The 6\textsuperscript{th} CanSat Leader Training Program (CLTP6)

University Space Engineering Consortium (UNISEC)

http://www.cltp.info
What is CLTP?

CLTP was established in 2011 to contribute to capacity building in space technology and to improve teaching methods-based space engineering education. CLTP will enable the participants to do the following:

• Experiences of the whole cycle of CanSat development including sub-orbital 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”
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.
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

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
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<tbody>
<tr>
<td>Application, Assessment Test, other documents submission</td>
<td>February 28, 2015</td>
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<tr>
<td>Selection Notification to applicants and start of VISA issuance process</td>
<td>April 15, 2015</td>
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<tr>
<td>Online Lecture sessions start and last for one month</td>
<td>July 6, 2015 (TBC)</td>
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<tr>
<td>Arrive to Japan and Starts the Hands-on training sessions</td>
<td>Before August 24, 2015</td>
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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

Hokkaido Univ, Sapporo

Founded in 1876
Number of students: about 18,000
Join us!

http://www.cltp.info