UNISEC-Japan

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The 6th UNISEC-Global Meeting
About UNISEC-Japan

- ARLISS
- i-CanSat
- HEPTA-sat
- MIC
About UNISEC-Japan

HEPTA-sat
What is HEPTA-sat?
What is HEPTA-sat?

- Antenna
- Flight Switch
- 3D printing Structure
- Data port
- Release Switch
What is HEPTA-sat?

- Sensor Board
- EPS & Comm. Board
- C&DH Board

Components:
- Thermal Sensor
- GPS
- 9-axis
- Camera
- MPU
- Memory
- Transceiver
- Battery
What is HEPTA-sat Training?

1) Understanding basic satellite system architecture.
2) Experiencing the pico-satellite development process in a short time.
3) Acquiring the basic knowledge of space engineering.

Step 1: Lecture
Step 2: Hardware Assembly
Step 3: Hardware & Software Integration
Step 4: Mission Design
Step 5: Field test
Step 6: Review & Presentation

Congratulations!
Training Flow

3 Level
- Understanding
- Assembling
- Integrating
- Testing

4 Steps
- Mission Design
- Mission Design Review
- Mission Implementation
- End-to-End Test
- Final Mission Review

System Level
Subsystem Level
Component Level

Basic: 4 days
Extra: 1 week
Knowledge Transfer Concept

Tacit knowledge

Version Up
Altogether, 109 participated from 19 countries (Egypt, Tukey, Bolivia, El-Salvador, Malaysia, Nepal, South Africa, Namibia, Sudan, Ghana, Nigeria, Kenya, Mauritius, Brazil, UAE, Argentina, India, Mongolia and Japan) in 2017 to 2018.
UNISEC-Global Meeting
After this event
HEPTA-sat training
Place : ISU
Day   : 22nd, 23rd, Nov.
Thank you for your attention!