ARLISS 2010

The University of Electro-Communications

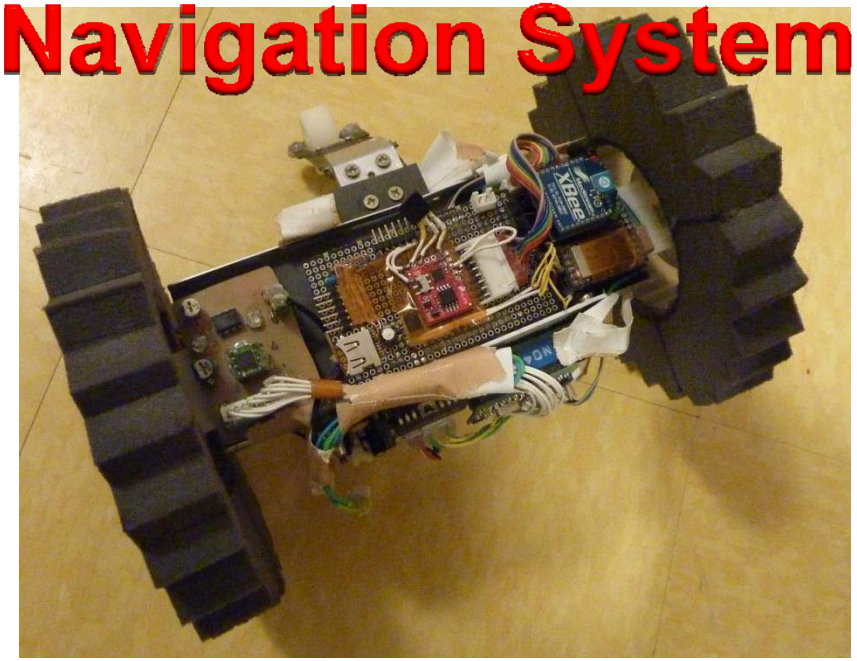
Takadama Lab.

Our rover “Touch”

