

Minutes of the 10/16/2012 IEEE Tampa Bay RAS Meeting
(prepared by Sean Denny, Recording Secretary)

Location: MOSI at 4801 E Fowler Avenue, Tampa, FL, 33617
Room: I-Lab Educational Center
Date: October 16, 2012
Time: 6:35pm to 8:30pm

The Tampa Bay Chapter of IEEE's Robotics and Automation Society held the second 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 8 people made of 5 IEEE members, 1 Student, and 2 guests present.

OFFICER ROLL CALL:

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

PRESENTATIONS:

Ken Fiallos and Sean Denny lead a multimedia review of the initial Arduino Workshop at USF on October 6, 2012. While the video was shown of preparing the simple motors, Sean described the collected data and distributed photographs from the event. Ken said there will be an article in the March issue of the IEEE RAS Magazine.



Ken Fiallos described we are preparing for a BEST Robotics Competition in Hillsborough County on October 13, 2013. Ken Fiallos and Tom Hadyn plan to travel to the University of West Florida on October 20th to witness how a BEST Competition works.



Jim Melton gave a presentation on Quadcopter Unmanned Autonomous Flying Vehicles (QUAVs) developed by Parrot. He discussed the mechanics and programming of the device as well as demonstrate indoor flight patterns using C programming language, WiFi and a laptop. The Counter-rotating blades are driven by brushless motors. The 3 phase stereoscopic maintains balance. It includes programmable controllers. Uses 900 Mhz to transmit video streaming back to an iPad. The FAA requires License for Quadcopters at 50 pounds or less. The two quadcopter models were flown with a remote control and iPad. Video feed was downloaded from the larger model. The attendees had fun with flying them around.

OLD BUSINESS:

The Motion to approve the September Minutes as published was made by Jim Melton; Seconded by Craig Ross. There was no discussion and the motion passed unanimously.

NEW BUSINESS:

The Great American Teach In is November 15th this year. Volunteers are needed for Miles Elementary School in Tampa and Largo Elementary in Pinellas County:

1) Pinellas County

From: Pohley Leslie <pohleyl@pcsb.org>

Hi,

Hope you are well! I need your help at our Great American Teach- In on November 15th. The kids are so excited to learn about engineering as a career as well as use their inquiry and collaborative skills to design and build a robotic arm.

Thank you so much!

Ms. Pohley

2) Hillsborough County

From: Debra Mora <Debra.Mora@sdhc.k12.fl.us>

Hi there!

I hope you have been having a wonderful year!! I wanted to let you know that our school has begun Lego robotics instruction. We began the program over the summer and now we are continuing it through this school year. Would you happen to know of anyone who could come for the Great American Teach-In; perhaps someone who could make the connection to our Lego Robotic program? We have loved the presenters in the past and hope to have some for this year's Great American Teach-In.

Sincerely,

Debra Mora

Guidance Counselor/ESE Contact

Miles Elementary

Ph. (813) 975-7337

Fax (813) 975-7099

debra.Mora@sdhc.k12.fl.us

Rt# 2

3) Career Fair at Academy Prep

-----Original Message-----

From: Elizabeth Good <EGood@academyprep.org>

Dear Esteemed Professional,

Every year, Academy Prep aims to expose out students to a multitude of career opportunities through a variety of presentations conducted by local professionals such as yourself. I am pleased to invite you to participate in our 2013 Career Day on Friday, November 9th. If you are interested in receiving more information on how you can participate, please reply to egood@academyprep.org or contact me at 727-322-0800 x 2108.

Thank you,

Elizabeth Good

Community Relations Coordinator

Academy Prep St. Petersburg

2301 22nd Ave S, St. Petersburg, Florida 33712

cell: 727-871-7281

work: 727-322-0800 x2108

4) The Lignell Nomination letters have been mailed 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.

Adjourned at 8:30pm by Craig Ross; Seconded by Jim Melton.

Respectfully submitted by

Sean Denny,

Tampa Bay IEEE RAS Chapter Secretary

venner20@ieee.org

727-678-0183