Introduction to ARLISS

~A Rocket Launch for International Student Satellites~

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Brief agenda

1. What is ARLISS ?
2. Last Year’s Teams & Highlights
3. How to Participate

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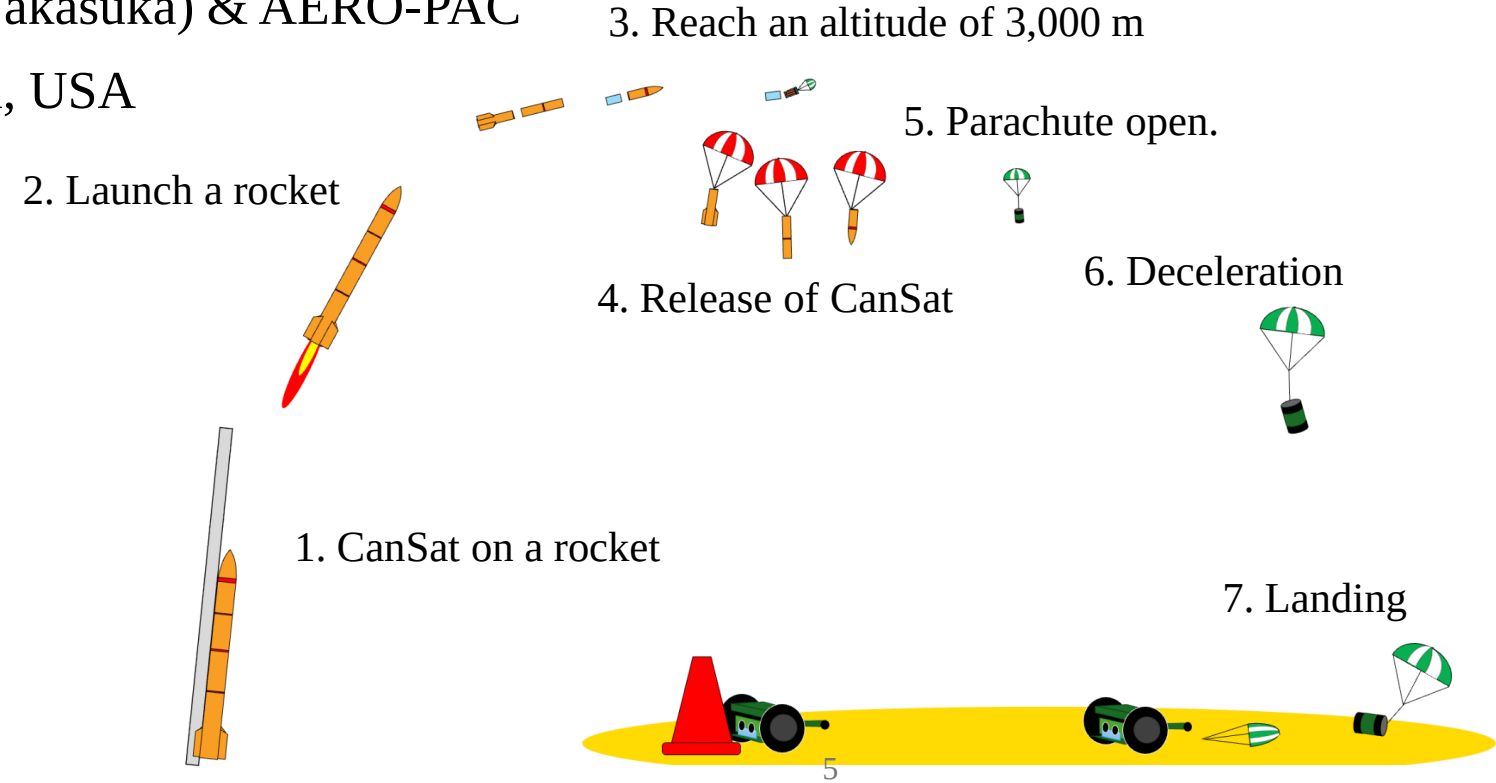
What is ARLISS?

