



October 16, 2013

Chair: Matt Zuk
Secretary: Hunt Culver
Education/K-12/STEM: Pete Warren
YP Rep: Tony Mansk
FIT Faculty Advisor: Dave Fleming

Vice Chair: Tristan Clouse
Treasurer: Bill MacDonald
Membership: Taylor Dacko
RAC Rep: Luke Roberson (via telecon)

Matt Zuk called the meeting to order at 5:30 pm.

The September 18, 2013 meeting minutes were approved as written.

The September Treasurer's report was received and accepted as amended. The amendment moved the September expense of the Brevard County School Zoo Teacher Open House event from line item 30.1 to line item 23. Current balance is \$994.08. The Council discussed upcoming expenses and which line item category to apply them. A motion was made, seconded, and approved to move \$300 from line item 20 (Lunch/Dinner Programs) into line item 23 (Pre-college Programs). The Council agreed that line item 23 includes activities like CCTS Robotics Day, NASA Family Education Night, and other STEM and K-12 events.

Bill Macdonald reimbursed Pete Warren \$28.04 for NASA Family Education Night supplies from line item 23 of the Expense ledger.

Old Business

- STEM Guest Lecturer Program
 - Pete held the initial guest lecture at the Satellite Beach High School (HS) auditorium on September 27, 2013. Forty (40) students, all from Advanced Placement (AP) classes, and two educators attended. A Satellite Beach HS representative said that they may request another lecture for a broader student audience group than just AP students. Pete commented that the students were very engaged. Pete is waiting for a follow-up from the instructor for feedback.
 - Pete said he has been contacted by JFK Middle School and is following up. Preliminarily the lecture would be to gifted students in the media center. Lastly, he is making inroads with Florida Air Academy through the dean of students.
 - Matt said Natalie Marshall from Eau Gallie HS is interested in in the program. Tristan said an AIAA member from ERAU expressed interest in starting a similar program in Volusia County.
- NASA Family Education Night
 - Tristan reported that the event was a success with non-stop action and everyone had a blast. There were 150 children participating. Fortunately, our close proximity to a "passport

station” where the participants go to earn passport “stamps” contributed to the high participation. Although it was too windy for a distance competition; there was simply a lot of interest in building the Styrofoam planes and testing them. Three student from the FIT AIAA branch and three students from the ERAU AIAA branch came and assisted Pete and Tristan. Pete will forward pictures to Jennifer for the next newsletter.

- Joint Dinner Meeting
 - The Fall dinner meeting was held in conjunction with the Missile, Space, and Range Pioneers (MSRP) and Florida Space Development Council, the local branch of the National Space Society. Approximately twenty AIAA professional members attended which was a good turn out although the official numbers have not yet arrived from the event chair, Bill Allen. An FIT student made a presentation of data analysis on radiation-caused damage to solar panel instruments. Bob Sieck was the keynote speaker, and he talked about the lessons learned from Apollo 13. FIT and ERAU students attended as well as an educator associate.
- CCTS Robotics Day
 - Dave Fleming reported that the event was successful. Although he was awaiting the official count from Lego League, there were 180 people in attendance. There were six from AIAA, including Matt and Bill, and there were other professionals in attendance. Fourteen robotics teams were there. The team from Miami said they left home at 5 am to attend, and a team came from Jacksonville just for the opportunity of open practice. Some high school teams demonstrated their robot for elementary students while others had static displays and worked with the younger students. For the high school teams, the event was an opportunity for showing off their robots. Florida Tech’s lunabotics team was on display and there were professional speakers for the HS students in a side lecture series program.
 - AIAA was one of the top contributors to the HS teams. Donations equaled about \$750 for some teams and about half that for the younger team.
 - From a lessons learned perspective, event support was great and the elementary students got a lot out of the experience. The “professional speaker” activity was not the most successful part of the event from an attendance perspective. Participants were not aware of the activity, either through insufficient publicity or lack of an event schedule/map. Thus Dave was the ‘town crier’ and went around to spread the word. This year was the second year to attempt to advertise to professionals to attend and share their experience and enthusiasm, and Dave was looking for ways to increase professional attendance.
 - Matt’s input was that the demonstrations were awesome. Bill commented that it was beneficial for CCTS to participate in the event and make its contribution to the general society.
 - Dave said he has collecting feedback and had received some already, noting especially a nice letter from a HS team coach thanking and expressing how valuable it was for his team. Event advertising included a notice in Florida Today’s calendar and in the Hometown News. A post event write-up in the Hometown News included a photograph.
- FIT Aviation Day
 - Tristan report this event was not as good as in past years. Half of the usual vendors did not attend, and she wondered how much the U.S. federal government shutdown played into the low attendance. From this Section five professional members and twelve student members attended. The purpose of the Section’s participation is a membership drive and just generally

raising awareness of the organization. Many people visited the AIAA booth including some teachers, thus the opportunity to discuss the STEM program as well as membership as an Educator Associate. Secondly the event was successful at promoting visibility of AIAA.

