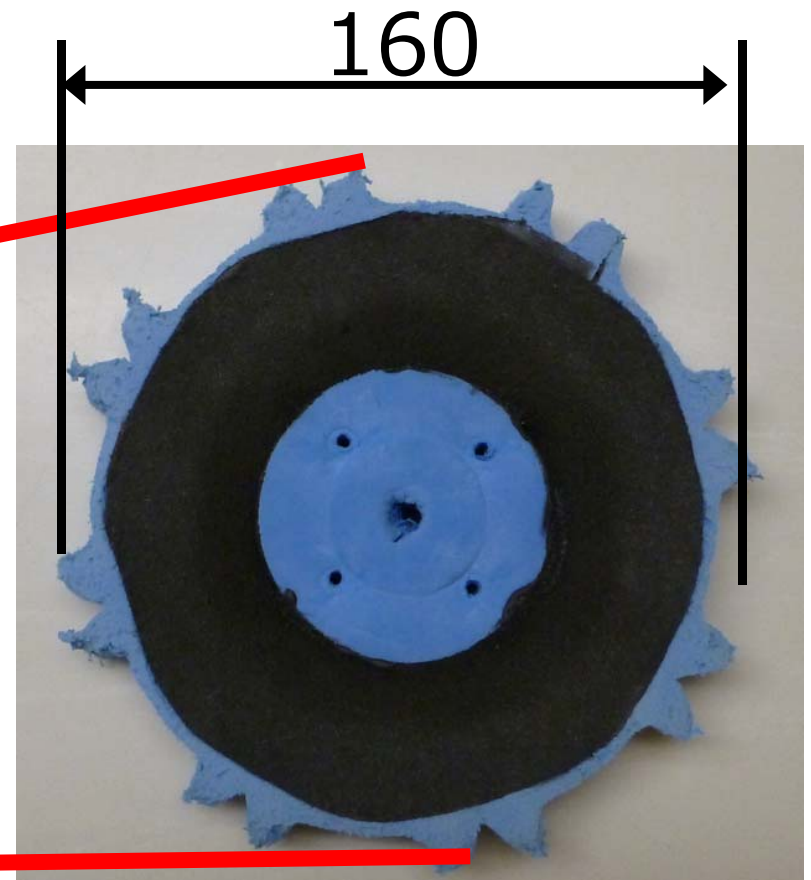


Features : Sponge Tires

1. Light weight
2. Shock-absorbing
3. Expandable

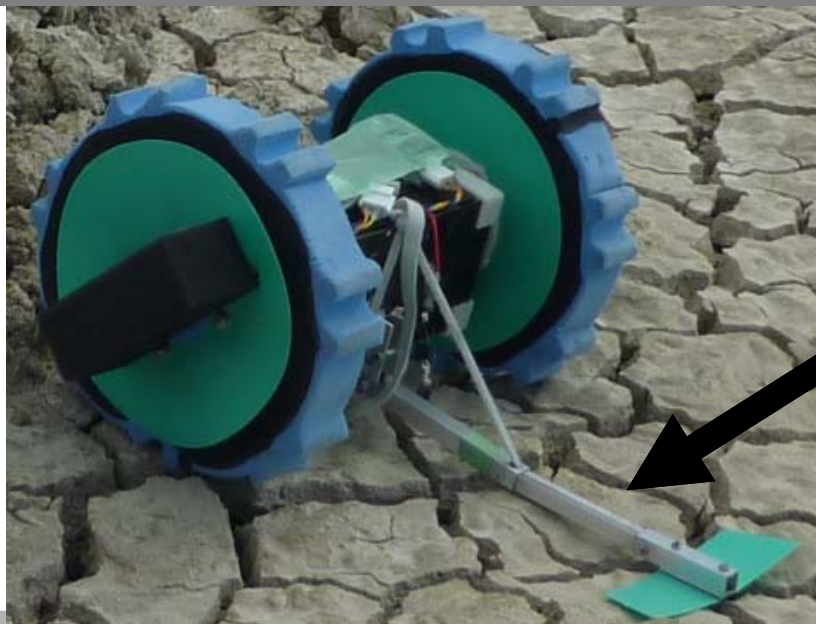


In the carrier

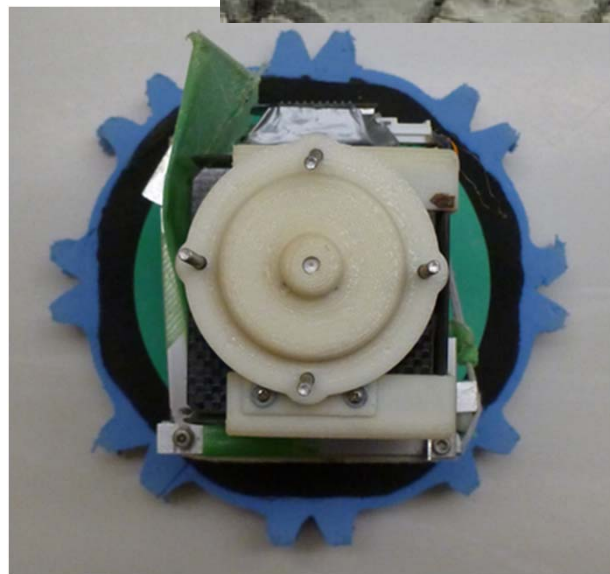


