

# KIT Laboratory Tour

UNISON GLOBAL

Nov. 18<sup>th</sup> 2014

**Cho Lab**

**Okuyama Lab**

**Hiraki Lab**

**Yonemoto Lab**



# Satellite Testing Facilities in KIT



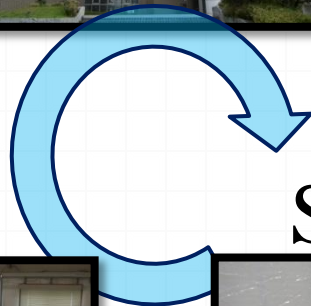
# Purpose of this Tour

The better understanding of satellite test  
Why we have to test the satellite?

Sharing the understanding of the satellite  
tests of each country

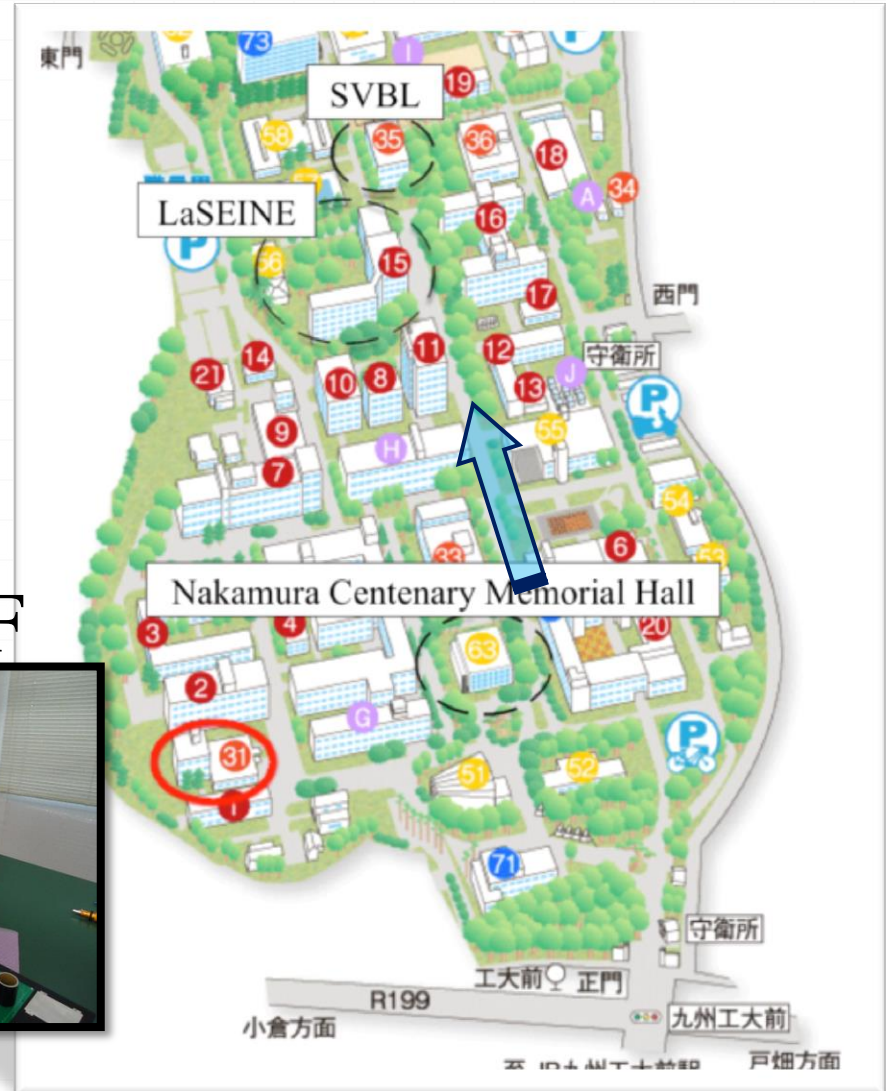
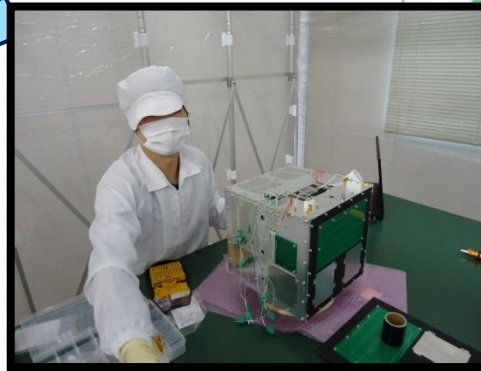
# Moving to Places

LaSIENE



SVBL 1F

SVBL 3F



# Guide of Groups

## Group 1

Sho Ito



## Group 2

Hiroshi Fukuda



## Group 3

Yuki Asari



Please follow them!

# Questions

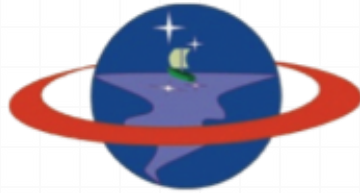
Q1. What is your impression of satellite testing?

Q2. What is the worst accident that may occur to the satellite before / during / after the launch?

Q3. If you were to conduct vibration test on a pudding, what will it happen to?

**Please answer to one of the question**

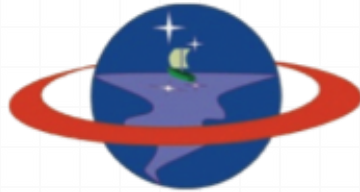
# Let's Enjoy the Tour !



## La Place

Laboratory of Plasma, Laser, and Computational  
Electromagnetics

# Welcome Back!



## La Place

Laboratory of Plasma, Laser, and Computational  
Electromagnetics



# Special Guest

- 0 Tokyo University
- 0 The satellite “PROCYON”

# Why do we test?

Testing makes sure everything works accordingly before it gets to the field (space)

- We cannot fail space system because
  - Expensive
  - Important (political, social, military, etc)
- Space system is different from others (aircraft, automobile, electronics, etc)
  - No chance of maintenance and repair – Complex
  - Limited number of production
- Often only one of a kind
  - Long system life cycle
- Difficult to accumulate personal experience
- If you have designed 100 satellites, you know what to do

# Questions

Q1. What is your impression of satellite testing?

Q2. What is the worst accident that may occur to the satellite before / during / after the launch?

Q3. If you were to conduct vibration test on a pudding, what will it happen to?

**Please answer to one of the question**

Thank you !

