

# The 6<sup>th</sup>

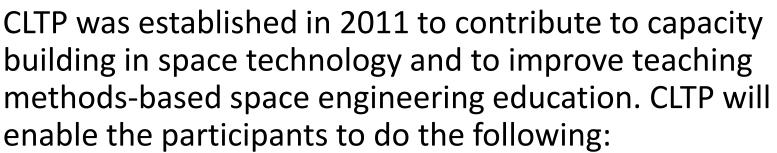
# CanSat Leader Training Program (CLTP6)



#### University Space Engineering Consortium (UNISEC) http://www.cltp.info



#### What is CLTP?



- Experiences of the whole cycle of CanSat development including suborbital launch experiments through hands-on training.
- Conduct CanSat program in their countries for senior-high school and undergraduate university students.
- Aiming at "international CanSat education network"



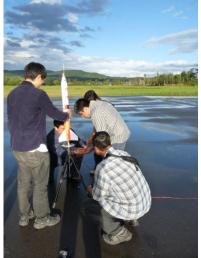
CanSat Manufacturing



Vibration Test



Paper craft Rocket



Launch Experiment





#### **CLTP History & Participants**

#### CLTP1 (Wakayama Univ. in Feb-March, 2011)

12 participants from 10 countries, namely Algeria, Australia, Egypt, Guatemala, Mexico, Nigeria, Peru, Sri Lanka, Turkey (3), Vietnam.

#### CLTP2 (Nihon Univ. in Nov-Dec, 2011)

10 participants from 10 countries, namely Indonesia, Malaysia, Nigeria, Vietnam, Ghana, Peru, Singapore, Mongolia, Thailand, Turkey.

#### CLTP3 (Tokyo Metropolitan Univ. in July-August, 2012)

10 participants from 9 countries, namely Egypt (2), Nigeria, Namibia, Turkey, Lithuania, Mongolia, Israel, Philippines, Brazil.

#### CLTP4 (Keio Univ. in July-August, 2013)

9 participants from 6 countries, namely Mexico(4), Angola, Mongolia, Philippines, Bangladesh, Japan.

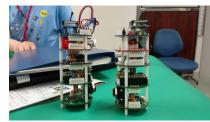
#### CLTP5 (Hokkaido Univ. in Sept 8-19, 2014)

7 participants from 5 countries, namely Korea (2), Peru, Mongolia Mexico (2), Egypt.











#### Cansat Leader Training Program

# **Overview of CLTP6**

- Date:
  - Online-lecture: July- August, 2015 (TBA)
  - Hands-on training: August 24- Sept 4, 2015
- Venue:
  - Hokkaido University (Sapporo) and Uematsu Electric Co., Ltd (Akabira)
- Eligibility
  - Academic researchers, instructors, and graduate students who belong to universities or research institutes . A Ph.D. degree holder is preferable.
  - Company employees who wants to use CLTP as an education and training program.
- Application Due: Feb 28, 2015



# Who should attend?



- You should apply if you:
  - Want to learn basic space technology.
  - Want to learn teaching methodology in space engineering
  - Are in position to teach entry level courses in space engineering.
  - Want to expand your international network in space engineering education.
  - Want to experience studying in Japan
  - Need to improve your knowledge and skills in space engineering education
  - Want to interact with competent international participants from all over the world.
  - Understand how enjoyable and meaningful teaching and learning with CanSat.



### Comments from CLTP5 participants



- "Be ready for joining and meeting extraordinary people from all around the world while getting involve in Japanese culture and knowledge of space." (Mexico)
- "A great opportunity, not only to learn the technical aspects of a CanSat/CubeSat, however also to learn the methodology of teaching, and furthermore, a great opportunity connect with future CanSat/CubeSat leaders around the world." (Korea)
- "I have learned a lot from the program and also from the other participants. I am totally sure that this program encourage participants to develop new technological programs in their countries." (Peru)





