

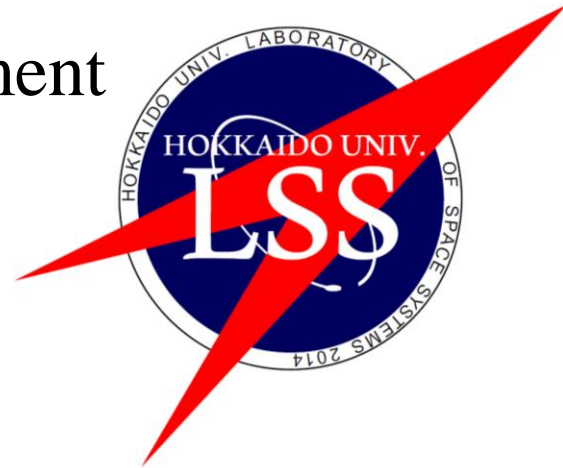


北海道大学

# Self-Introduction

Hokkaido University Engineering department  
Laboratory of Space System.

Daiki Nagata



# Index

<b>School</b>	Hokkaido University	<b>Department</b>	Mechanical Engineering
<b>Year</b>	4 <sup>th</sup> year bachelor	<b>Research theme</b>	Reduction Method of Hybrid Rocket
<b>Hobbies</b>	Playing soccer, Traveling abroad	<b>Nickname</b>	Daiki

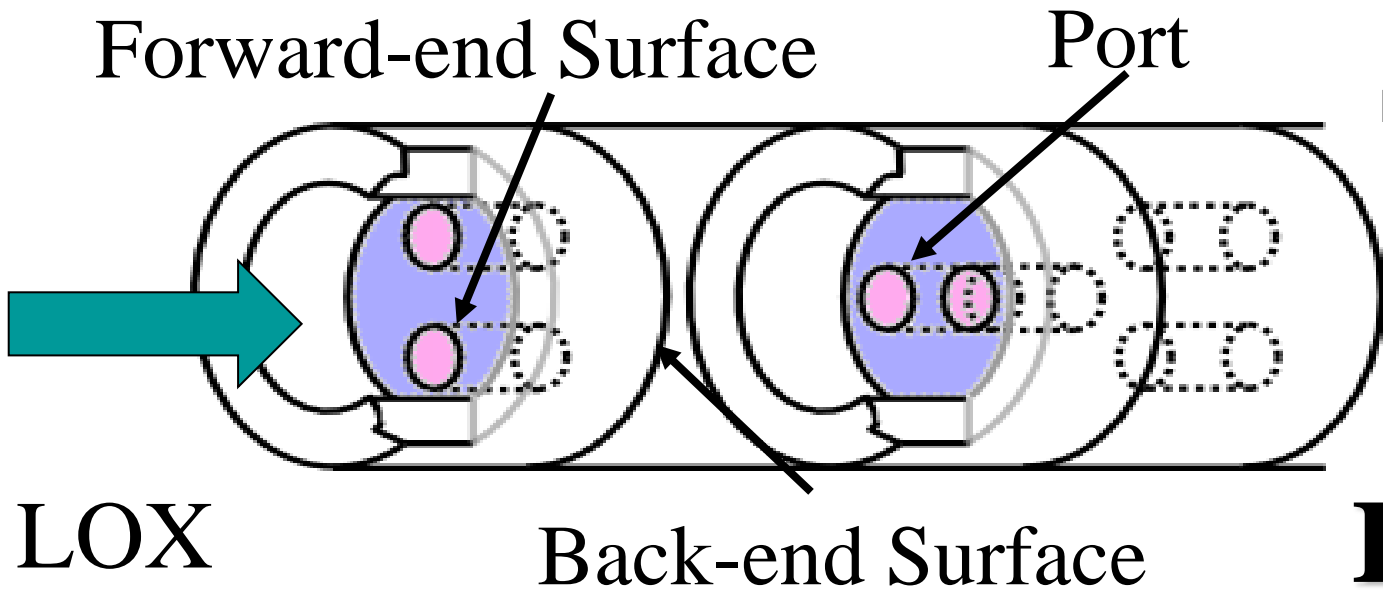


# About CAMUI type Hybrid rocket

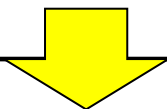
**CAscaded MUltistage Impinging-jet**

Propellant

- ◆ Liquid oxygen
- ◆ fuel:HTPE



◆ Repeat collision enable to promote mixture combustion gas.



