

Group Discussion #4 at the 1st UNISEC-Global Meeting

Successfully Launching University Satellites: From Design to Orbit

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Technical Hurdles

- Understanding Launch Requirements
 - Very important and need to define early
- Simple vs Complex Payloads
 - Buying vs developing
 - Understand University capabilities
- Analysis vs Testing
 - Testing gives faster results
 - Simple analysis is key

Programmatic Hurdles

- Funding
 - Traditional vs Non-Traditional Sources
 - Alumni, HR companies, engage all students K-12
- Satellite Lifecycle
 - Build, test, launch, operate a satellite in a student's academic career is the Goal
- Documentation and Procedures
 - Required by the launch vehicle
 - Few students like documentation, however it is necessary for a sustainable program
 - Necessary for next satellite program!!!

Regulatory Hurdles

- Country Ownership Declaration
 - What happens when your country does not have an official Space Agency
 - Who owns the satellite
- Orbital Debris
- Radio Frequency Licensing
 - Can be very confusing

Continuation

- Working Group
 - Regular emails
 - FaceBook
 - Conference Calls
- Concept for Group Discussions is very good and brings the community closer together and increase collaboration
- CubeSat Workshop at Cal Poly April 2014

Vision of UNISEC-Global - 2020-100

- *“By the end of 2020, let’s create a world where university students can participate in practical space projects in more than 100 countries”*



When several UNISEC-xxx have been established, let’s establish a new organization “UNISEC-Global” to support UNISEC-local chapters

