



Robotics & Automation Society
Tampa Bay Chapter
"Learn, Do, Teach"

Minutes of the 11/20/2012 IEEE Tampa Bay RAS Meeting
(Prepared by Sean Denny, Recording Secretary)

Location: MOSI at 4801 E Fowler Avenue, Tampa, FL, 33617
Room: Idea Zone Maker Space
Date: November 20, 2012
Time: 6:30pm to 8:30pm

The Tampa Bay Chapter of IEEE's Robotics and Automation Society held the fourth meeting at its new home, The Museum of Science and Industry in Tampa. The IEEE RAS Chapter plans to execute on the Vision of the Chapter's Founder, George Schott to "Learn, Do, Teach".

There were a total of 20 people made of 6 IEEE members, 2 Students, and 12 guests present.

OFFICER ROLL CALL:

- o Chairman - Ken Fiallos
- o Vice-Chairman/Secretary - Sean Denny
- o Treasurer - Jim Melton-Excused
- o WEB Master - Victor Basantes-Excused
- o Membership coordinator -Jim Anderson
- o Chapter Photographer/Videographer- Sean Denny

PRESENTATIONS:

Dr. Jim Anderson gave the initial presentation of IEEE Membership Benefits. After showing the "Solutionists" video, he recommended membership as a "chance to connect" to people in the same professional fields."

Chairman Ken Fiallos discussed the proposal of the three year Business Plan for the RAS. The goal is to "Increase availability and technically competent entrepreneurial opportunities." We will accomplish through the following activities:

- 1) BEST (Boost Engineering Science & Technology) Robotics competitions where more people could get involved in a low-cost flexible program.
- 2) Develop low-cost Teacher In Service Lessons with the Arduino Microcontroller
- 3) Expand access to Robotics education with a mentoring pipeline and establish team support through annual workshops. The area would be divided by I-4 with Fortresses at MOSI (North) and HCC Brandon (South).
- 4) Manage with a Content Management System via Word Press
- 5) Be incorporated by December 31, 2012 and work with IEEE FWCS, HCC, and USF as the Florida Robotic Alliance (FRA).

Tom Hayden reviewed the recent trip on October 20th to the 2012 BEST Robotics Competition in Pensacola, FL at the University of West Florida. They have the students build robots where the length, width, height, and weight equal 24. The robots have to move things. The BEST Game Theme 2012: Design and build a prototype robot to transport cargo and equipment on a Space Elevator tower. Each student receives consumable and returnable kits to build the robots. The servos are Vex Cortex controlled. The Vex Programming Systems are programmed in Easy C and Robot C. The tools should cost around \$123.91.

Emma Alaba continued the presentation by outlining the competition from the Emerald Coast 2012 Game Day. Fourteen Hubs with 4 to 8 students participated. They were broken into four categories:

- 1) Marketing (25 points)
- 2) Team Exhibit and Interview (20 points)
- 3) Spirit and Sportsmanship (15 points)
- 4) Robot Performance (15 points)

Terri Willingham mentioned there is a Tampa Bay Maker Fair on March 23rd at the Pasco County Rotary Pavilion close to Highway 52.

OLD BUSINESS:

The Motion to approve the October Minutes as published was made by Ken Fiallos; Seconded by Craig Ross. There was no discussion and the motion passed unanimously.

NEW BUSINESS:

The Lignell Nomination letters have been mailed and emailed to the schools throughout the Florida West Coast Section area. The awards will be given at the Tampa Bay Engineering Week Banquet at A La Carte Pavilion in Tampa on February 22, 2013. Contest open to ALL FWCS Public High School Science and Math Teachers. Nomination Forms are to be returned no later than December 21, 2012.

ROBOFEST 2013 will be March 16th. Emma Alaba provided a flyer for the training and competition schedule.

Sean Denny gave a review of the highlights of 2012 with the IEEE RAS which included a couple well attended meetings at USF and HCC. We participated in Robofest, Teacher in Service Presentations at Professional Study Days and the STEAM Summer Camp, Arduino Microcontroller Workshop, BEST Robotics and Solar Panel Presentations.

Our next Arduino Workshop is January 12th at Apreccio-Levy.

We were invited to the USF Engineering Fair in February.

Officer-Only Meeting on December 18th and the Regular meeting resumes in January 15th, 2013.

Adjourned at 8:30pm by Craig Ross; Seconded by Sean Denny.

Respectfully submitted by

Sean Denny,

Tampa Bay IEEE RAS Chapter Secretary

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