

CLTP5 Presentation

Seoul National University

Ji Hyun Park



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UNISEC
University Space Engineering Consortium



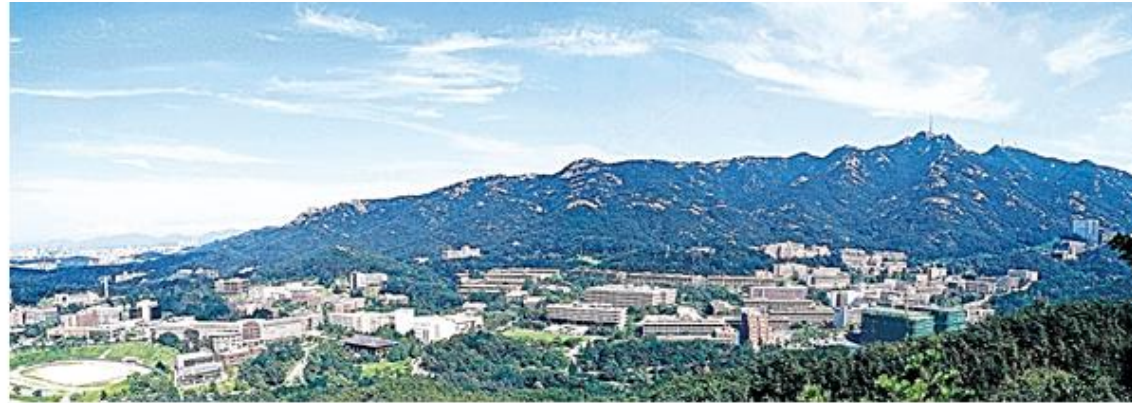
HOKKAIDO
UNIVERSITY

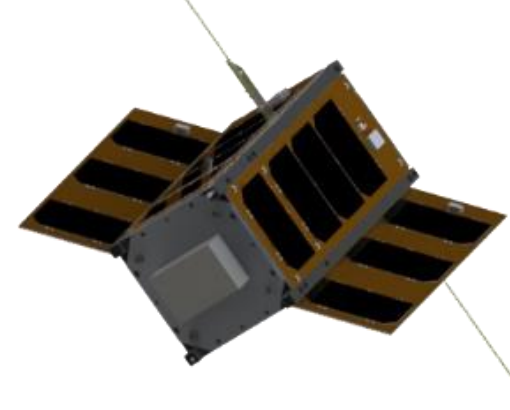
Introduction



- Name: Ji Hyun Park
- Date of Birth: Jan. 16, 1988
- Education
 - : Master of Science (2013), Mechanical and Aerospace Engineering, Seoul National University
 - : Bachelor of Science (2011), Mechanical and Aerospace Engineering, Seoul National University
- Affiliation: Aerospace Propulsion and Combustion Laboratory, Seoul National University
- Position: Researcher/Ph.D. Student