Acronym: **A R**ocket **L**aunch for **I**nternational **S**tudent **S**atellites

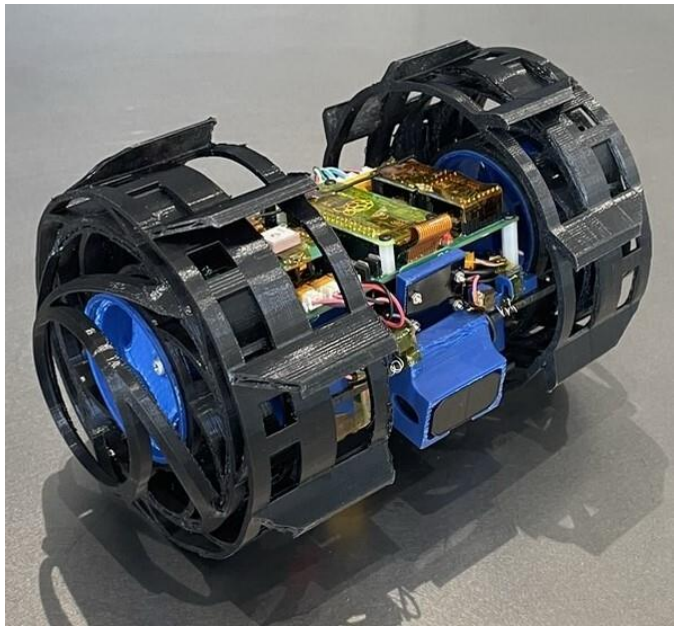
Annual suborbital **CanSat** launch demonstration

Founded 1999, run by UNISEC(Dr. Nakasuka) & AERO-PAC

Location: Black Rock Desert, Nevada, USA



What is ARLISS ?



TMU NAVi

- **CanSat**

CanSat is a can-sized satellite with sensors and communication units mounted inside for missions.

- **Class/Regulation**

Class	Mass limit	Diameter limit	Height limit	Launch cost
CanSat Class	≤ 350 g	≤ 66 mm	≤ 240 mm	200USD/launch
Open Class	≤ 1050 g	≤ 146 mm	≤ 240 mm	600USD/launch

For detailed regulations, please refer to the following documents

https://drive.google.com/file/d/13G7HJoZm9cLF9uplTEE2_r9McmcZBIcN/view?usp=drive_link

What is ARLISS?

Mission & Objectives

- Hands-on: design, build, test, launch, recover
- Cultivate system-level thinking, problem-solving, teamwork

Competitive awards

- Accuracy(distance from goal)
- Best Mission, Technical System Award
- Overall Winner

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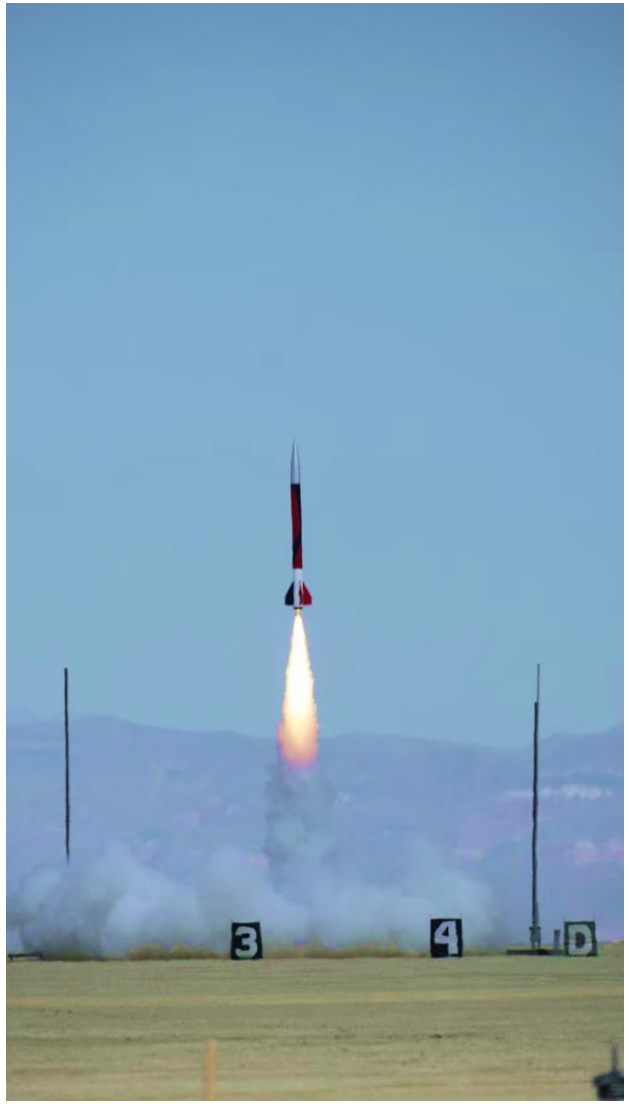
Last Year's Teams & Highlights

