

CLTP Online Lectures Description

The CanSat Leader Training Program (CLTP), established in 2010, is co-organised by UNISEC and UNISEC member universities to provide a training course for researchers and educators as one of the capacity-development programs in basic space technology. The CLTP encompasses the entire cycle of CanSat development, involving design, fabrication, and launch of a model rocket or a captive balloon. A set of lectures on space engineering and nano-satellite development are essential part of the course. These set of lectures cover CanSat and Its educational significance, mission subsystem, C&DH and power systems, structures and deployables, communication and ground station, sensors and actuators, ground test and how to feedback, and field experiment and safety standard. Distinguished Japanese professors from well know universities having world-class programs in space engineering and technology are the instructors of this portion of the course. Starting from 2014, these set of lecture have been conducted online and are part of the CLTP course. The other part of the course is a hand-on training and it is conducted in Japan for selected number applicants.

CLTP online Instructors



Professor Shinichi Nakasuka
The University of Tokyo

Lecture title: CanSat - Its Educational Significance



Professor Yasuyuki Miyazaki
Nihon University

Lecture titles: Ground Test and
How to Feedback and Field Experiment
and Safety Standard



Professor Hiraku Sakamoto
Tokyo Institute of Technology

Lecture title: Structures &
Deployables



Professor Shinichi Kimura
Tokyo University of Science

Lecture title: C&DH and Power Systems



Professor Hironori Sahara
Tokyo Metropolitan University

Lecture title: Mission Subsystem



Professor Masahiko Yamazaki
Nihon University

Lecture titles: Communication and Ground
Station and Sensors and Actuators