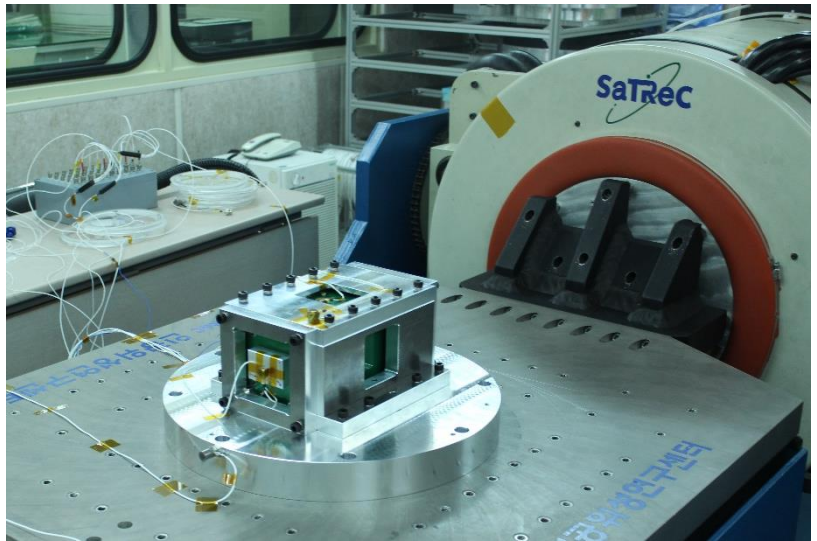
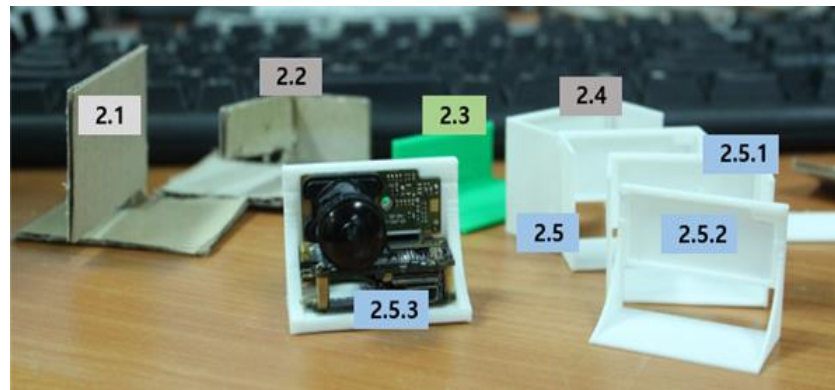
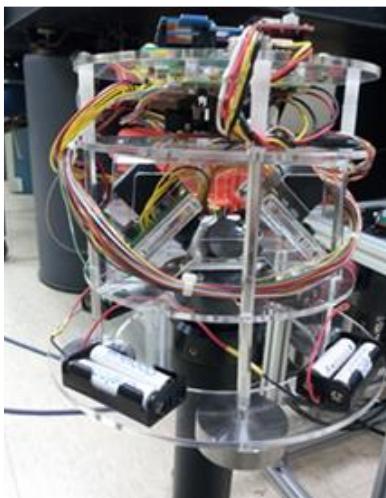
Introduction





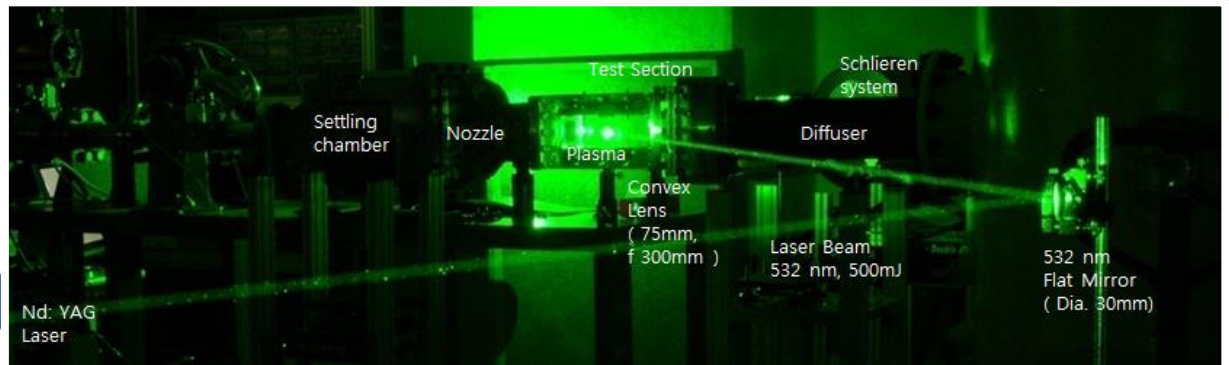
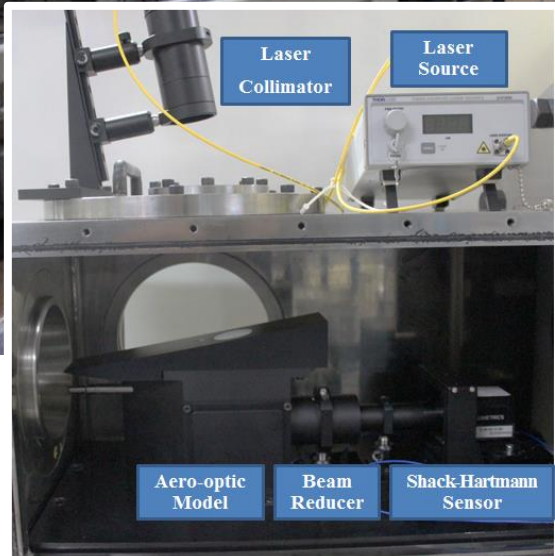
Introduction

