

ISSI-BJ APSCO Forum on Science Missions using CubeSats

6 –7 June, 2019

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THURSDAY 6 June 2019

Session 1 Introduction

Chair:

9:00-9:15	Registration	
9:15-9:30	Welcome and introduction to ISSI-BJ, APSCO, and to the Forum	Maurizio Falanga Ebrahimi Seyedabadi Pierre Hagmann
9:30-10:00	Historical introduction to CubeSats	Qamarul Islam
10:00-10:30	COSPAR Roadmap on Small Satellites for Space Science	Maurizio Falanga
10:30-11:00	<i>Coffee Break</i>	
11:00-11:30	APSCO's current and future plans to use Cubesats as a tool for capacity-building and university cooperation	Ebrahimi Seyedabadi
11:30-12:00	Discussion	All
12:00-13:30	<i>Group Photo and Lunch</i>	

Session 2 CubeSats for Space Sciences

Chair:

13:30-14:00	Using CubeSats for Science Missions seen from a physics point of view. What can we do and when?	René Fléron
14:00-14:30	Cubesat, a new platform for deep space research	Xiaozhou YU
14:30-15:00	High Energy Rapid Modular Ensemble of Satellites (HERMES): probing space-time quantum foam and hunting for gravitational wave electromagnetic counterparts	Luciano Burderi
15:00-15:30	<i>Coffee Break</i>	
15:30-16:00	CubeSat for High Energy particle measurements	Muriel Richard
16:00-16:30	Students Presentations	All
16:30-17:30	Discussion	All
19:00	<i>Social Dinner</i>	

Friday 7 June 2019

Session 3 Cubesats Technology issues for science

Chair:

9:00-09:30	CubeSat Technology Capabilities	Leonardo Reyneri
9:30-10:00	Architectural and Engineering Overview of University-built CubeSats	Martin Langer
10:00-10:30	CubeSats Moon Exploration with the Japanese EQUULEUS and OMOTENASHI	Nicola Baresi
10:30-11:00	<i>Coffee Break</i>	
11:00-11:30	Foresail satellites for space science by Finnish Centre of Excellence in Sustainable Space. GTO orbit, radiation tolerant design, deorbiting systems	Jaan Praks

11:30-12:00 Engineering overview of Foresail CubeSats Muhammad Rizwan Mughal

12:00-13:30 *Lunch*

Chair:

13:30-14:00 Bio science Experiments with Cubesats Qamarul Islam

14:00-14:30 Small scale magNetospheric and Ionospheric Plasma Experiment Jaeheung Park

14:30-15:00 Science Missions and CubeSat Activity in Thailand
Amarin Pimnoo
Shariff Manuthasna

15:00-15:30 *Coffee Break*

15:30-16:30 Students Presentations

16:30-17:00 Discussion all

Session 4 Synergies and Collaboration

Chair:

17:00-17:30 Discussion

Future work plan:

- Outline, structure, publication of the forum report
 - Action items
 - Summary of the Forum
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