BLUEsat AGM Minutes

# Annual Reports

## Chief Technical Officer – Thien

### General congratulations

* Public release successfully increased awareness to academics on the project
* The satellite is on track for a solid release with all base systems fully spec-ed and designed
* Two revisions left – February 2012 and July 2012.

## Chief Operations Officer - Christian

### Issues with Mechanically managed ‘Foundation account.’

* Account was changed over to a ‘Suspense Account’ which Mechanical Engineering did not realise does not carry over at the end of the year.
* We subsequently ‘lost’ approximately $38 thousand dollars, having already spent approximately $8000 this year.
* U Committee is returning us $20K (including donation for this year) into account which will be managed by Foundation, not Mechanical Engineering
* Elias will ensure us $45K over two years from ASRP and ACSER. This will be safe and discretionary funding.
* Overall funding situation is safe.

### Breakdown of funds incoming from schools (excl. ACSER and U-Committee) at start of next year:

* Mechanical Engineering – $5K
* Electrical Engineering – $2-3K
* Arc – approximately $500

### Decent amount of money made through Fridge Fund.

* This money has been and will continued to be used specifically for member benefit (i.e. social events, room amenities for Groundstation.
* Thanks to Steph and Aiden for making baked goods to sell.

### Cleanroom

* Remodelling of Willis Annexe is unconfirmed (mostly hearsay) but the removal of the BLUEsat cleanroom may end up being included in the remodel.
  + We need to consider out options for a future cleanroom in the event that this ends up occurring.
* Progress with Cleanroom recertification:
* HEPA filters replaced as of 21/10/11
* Cleanroom cleaning scheduled for 26/10/11
* Recertification pending

### Merchandise pending for next year

* Arc will cover 30% of the manufacture costs. Steph W is looking into this.

## President – Tony

### Increased Project Visibility

* Public release, increased participation in events and lab demonstrating have made us more well known

### Recruitment

* Need to ensure constant recruitment to avoid generational ‘wanes’ in the project
* Hopefully have members involved in 2nd year courses to recruit promising students.
* Need to make sure we get in contact with the heads of various engineering societies (ELSOC, CSESoc, MechSoc, PVSoc &c) for bulk emails to be sent out to the society email addresses.

# ACSER Report and BLUEsat Continuation – Thien

### ACSER

* Andrew Dempster would like for the project to take a direction more ‘parallel’ to upcoming trends in space engineering
* This is to be implemented in ‘BLUEsat 2’, the continuation of the project after BLUEsat 1 has been completed

### **BLUEsat 1**

* Elias’ ASRP application provides $45K over two years and association with Optus and Thales for BLUEsat.
* ‘BLUEsat Primer’ document and all current Technical Drawings were sent to ACSER, Optus and Thales as of early Oct 2011.
  + The aim of this is to bring the three bodies up to speed with the current state of the project and put them in a better position to assist BLUEsat
* Elias hopes for this document to be expanded into a more in depth document which includes breakdowns of design decisions for all sub systems.
* Moving forward, the executives and senior members will communicate with Optus/Thales over the next few months to establish a working relationship

### **ACSER Conference - December 7, 8 and 9, 2011**

* Chance for BLUEsat to become visible to other stakeholders in the ACSER group.
* Important for senior members to attend
* We will give a presentation on the project.

Future of BLUEsat - BLUEsat 2

* Stephen Tsitas (satellite consultant for ACSER) expressed concerns over archaisms in the satellite design.
* Beyond BLUEsat 1, the satellite will have to better reflect modern trends in space engineering research. This means a bigger focus on novelty of higher design specifications and problem statement
* Present objective of BLUEsat 2 is to build a Cubesat to shift focus away from the Mechanical Structure and Launch interface.
  + BLUEsat 2 will focus on BLUEsat’s strengths (system/circuit design, satellite programming etc.
  + The use of Cubesats will be modular such that there will be interesting opportunities for novel mechanical designs to be added

### BLUEsat 1 to BLUEsat 2 Transition

* BLUEsat 2 work to interleave with BLUEsat 1 work following about July 2012.
* As focus is taken away from active development in BLUEsat 1, initial development will begin on BLUEsat 2.
* The Scrum framework should allow for good progress to continue on both project avenues.
* The Seniors are currently working on laying down the infrastructure and framework for BLUEsat 2. Project integrity is being ensured.

# Operations Improvement

### Purchasing

* Matt to recode ordering system.
* Add importing functionality for Altium BOMs.
* PCB orders should be included in main ordering framework

Ops to-do list:

* Small server cabinet to make space behind the couch
* Team storage boxes should be collected and then make sure general SMD components are not being hoarded by teams.
* Groundstation reorganisation meeting to be scheduled.

### Radio licenses

* Test to be organised for approx. February by Christian.

# Elections

## President 2012

Nominees:

* Thien

Elected unopposed: Thien

## Chief Technical Officer 2012

Nominees:

* Mitch

Elected unopposed: Mitch

## Chief Operations Officer 2012

Nominees:

* Chun
* Edward

Elected: Chun