

# The 6th UNISEC-Global Meeting

in collaboration with  
International Space University  
November 19-21, 2018  
Strasbourg, France

## Photo Report

By the end of 2030, let's create a world where university students can participate in practical space projects in all countries.



# 6th UNIGLO @ International Space University *Day1 (Nov 19)*



# Opening Ceremony

Day1 (Nov 19)

**MC: Chris Welch**

International Space University



ur afficher l'aide.



**Welcome Message**

**Juan de Dalmau**

President of ISU



**Video Message**

**Simonetta Di Pippo**

United Nations Office  
for Outer Space Affairs



**Opening Message**

**Rei Kawashima**

UNISEC-Global



## Shinichi Nakasuka

The University of Tokyo

“CanSat and CubeSat History in Japan – How they started and contributed to education and technologies”

## Mengu Cho

Kyushu Institute of Technology

“My evolution from ISU 3I to BIRDS Program, a Cross-Border Inter-University Collaboration on Space Research and Education”



# Sponsors/Exhibitors Presentation

Day1 (Nov 19)



**Canon**  
CANON ELECTRONICS INC.

**Canon Electronics Inc.**  
– Satch Hattori



**Space BD**

**Space BD Inc.**  
– Makoto Kanazawa



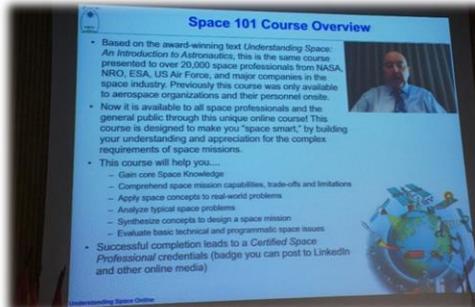
**ICE CUBES**  
– Hilde Stenuit



**UNISEC-Japan**  
– Kento Maeda



**ISU**  
– Chris Welch



**TSTI**  
– Jerry Sellers [Video]

# The 5th Mission Idea Contest

Day1 (Nov 19)



**Moderator**  
**Tadadjeu Sokeng Ifriky**



**Overview of MIC5**  
**Herman Steyn**

## Reviewers



**“Smallsat Ionosphere Exploration at Several Times and Altitudes (SIESTA)”**

**Duann Yi**

National Central University,  
Kandi Anand Kaustubh, ISRO



**“Development of Microsatellite in Monitoring Initial Harmful Algae Bloom (HAB)”**

**Aik Kwan Tan**

University Sains Malaysia (USM)



**“HERON – An Open Source Microbiology Experiment Platform in Low Earth Orbit”**

**Ali Hayadaroglu**

**Xi Lan**

**Kimberly Ren**

University of Toronto



# The 5th Mission Idea Contest

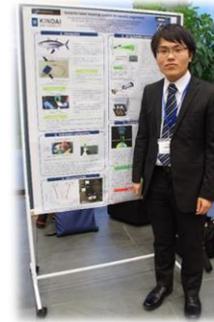
Day1 (Nov 19)



**“HEMERA-Constellation of passive SAR-based micro-satellites for a Master/Slave configuration”**

**Andrea Bellome  
Davide Di ienzo  
Luca Collettini  
Giulia Broggi**

University of Rome  
-La Sapienza



**“Satellite laser tracking system for aquatic organisms”**

**Yuki Kakushi**  
Kindai University



**“Mining Surveillance Application Using a CubeSat Constellation”**

**Luke Hans van der Stokker  
Francois Nicolaas Lombard**  
Stellenbosch University



**“In-Orbit Assembly of Cube Satellites with Novel Docking Techniques”**

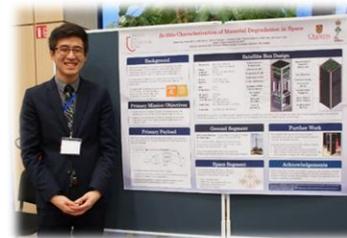
**Samuel Low  
Parekh Shalv Amit**

Singapore Space and  
Technology Association



**“Arid and Semi-Arid Lands Satellite (ASAL-SAT): A LoRa ground sensor network for easing life in Sub Saharan Africa ASAL areas”**

**Kiruki Cosmas [video]**  
Kyushu Institute of Technology



**“In-Situ Measurement of Material Degradation in Space”**

**James Xie**  
Queen’s Space Engineering Team

# Local Chapter & Regional Report ①

Day1 (Nov 19)



Bulgaria



India



Malaysia



Egypt



Lebanon



Luxembourg



Singapore



Bangladesh



# MIC5 Award Ceremony

Day1 (Nov 19)