- Regional Advisory Council (RAC)
 - Luke reported that each chapter reported on their current activities. He said that Chris Jessee announced that AIAA National considering a new initiate for creating a student liaison position at the section level and maybe one position at the regional level.
 - The council discussed the initiative briefly, and Matt noted that we have invited the chair of the two local students chapters to attend these monthly meetings.

New Business

- Tony reported that the YP Fall Social Event was postponed due to the U.S. federal government shutdown. He had received three RSVPs and some late responses. Publicity was stunted since KSC's NASA Daily News was not available due to the shutdown. Tristan remarked that Amanda Gillespie is good at distributing the news (2012 Bowling/membership drive) and might be used as resource in the future.
- Matt received a new tablecloth/banner from National. It is blue on top with AIAA logo in the middle. Tristan said Bill Tatum suggested bringing the banner to outreach events, such as STEM events, to use as a draw to the public. And it was recommended that we should get a banner that spells out the acronym so the display of this new banner is more interesting. From previous experience we have learned people won't ask what AIAA stands for, but the words "Aeronautics" and "Astronautics" would draw the public's curiosity. The banner and tablecloth are available for use at future AIAA events.
- Matt stated that planning for the Holiday Meet & Greet is beginning, and the event will be planned sometime in early December. Matt is leading the planning and would welcome anyone who wanted to assist.
- Matt received communication from the education liaison for the AIAA Space Systems Technical Committee (TC) regarding an AIAA essay writing contest for 7th and 8th grade students. The TC is seeking to encourage local sections to conduct an essay contest in the February/March timeframe, select a winner to move forward to the national contest in the April/May timeframe. The section can decide the awards at the local level for 7th and for 8th grade contest winners. National awards include a cash award of \$100 to the students and a \$250 stipend to the teachers. This essay contest encourages technical writing capabilities at a vital development time by presenting technical problem to answer and support, and encourages local section connection with teachers and schools and contribution to STEM education. The committee discussed the pros and cons of conducting an essay contest, and Matt said he would distribute the information for committee review.

Committee Reports

Vice-Chair (Tristan): Reported she is working with an online service for marketing products, Vista Print, to investigate a less expensive way to produce the AIAA Cape Canaveral Section tri-fold pamphlets. She also recommended we begin working with Megan McDede, Merritt Island Girl Scout, about planning her Science and Engineering Expo event. Lastly, Tristan reported she has not yet received a response to her inquiries on the Boy Scout/Girl Scout Badge Camp from FIT Aviation.

FIT Faculty Advisor (Dave Fleming): The FIT Student Branch Chapter conducted a “new student barbeque”. The Branch also supported FIT aviation day, and Dave mentioned he has scheduled a meeting with Gabby Leesman, FIT Student Branch President, to begin planning for the FIT Student Branch dinner meeting.

Young Professionals (Tony Mansk): No additional input.

CCTS Rep (Bill Macdonald): CCTS is buying a computer and telephone number from Skype to provide teleconferencing service for the CCTS conference room. People can call in from phones, and in the conference room the conversation goes through the computer’s microphone and speakers.

Space Congress planning (Bill Macdonald): The planning team initiated a tiger team to investigate what CCTS’s purpose of the Space Congress and who its target audience is. They are having difficulty in finding corporate sponsorship as they are not able to send a Public Relations team without first identifying direct benefit. Consequently, Bill said CCTS is expecting some redirection to Space Congress. They are considering an event duration of one day or day and a half. They are considering dedicating the Space Congress to society members only, meaning not open to the general public. And they are still targeting an April date at the Florida Solar Energy Center facility in Cocoa. The planning team meets again on 11/14.

RAC (Luke Roberson): No additional input

Membership (Taylor Dacko): will compile latest membership data and provide to Hunt.

Secretary (Hunt Culver): No additional input.

Lastly, the council discussed that ERAU had participated in a glider competition sponsored by Red Bull, and that FIT AIAA Student Branch is interested in participating as well. Preliminarily they may need sponsors.

The meeting adjourned at 7:06 pm.

The next meeting is Wednesday, November 20, 2013.