

DISCUSSION GROUP #8

ECO-SYSTEM DEVELOPMENT OF HEPTA-SAT

MODERATOR: STOIL IVANOV (SOFIA UNIVERSITY) CO-MODERATOR: MASAHIKO YAMAZAKI (NIHON UNIVERSITY) ASSISTANT: SCOTT RITTER (INTERNATIONAL SPACE UNIVERSITY)

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University Space Engineering C

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ABOUT HEPTA-SAT

DIMENSIONS

HEPTA-Sa Lab COMPONENTS

PROGRAM GOALS

- Comparable to a CubeSat
- Command & Data Handling Board (CDH)
- Electric Power System & Comms Board (EPS & Comms)
 Sensor Board
- Provide an understanding of the basic architecture of a small satellite
- Experience the development process
- Teach basic space systems engineering in a few days

WHY HEPTA-SAT IS IMPORTANT?

THEORETICAL KNOWLEDGE

HANDS-ON PRACTICE TEAM WORK AND CREATIVITY

ACADEMIA

- Practical training to unlimited number of students
- Cost and time effective
- No special lab equipment is required

NON-ACADEMIA

 Provides basic knowledge in satellite design



ECO-SYSTEM ORGANIZATIONS

MANAGING ORGANIZATION

COMPANIES

HEPTA-SAT

SUPPORT ORGANIZATIONS

LOCAL CHAPTERS

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EDUCATIONAL INSTITUTIONS



- How the Eco-system entities should interact with each other?
- How to make the HEPTA-Sat training easily accessible by universities all over the world?
- How to further develop the HEPTA-Sat so it becomes a more exhaustive program related to satellite design?
- How to broaden the target group to non-professionals?
- How to achieve sustainability?
- ...others

\bigcirc THANK YOU!