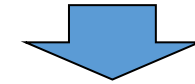
**Increase thrust and combustion efficiency**

# About CAMUI type Hybrid rocket

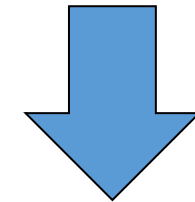
Oxidizer collide  
first forward-end  
surface



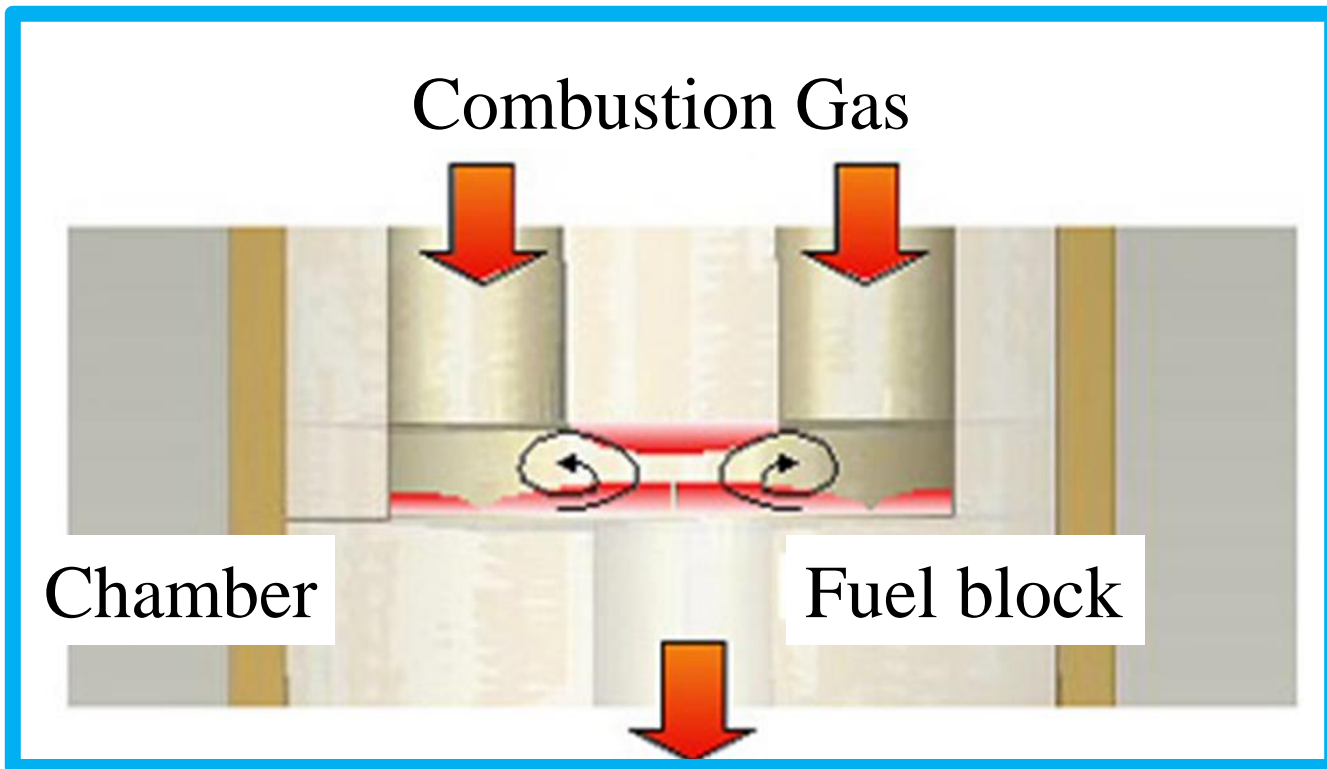
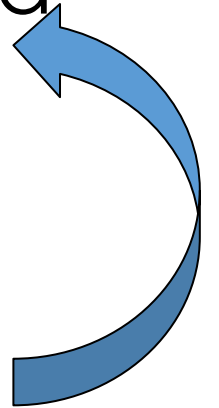
Combustion gas flow  
into first port