Expanded

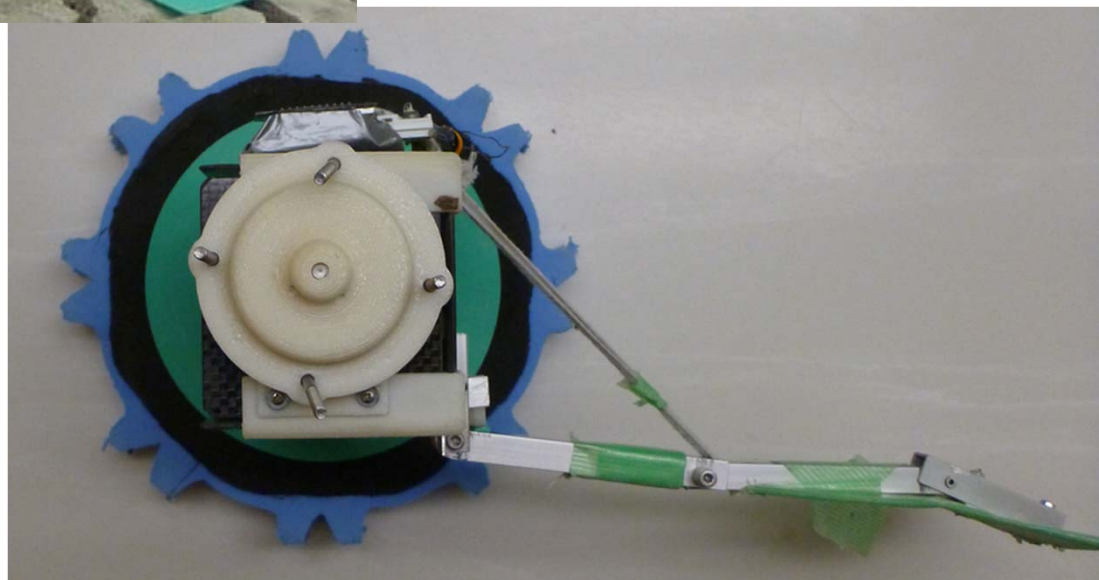
Features : Expandable Stabilizer



Stabilizer



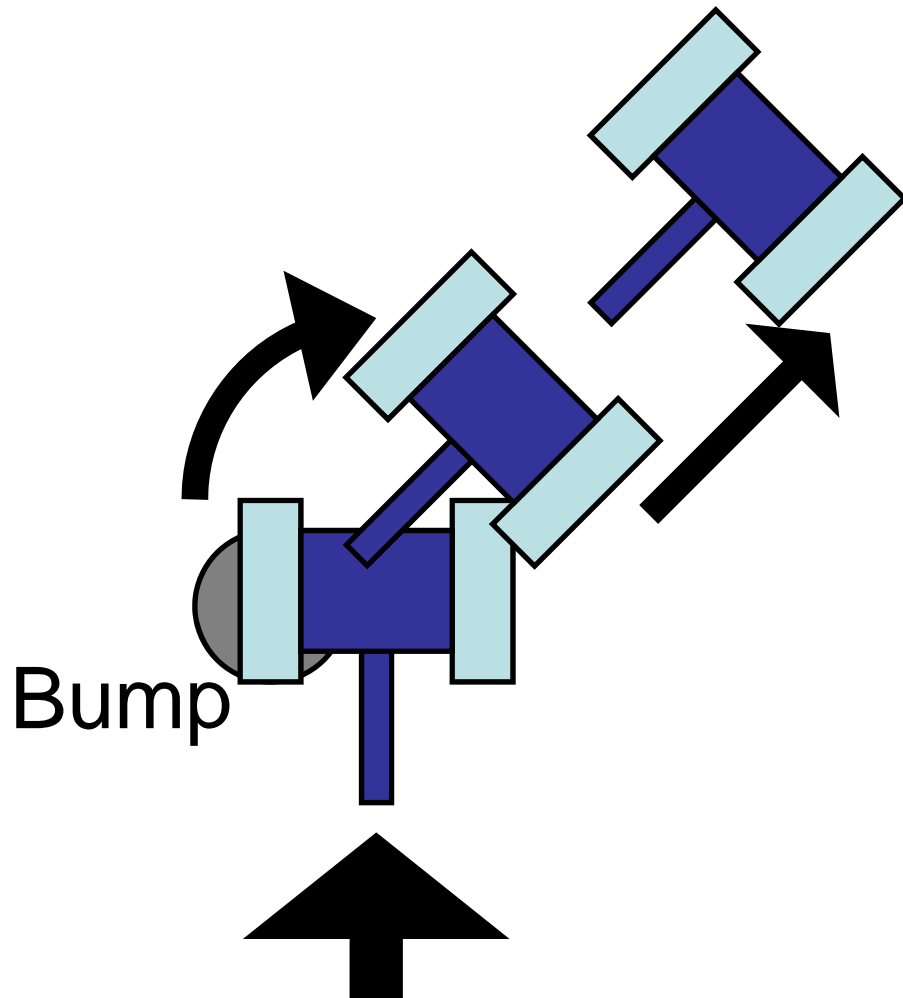
In the carrier



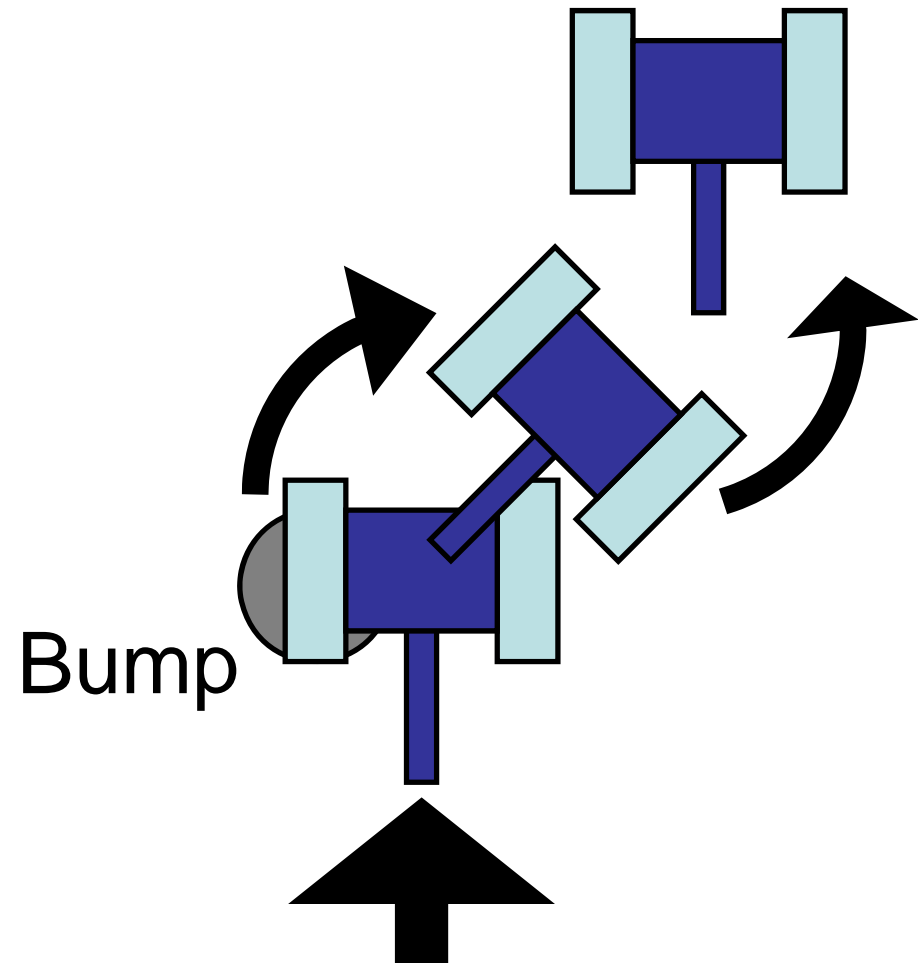