# Reception

Day1 (Nov 19)



# Local Chapter & Regional Report ②

Day2 (Nov 20)



Turkey



SAR



Japan



Italy



## Group1

Commercialization of ISS – How to open up the ISS utilization to the private sectors



## Group2

Open Source Virtual Satellite



## Group5

Commercialization of the Small Satellite Imagery



## Group 3

Follow up for BIRDS project



## Group 4

Global Antenna Sharing Project



## Group6

Global University Space Debris Observation Network (GUSDON)



## Group7

Standardization of Electrical Interface for Pico/Nano Satellites



## Group8

Eco-system Development of HEPTA-Sat



## Group9

Design and Implementation of a Space Mission Concept Database



## Group10

Balancing Reliability and Cost; Towards Fostering Greater Mission Assurance for University CubeSats Projects



**Group Discussion Remarks**  
**Shinichi Nakasuka**

The University of Tokyo

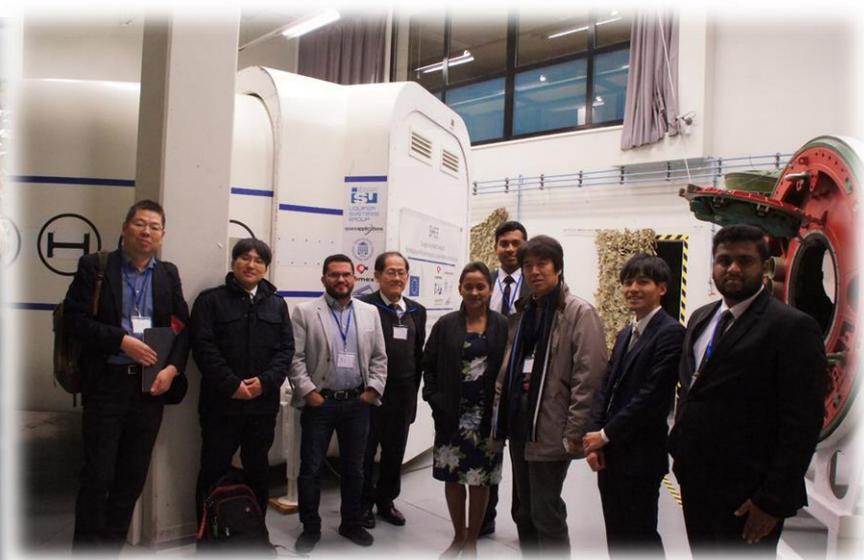
# Acknowledgment of UNISEC-India

Day2 (Nov 20)



# ISU Facility Tour

Day2 (Nov 20)



# GALA Dinner (sponsored by Lockheed Martin)

Day2 (Nov 20)



## Rene Laufer

Baylor University

“Small satellite debris mitigation guidelines – a community effort”



## Chris Welch

International Space University

“ISU Hydra Space Station Payloads”

# Student Representative Presentations

Day3 (Nov 21)



Bulgaria



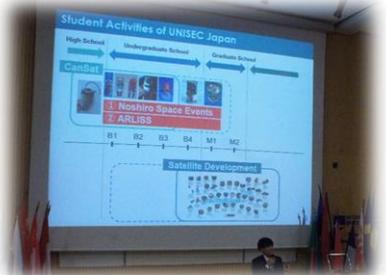
India



Argentina



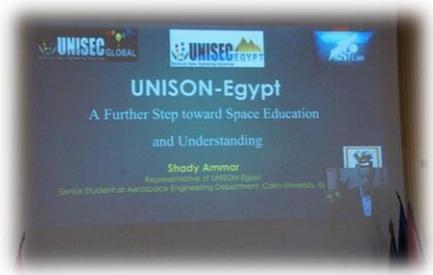
Japan



Italy



Egypt



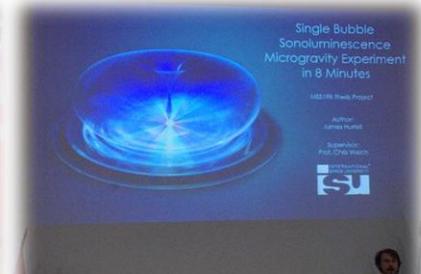
Canada



SAR



ISU



## “Gender Equality in the Space Field”

### Introduction



### Guest Speech



### Break-out Session



### Panel Discussion



# Closing Ceremony

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Day3 (Nov 21)