- Run Back Type
- **Two Navigation Systems**

PDA-based Navigation System

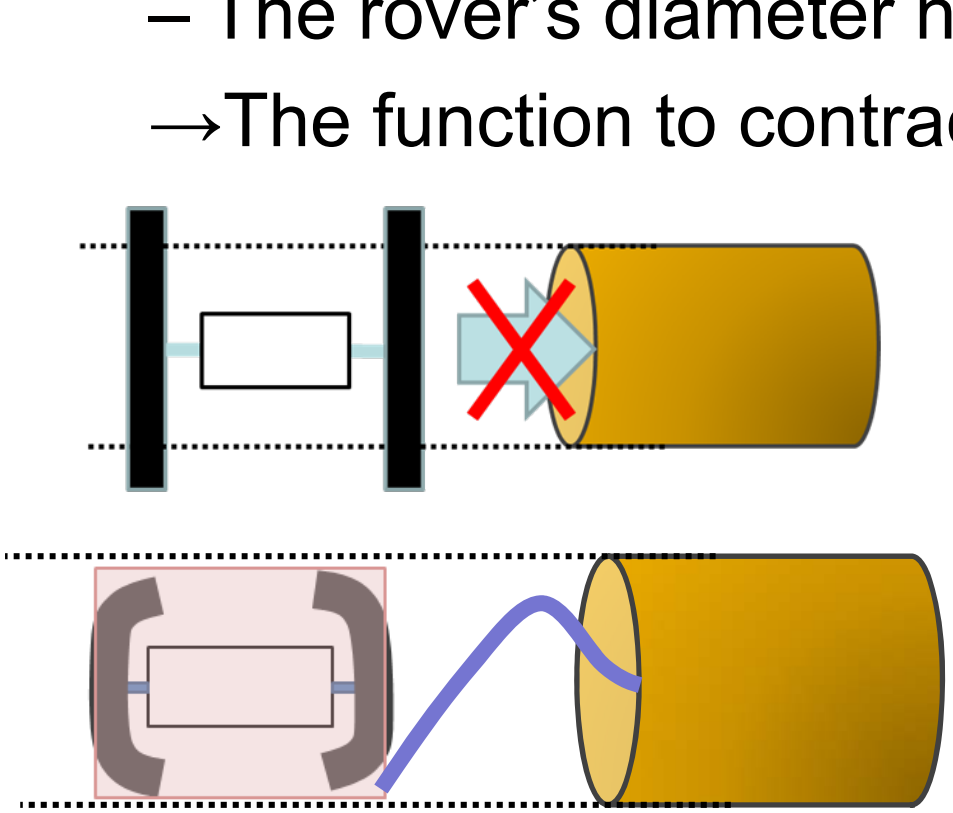
MCU-based Navigation System

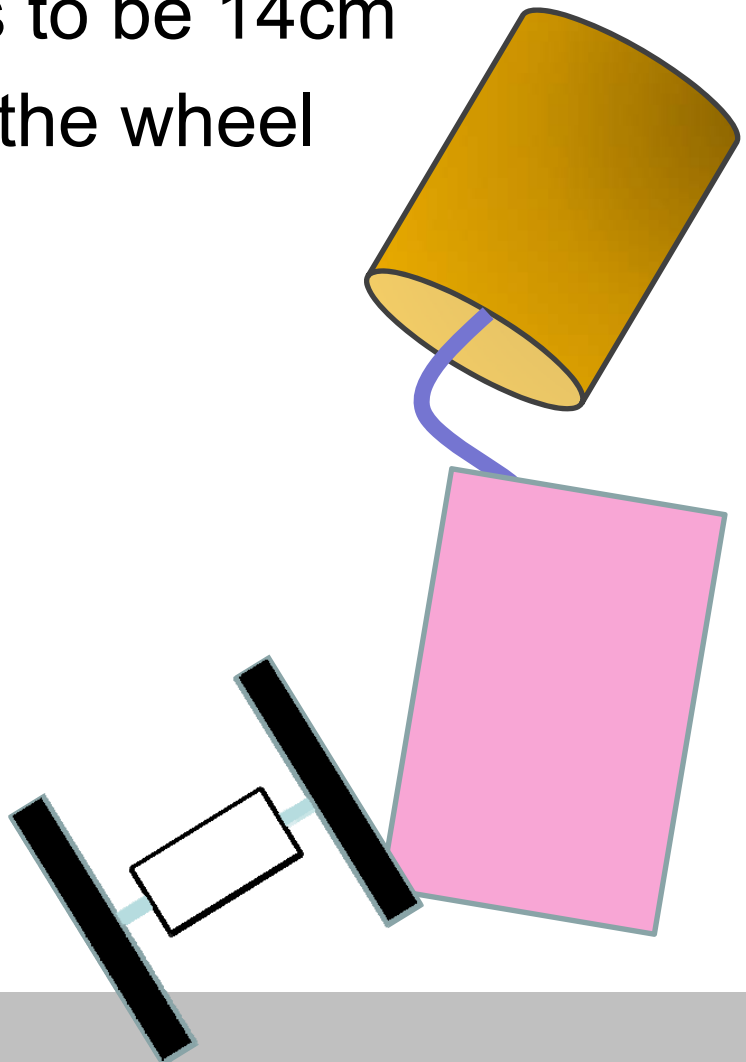


Contracting Wheel

- Implementing large wheel for clearance
  - The rover's diameter has to be 14cm

  →The function to contract the wheel





Measurement of Ruts

- New flame for Keeping clearance up

Results

	PDA based Navigation System	MCU based Navigation System
1st launch	Free falling	Distance:3.01km Control Log:○
2nd launch	Free falling	Distance:3.84km Control Log: ×

1st Launch (MCU-Based Rover)

- the rover landed and at 3.01km from the goal points and started Navigation
- However, the rover stacked by its' parachute

Extra Experiment

Thank you for all ARLISS staffs and Aero-pack members!!