

**Minutes of the 01/21/2014 IEEE Tampa Bay RAS Meeting**

(Prepared by Sean Denny, Chapter Chair)

Location: DeVry University at 5540 W. Executive Drive,

Tampa, FL, 33609

Room: 210

Date: January 21, 2014

Time: 6:40pm to 8:20pm

The Tampa Bay Chapter of IEEE’s Robotics and Automation Society held the January 2014 meeting at DeVry University 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 four people made of 3 IEEE members, One Teacher, Zero Students and

guests present.

OFFICER ROLL CALL:

o Chairman – Sean Denny

* Vice-Chairman-Vacant
* Secretary – Sean Denny

o Treasurer – Jim Cavanaugh-excused

PRESENTATIONS:

1. STEM PROPOSALS by Bill Waggener

Bill Waggener ran through his proposed “Beyond Ohm’s Law” presentation of STEM Based lessons intended to be a Teacher In Service Presentation. Bill intended the presentation be a continuation of two lesson plans already on [www.tryengineering.com](http://www.tryengineering.com): “Get Connected with Ohm’s Law” and “Arduino Blink.” The NEW STEM LESSONS would include: “Beyond Ohm’s Law”, “Sensors, Actuators, Motors, and Things That Go Bump in the Night. It would conclude with some Class Project that combines the concepts.

The lesson: “Beyond Ohm’s Law” Uses Kirchoff’s Law to simplify resistive circuits by combining series and parallel resistors; 5 volts running off an external battery pack on a bread board and be appropriate for Ages level 14-18.

Next Lesson “Sensors, Actuators, Motors, and Things that Go Bump in the Night” like photo detectors, thermistors, sonic sensors, Analog and Digital Registers.

CLASS PROJECT: A Variation of existing projects

Bill ran through sixteen slides and accepted feedback to improve or change the context. .

1. ROBOFEST Update by Emma Alaba

Emma Alaba requested an experienced principle judge (Ken Fiallos volunteered) for the Competition Day on March 15th. IEEE RAS should have a presence. World Championship Day in Detroit on May 17th.

1. TISP Grant Requests by Sean Denny

Sean Denny and Ralph Painter compiled 18 requests from schools from both Pinellas and Hillsborough Counties. The current total comes to 53 different lesson plans servicing 2,777 students. Ralph organized a four-page spreadsheet which was delegated between the attendees at the RAS Meeting. The following will go out to price the materials to turn a request over to the ExCom Treasury: Ken Fiallos chose Page 1; Sean Denny on Page 2; Bill Waggener on Page 3; and Emma Alaba on Page 4. Chairman Denny thanked everyone in advanced because we are directly serving the local schools.

1. ELECTRATHON RACE by Ken Fiallos

Ken announced a Wharton Wildcat Windup Race at Wharton High School on January 25th.

1. Florida Robotics Alliance Meeting at HCC Brandon on February 6th.

OLD BUSINESS:

The Motion to approve the December Minutes as published was made by Ken Fiallos; Seconded by Bill Waggener. There was no discussion and the motion passed unanimously.

NEW BUSINESS:

Ken offered to search out other Maker-Spaces throughout the area Potential meetings including Osceola High School.

We collected $10.00 for deposit into the RAS account with the FWCS Treasury.

Bill Waggener leaves for Georgia for the summer after April. Therefore, we are planning a workshop with the proposed concepts possibly at HCC. Ken said as long as we partner and run a joint meeting with IEEE, FRA, or HCC our liability is covered.

The Next RAS Meeting is February 18th.

Adjourned at 8:20pm by Ken Fiallos; Seconded by Bill Waggener

Respectfully submitted by

Sean Denny,

Tampa Bay IEEE RAS Chapter Chair

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