**MC: Rainer Sandau**  
IAA



**Shinichi Nakasuka**  
The University of Tokyo



**Chris Welch**  
International Space University



**Rei Kawashima**  
UNISEC-Global



**Juan de Dalmau**  
President of ISU

# Strasbourg Tour

Day3 (Nov 21)

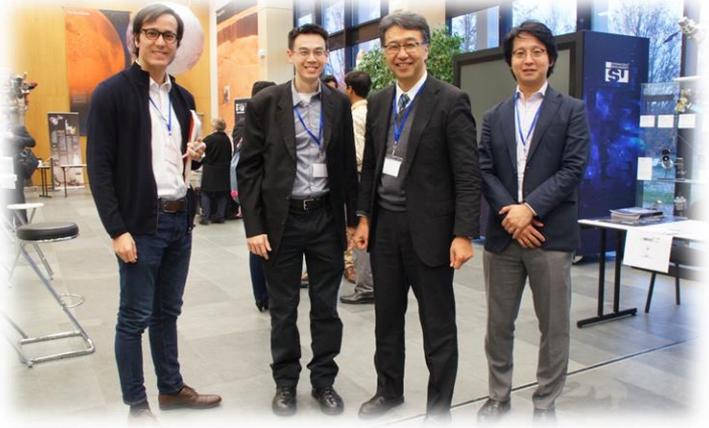
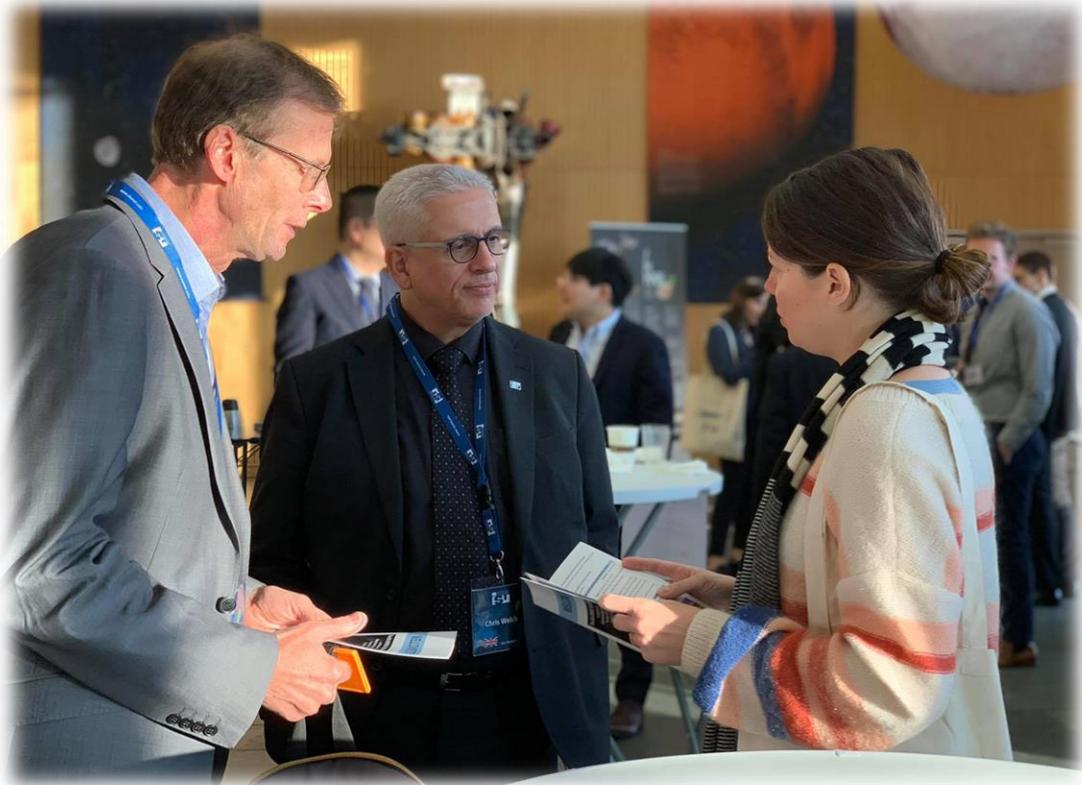


# Break & Lunch, Exhibition

Day1~3 (Nov 19~21)



# Networking



# Preparation

Day0 (Nov 18)



# Thank you !!

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# See you next year !!

# Thank you Sponsors

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## DIAMOND SPONSOR

**LOCKHEED MARTIN**



## PLATINUM SPONSOR

**Canon**

CANON ELECTRONICS INC.

## SILVER SPONSOR



## EXHIBITORS



## COLLABORATORS