- Major Research Topic: CubeSat
 - Currently developing 2U CubeSat for the QB50 mission



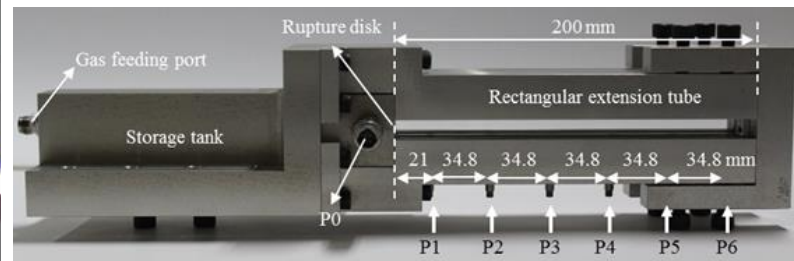
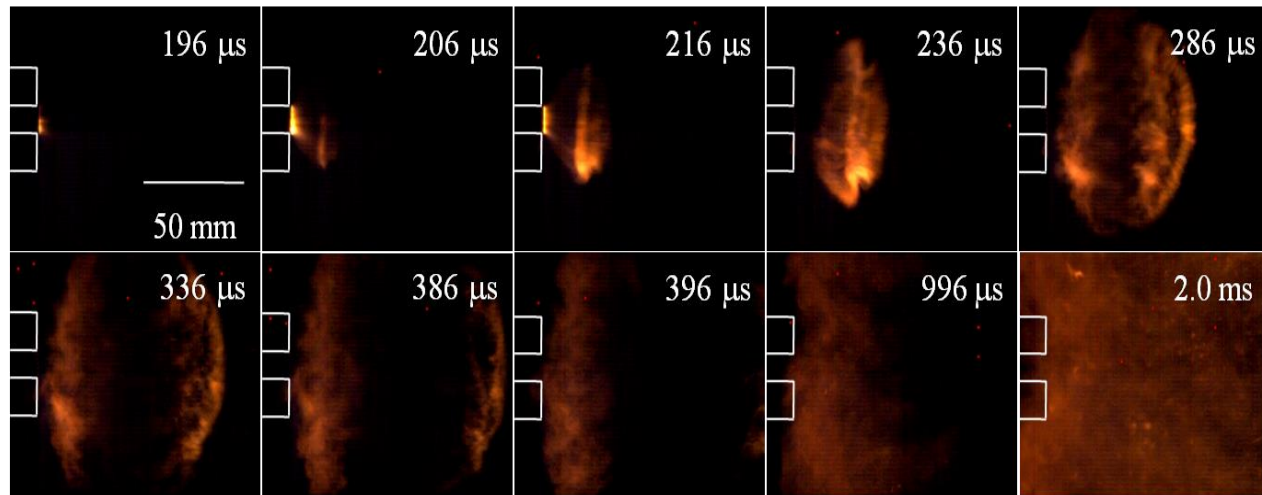
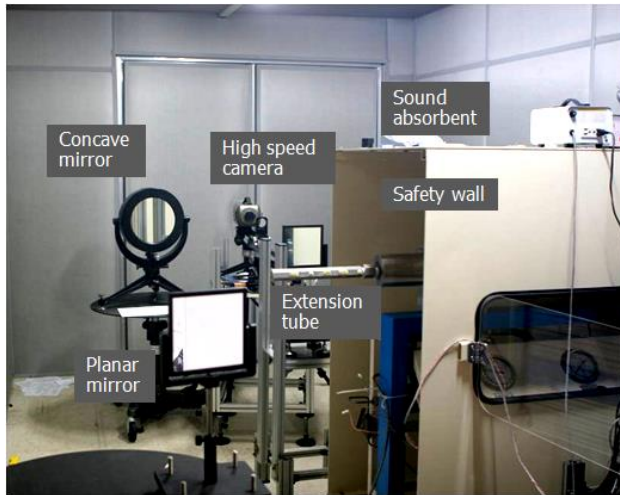
Introduction

