

Report of the CanSat Leader Training Program (CLTP) Meeting

I. Introduction

The CLTP meeting was held in Kitakyushu, Japan, on Sunday 11 December 2011 from 9:00 AM – 12:00 PM, preceding the 3rd Nano Satellite Symposium. The participants of the meeting were all CLTP2 participants, Nihon university representatives, UNISEC-CLTP officers, and other invited researchers from several countries. The meeting was chaired Ms. Rei Kawashima (UNISEC-JAPAN)

II. Meeting agenda

The meeting agenda was as follows:

1. Opening of the meeting - Statement by the Chairman
2. Adoption of the agenda
3. Sum-up on CLTP1- Dr. Hiroki Akiyama, Wakayama University
4. CLTP2 Report
5. Updates and best practices
6. Discussion for future CLTP
7. New initiatives to be undertaken by CLTP colleagues
8. Closing Remarks

III. Attendance

23 Experts from the following 15 countries and 1 International entity attended the meeting: Egypt, Ghana, Guatemala, Indonesia, Japan, Malaysia, Mexico, Mongolia, Nigeria, Peru, Singapore, South Africa, Thailand, Turkey, Vietnam, and International Astronautical Federation (IAF). 5 observers from Nihon University also attended.

IV. Sum-up on CLTP1

The results of CLTP1 were presented to the meeting attendants by Dr. Hiroaki Akiyama of Wakayama University. Dr. Akiyama also addressed the importance of space education and the awareness increase activities.

V. CLTP2 Report

CLTP2 had been held in Nihon University, in Funabashi, Chiba, Japan from 14 November to 9 December 2011, and co-hosted by Nihon University and UNISEC. CLTP2 report presentation was presented by Dr. Sawat Tantiphawadi, participant of CLTP2. The CLTP2 participants were introduced to all the attendants. 10 participants from the following 10

countries had participated in CLTP2: Ghana, Indonesia, Malaysia, Mongolia, Nigeria, Peru, Singapore, Thailand, Turkey and Vietnam. A notable progress in quality of CLTP was shown by the results of CLTP2.

The meeting attendants expressed their deep appreciation to Wakayama University, Nihon University and UNISEC for their support for the CLTP by providing all the participants of the training program with accommodation, meals and transportation and organizing a technical/culture visits. The meeting attendants admitted the huge efforts done by the staff of Nihon University and thanks them for the excellent organization of the CLTP2.

VI. Updates and Best Practices Reports

The meeting members expressed their appreciation to Egypt, Mexico, Spain, Guatemala and Turkey for introducing their CanSat activities for students and associated teachers to reach out to remote areas, and their planning to hold the national competitions with the participation of a large number of students.

The meeting members agreed to encourage each country to promote space education and awareness increase activities by using UNISEC International networks, etc.

VII. Discussion for future CLTP

*Some of the discussion points have already been made during each presentation.

. The meeting members agreed that the CLTP should be continued and qualified researchers and educators encouraged to participate within the framework of UNISEC, to be held in conjunction with relative events of UNISEC.

VIII. New Initiatives to be undertaken by CLTP colleagues

Textbook

The meeting members were informed about the text book that is being written by Prof. Mohamed Khalil Ibrahim based on CLTP1 activities and established the editorial group for producing that textbook.

The CLTP office recalled its agreement that it would be desirable to make more education materials available for teachers and educators in their local languages in order to further promote CanSat activities for educational purposes.

CanSat Educational Materials and Questionnaires from CLTP office

The following issue were also discussed:

- The meeting members agreed to recommend the mbed as an easy-to-use microprocessor board for CLTP educational materials. It's rapid prototyping tool built

on industry standard technology.

- The meeting members expressed its deep appreciation to JAXA and UNISEC for its support for providing the mbed CanSat Educational Kit.
- 13 country representative has been provided the mbed CanSat Kit: Egypt, Ghana, Guatemala, Indonesia, Malaysia, Mexico, Mongolia, Nigeria, Peru, Singapore, Thailand, Turkey and Vietnam. The meeting member agreed to conduct the survey for the above countries on University Small Satellite Activities with a view to compiling the results of the survey in time for designated schedule by JAXA. The detailed information will be notified by CLTP office later on.
- The meeting members agreed that efforts should be strengthened to identify funds that are made available by governments to enhance cooperation among countries, including in areas relating to education. The meeting members agreed that at its next meeting occasion, its members should be invited to share information on the funds that could support CanSat education activities.

CLTP Designated website

The meeting members expressed its deep appreciation to CLTP office for its efforts for making CLTP website.

Other issues

- The attendants agreed to hold their next meeting in future UNISEC related event.
- The attendants expressed thier appreciation to the meeting chairman and its secretariat and thanked University of Tokyo for hosting the meeting.

(end)

Circulated Documents:

- 1: Meeting Agenda
- 2: Participants List