# How to Apply?

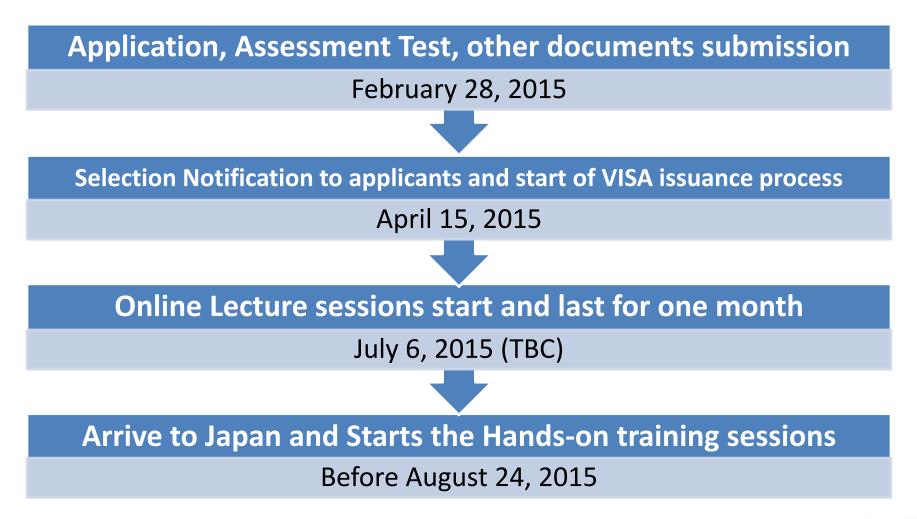


- Admission Requirements
  - Applicants are screened for admission on the basis of their professional qualifications and their achievements, as well as their background assessment test, the teaching methods and plans of post-CLTP. English proficiency is also essential.
- Submission of an application form through website: https://www.cltp-online.info/application\_form.php
- Submission of the following documents by email to <secretariat(at)cltp.info>
  - Assessment test
  - Letter of Recommendation
  - Essay (teaching methods and plans after CLTP)
  - Copy of your passport



### **CLTP6** Schedule







### Participation fee



- The participation fee is divided into two categories:
  - Academic Fee: 300,000 yen (about USD 2,500)
  - Corporate Fee: 500,000 yen (about USD 4,167)
- The participation fee covers accommodations, transportation between Sapporo and Akabira (launch site), course materials including CanSat/launching paper rocket, the use of test facilities.
  - If a participant would like to independently arrange for accommodations and stay at such a facility at own responsibility, then 100,000 yen will be deducted from the fee.
- The participants have to arrange their own flight from their country to shin-chitose airport (CTS) or Sapporo city in Hokkaido island





### Follow-up activities

- The CLTP participant will be expected to make a follow-up report to the CLTP Office within two years after the completion of the CLTP Program. The report may touch on how your CanSat activity will be sustainable in your country.
- Participation in the future CLTPs as teaching assistant/lecturer.
- Joining "CanSat Education" group discussion during the annual UNISEC Global Meeting





# **Post- CLTP Activities**

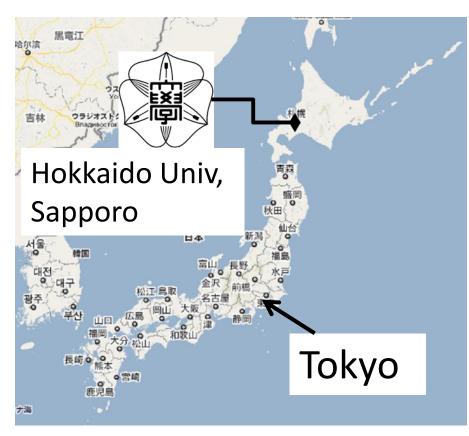
- CLTP (teaching professors) in Turkey and Mexico
- CTP (teaching students) at universities in Egypt, Ghana, Peru, Mexico, Mongolia, Nigeria and the Philippines, etc.
- National CanSat Competitions in Lithuania, Mongolia, Turkey, Peru, etc...
- Participation in the international CanSat Competition from Egypt, Peru, Mongolia, Turkey, Guatemala, etc...





#### Hokkaido University





Founded in 1876 Number of students: about 18,000







#### Join us!





#### http://www.cltp.info

