 **Minutes of the 07/16/2013 IEEE Tampa Bay RAS Meeting**

 (Prepared by Sean Denny, Recording Secretary)

Location: DeVry University at 5540 W. Executive Drive, Tampa, FL, 33609

Room: 210

Date: July 16, 2013

Time: 6:30pm to 8:30pm

The Tampa Bay Chapter of IEEE’s Robotics and Automation Society held the first meeting back at DeVry University. 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 8 people made of 5 IEEE members, 0 Students, and 3 guests present.

OFFICER ROLL CALL:

o Chairman – Ken Fiallos

o Vice-Chairman/Secretary – Sean Denny

* Treasurer – Tom Hayden-Excused

**CALANDER (REVISED 7/16/13)**

8-14-13 BEST Workshops (9-3PM Mentors and Teachers only ) HCC Brandon

9-21-13 Kick Off Day and Workshops 9- 3 PM HCC Brandon

10-19-13 Mall Day (9-3PM Pre Competition Practice) HCC Plant City

11-1-13 BEST Competition   (Friday Evening) Armwood High

11-2-13 BEST Competition (All Day) Armwood High

**ARDUINO PRESENTATION:**

Ken Fiallos outlined the next Arduino/XBee Workshop. We have a joint Workshop with FLATE for the next “Learn Your ABCs” on July 29th to August 2nd.

 Day 1: Workshop Overview

 Day 2: Arduino Breadboarding a Pulsewidth Modulated Speed Controller

Ken gave a preview of the workshop covering the following topics:

Arduinos,Series 2 XBEE Communications, Arduino Code, TeraTerm emulations, IEEE 802.15.4 Zigbee Radios, Parallax Adapters, Transistors, MOSFET Controlled Switch, and h Bridge 1293d.

**TEACHER IN SERVICE UPDATE:**

Sean Denny gave an overview of Teacher In Service Programs. He also passed around a 7-5-13 TBT newspaper article on an “Annual RoboCup” International Project involving Robots playing Soccer. Dr. Janusz Zalewski, zalewski@fgu.edu, Engineering Professor from FL Gulf Coast University in Fort Meyers said he is working on a similar project.

**BEST COMPETITION UPDATE:**

 Ken Fiallos described the business plan for BEST via the FL Robotics Alliance over the past year. The program is making Robotics accessible to Tampa Bay through a mentoring pipeline. Focus is to get the kids to design the gears and make in a 3D printer at MOSI or HCC. We want to assemble Consumable and Returnable Kits. It costs $20,000.00 to cover this robotics camp. Our RAS Chapter is looking for approximately 75-100 volunteers to help with the upcoming Workshops from August through November.

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The BEST Competition is spread over November 1-2, 2013 at the Armwood High School Gymnasium.

**TREASURER**: Tom Hayden was not present. Sean reported that $196 was collected in January, $45 in May, and $25 in July bringing the total to $266.00 by July 16th. We need to donate $1500 to the FRA for the BEST competition needed for food and shirts.

OLD BUSINESS:

Ken asked for a motion to move back to DeVry University from MOSI except when the IDEAL Zone is needed at MOSI. Motioned by Craig Ross; Seconded by Dr. Janusz Zalewski.

The Motion to approve the June Minutes as published was made by Drew Davis; Seconded by Craig Ross. There was no discussion and the motion passed unanimously.

NEW BUSINESS:

Micah Alo is working on a project counting fish with a digital camera, lasers, and Arduinos.

Dr. Janusz Zalewski is doing an Arduino Workshop for Collier and Lee Counties. We should work together to help the students and exchange information. One example is programming robot arms. Ken said we would certainly help through the IEEE.

Emma Alaba said that Robofest Thanksgiving RoboParade will be at Thurgood Marshall on November 8, 2013. Grades 4th - 12th.

Ken Fiallos mentioned the Electrathon America Foundation may have a National Championship with RPM Motor Sports, ESPN and Disney World at December 8th.

Adjourned at 8:30pm by Sean Denny; Seconded by Emma Alaba.

Respectfully submitted by

Sean Denny,

Tampa Bay IEEE RAS Chapter Secretary

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