Expanded

Features : Gyro Feedback

Without gyro feedback



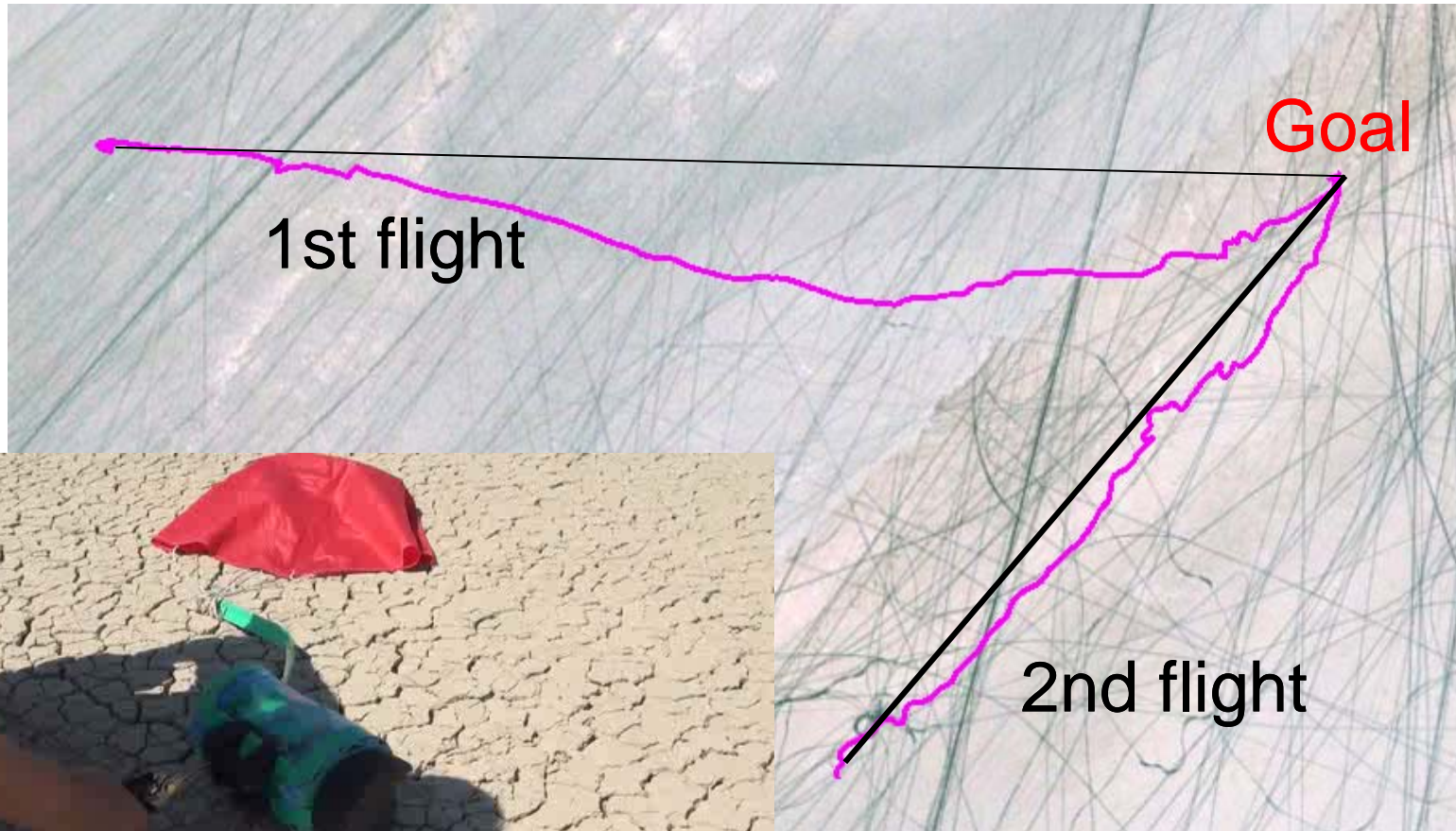
With gyro feedback



1st Flight



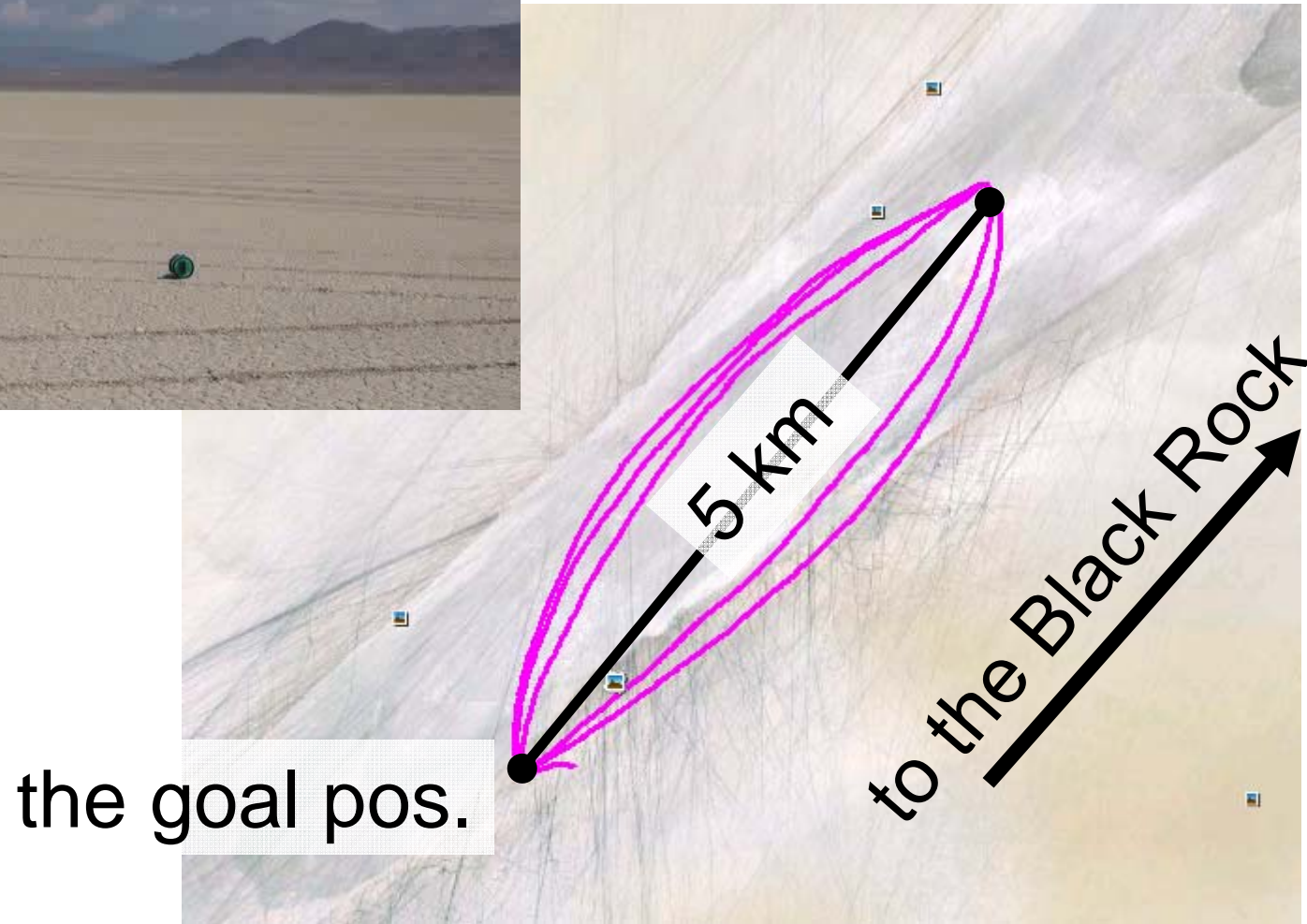
Trajectories of our rover



Images from Our Rover



Long Distance Experiment



Total 25km (3 hours) !

Our Missions in ARLISS 2011

1. Making a rover system that **win** the game
(**Running straight** to the goal)
→Completed
2. Taking **pictures** and sending them to us
→Completed
3. Mounting a contactless positioning sensor
→rejected for flight model
→Still working on...

Thank you Cray bros.

and Gumby
for nice flights



Questions?