- Other Research Topics

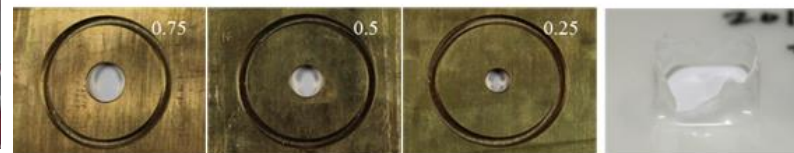


Introduction

- Other Research Topics

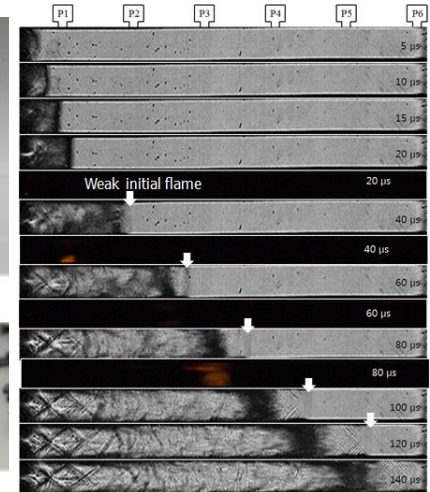


(a) Test model



(b) Insert plate to change open area

(c) Ruptured disk



CanSat/CubeSat activities in Korea

- CanSat Activities

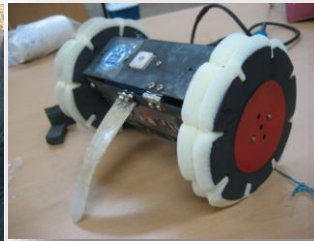
2006



2007



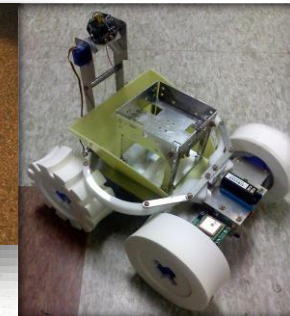
2008



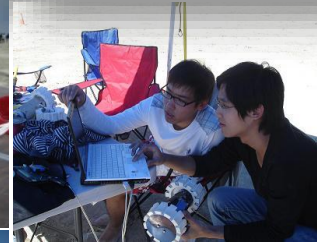
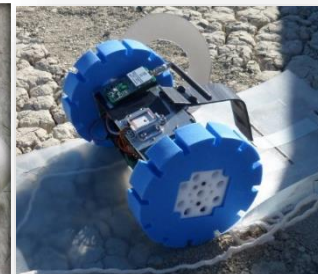
2009



2010



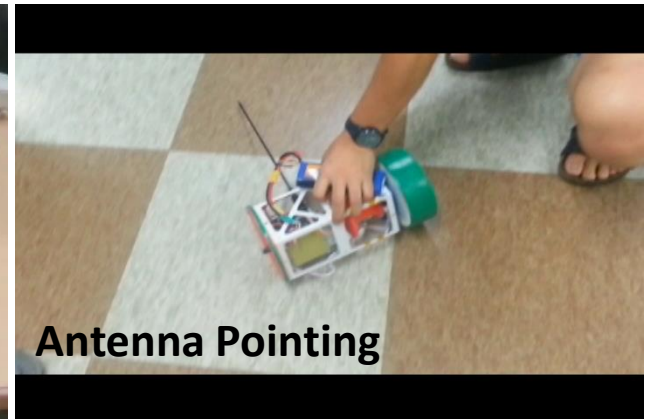
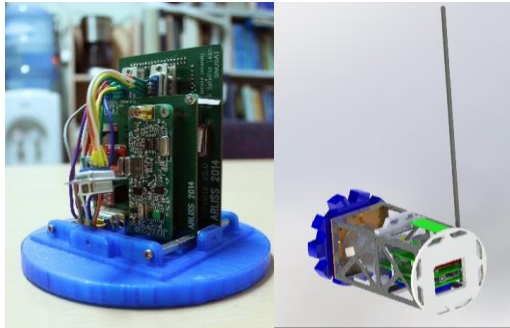
2012