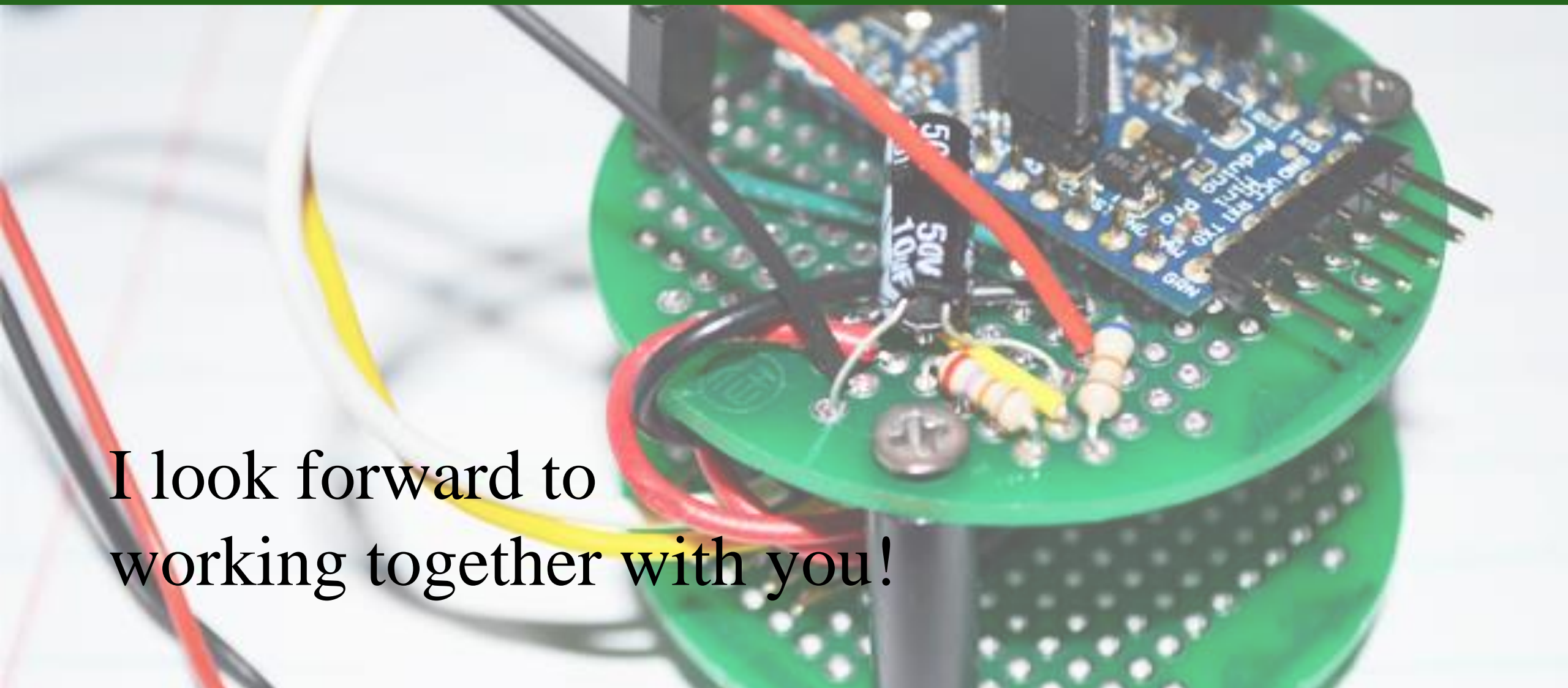


Combustion gas collide  
second forward-end  
surface



Combustion gas flow  
into second port





I look forward to  
working together with you!