

Second General Body Meeting

Date: September 30th, 2008

Time: 6:15 pm

- Agenda
 - Opening
 - Javier opened the meeting by introducing the executive officers.
 - All of the non-executive officers introduced themselves.
 - Speech by Dr. Lind
 - Dr. Lind opened speech by discussing Career Showcase, and how employers view resumes.
 - He discussed several opportunities available through AIAA for “beefing up” your resume, including:
 - Hybrid Rocket Team
 - Design-Build-Fly Team
 - AIAA Student Conference/Research Projects
 - He mentioned that participation in these sorts of activities is a great way to show initiative to potential employers.
 - Note: If you want more information about doing a student paper, or have an idea for a student research project, talk to an AIAA officer or Dr. Lind.
 - Graduate Research Presentations
 - Several graduate students from Dr. Lind's Flight Control Lab (MAE-A 321) gave a presentation about their research.
 - Ryan Hurley
 - Research deals with 3D vehicle motion planning around obstacles
 - “Get from point A to point B while avoiding obstacles”
 - Robert Love
 - Research deals with control of flapping wing vehicles
 - Includes work with DIC (Digital Image Correlation) camera systems.
 - Dan Grant/Baron Johnson – 3 projects:
 - Urban camouflage: incorporate everyday objects into an urban environment.
 - PLUS airplane: Power Line Urban Sentry
 - Morphing airplane wings/structures
 - NASA Goddard Space Flight Center Internship Presentation – Eduardo Villalba
 - Goddard Space Flight Center
 - Established in 1959 in Greenbelt, MD
 - Manages several missions, including Hubble Space Telescope, KOBE, and LRO, among others
 - Branch 595 – Flight Dynamics Analysis Branch
 - Proof of concept studies for proposed missions
 - Involved in preparation, operational support, and post-analysis for funded missions.
 - LCROSS
 - Mission to confirm presence or absence of water ice in a portion of the Moon's polar regions.
 - Secondary payload for the LRO, which introduces additional mission requirements, like changed launch dates, etc.
 - Eduardo worked on launch data verification – verification of targeting information from United Launch Alliance at Kennedy Space Center.

- Achieved with a robust automation script developed in MATLAB.
 - Script will be used as part of the March launch of the LRO/LCROSS
 - Several NASA internship programs – look on the NASA website for details, or email Eduardo at villej@ufl.edu.
 - Other website – <http://university.gsfc.nasa.gov> for more info on Goddard and other internship locations.
 - Florida Space Academy – <http://www.spaceflorida.com> – check out and apply.
- Officer Elections
 - Nominations
 - Treasurer – Ty Morton
 - Secretary – John Saxon
 - Both nominees were elected.
- Additional Discussions:
 - Design-Build Fly – Brandon Sell
 - Moving toward preliminary design this week
 - Looking to design a prototype in the next month, and flying by November
 - Hybrid Rocket Team – Eric Layton
 - Rocket Launches – **Saturday, Oct. 4th, 5 PM at Weaver/East Hall**
 - Will meet at Weaver Hall, walk to Flavet Field for the launches around 5:45 pm.
 - Design team meetings begin next week
 - Small Satellite Design Club – Eduardo Villalba, Dante Buckley
 - Main purpose: Develop the “Swamp Sat”, integrate an attitude control system to precisely control satellite orientation in a small form factor.
 - Small Satellite presentation, **Wednesday, Oct. 1st, 6:15 PM in Florida Gym Room 210**
 - **PLEASE RSVP TO ufsmallsat@gmail.com IF YOU WANT TO ATTEND**
 - Javier passed around a survey for potential AIAA activities for this year
 - Javier discussed AIAA national membership and the benefits that come with it
 - Office Hours/Tutoring start this week – see <http://mae.ufl.edu/aiaa/hours.html> for details
 - Next Meeting – **Tuesday Oct. 14th, 6:15 PM, MAE-A 303**