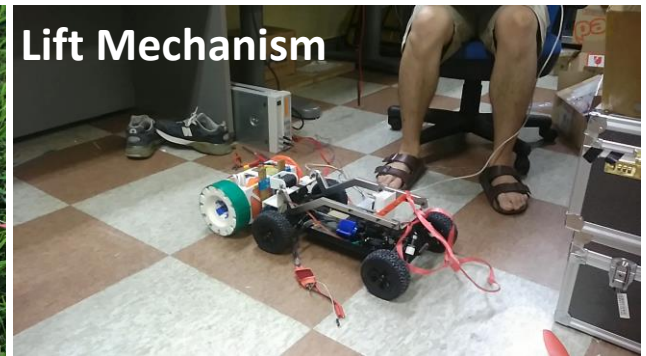
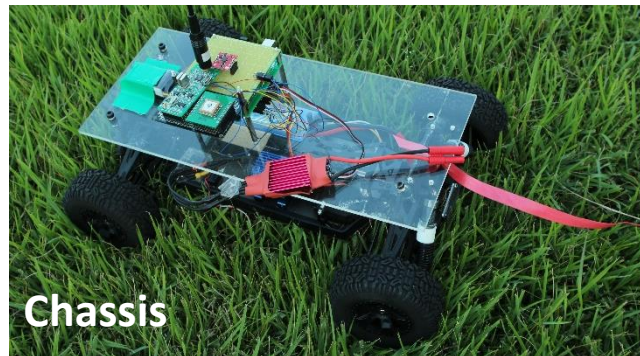
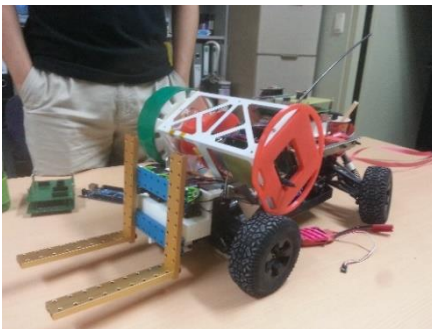
CanSat/CubeSat activities in Korea

- CanSat Activities

Satellite

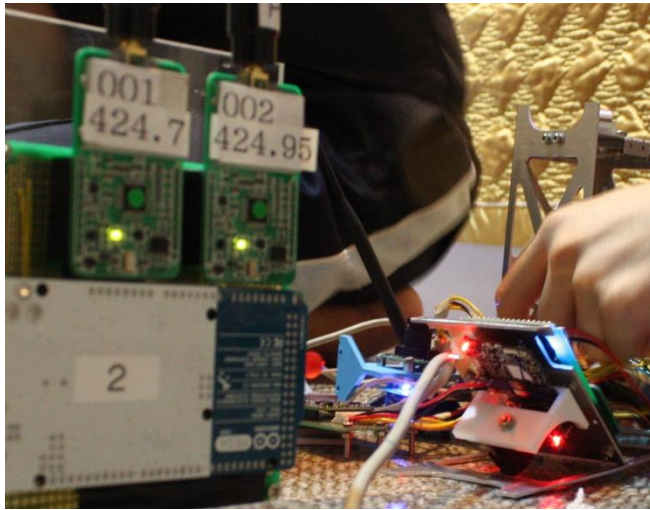


Rover



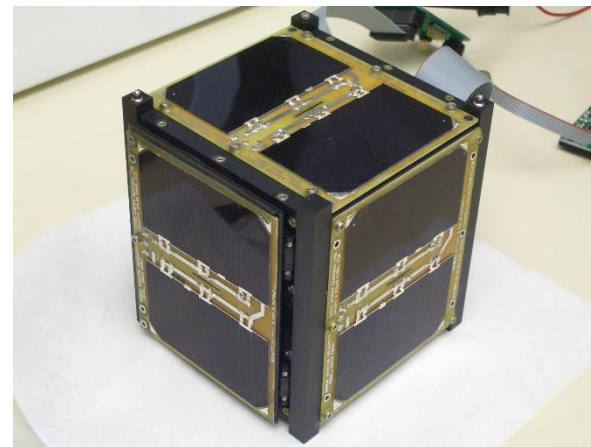
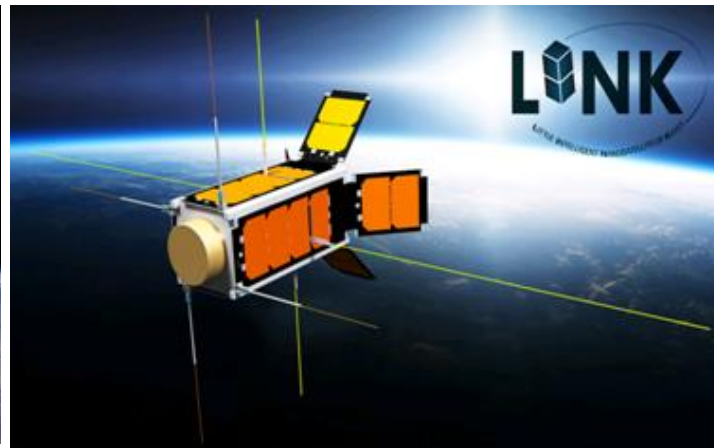
CanSat/CubeSat activities in Korea