19 Teams joined from all over the world!

16(Japan), 1(the U.S.), 1(Costrica), 1(Peru)

Last Year's Teams & Highlights

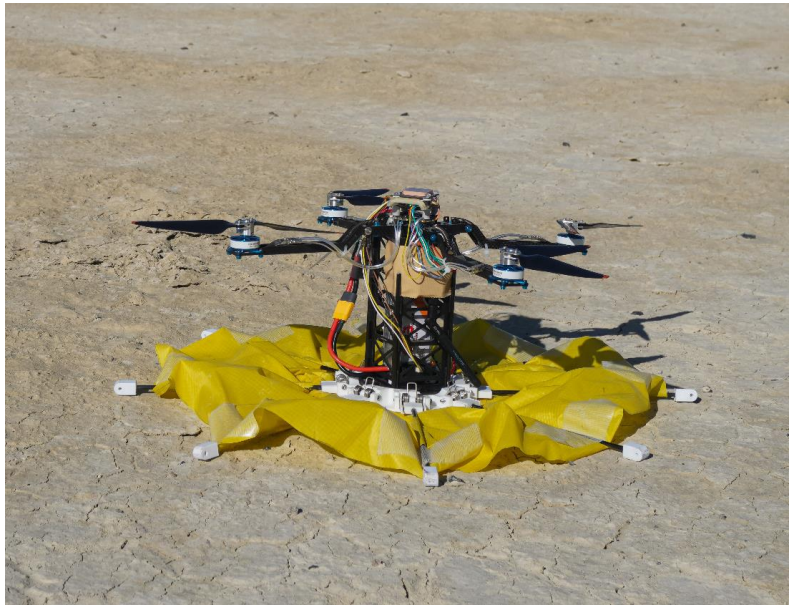


Last Year's Teams & Highlights

Keio Team Wolve'Z

(Keio University, Japan)

The team competed with a CanSat equipped with complex mechanisms and a variety of equipment to transport supplies to a cave on the lunar surface.



Flying Cactus

(The University of Tokyo, Japan)

The team worked on the development of a drone-based CanSat, and through weight reduction and other innovations, they have achieved an aircraft that is specialized for long-distance flight to challenge the goal at FlyBack.

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How to Participate

ARLISS2025 Schedule

To participate in the tournament, you need to fill out the registration form.
The form will be released on various social media and websites in early May.

Registration form closes	May 30
Set Up	Sept 7
Competition	Sept 8~11
Exchange day	Sept 12
Result Meeting	Scheduled for early Oct.

Budget

The costs required to participate in ARLISS are as follows.

Launch fee (Open Class)	200 USD/Launch
Launch fee (CanSat Class)	600 USD/Launch
Desert usage fee	15 USD/(Day・person)

Contact info

Email: arliss.management@gmail.com

If you have any questions, please feel free to contact us.

Web

Face book

X

Instagram

Thank you for listening

join us at the **ARLISS**!