- CanSat Competition



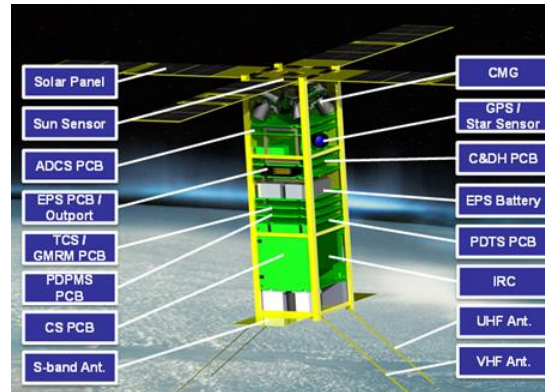
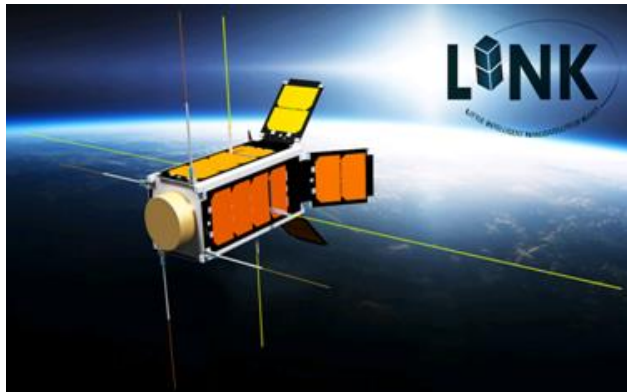
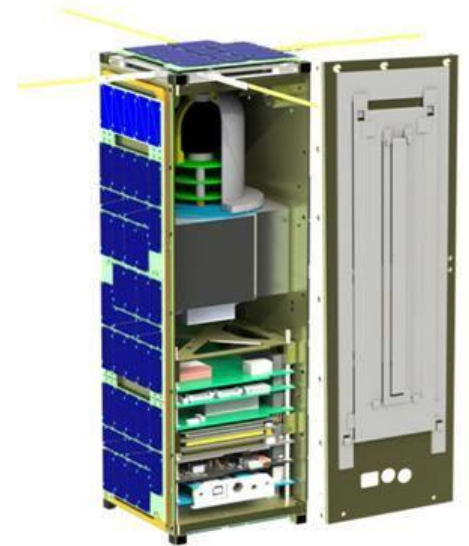
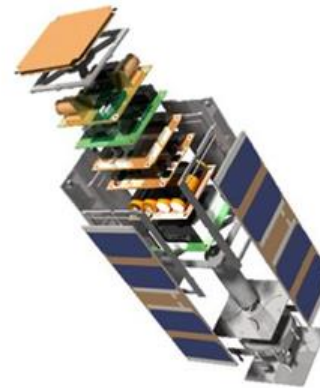
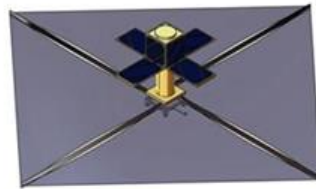
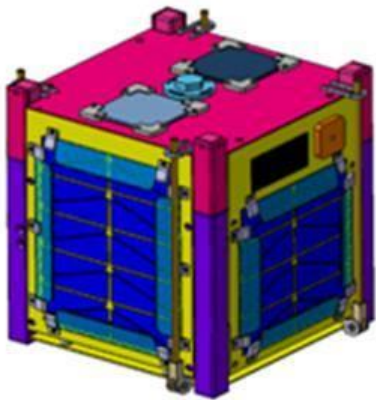
CanSat/CubeSat activities in Korea

- CubeSat Activities



CanSat/CubeSat activities in Korea

- CubeSat Competition





Expectations/Plans

- Despite years of CanSat/CubeSat experience, no actual training was available
- Opportunity to receive formal training through CLTP
 - Learn technical aspects of CanSat/CubeSat
 - Learn systematic training methods and its philosophy
- Develop an educational CanSat/CubeSat learning kit and material
 - Aiming for all students from K12 to university students

Thank you very much



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