



THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.

## Baltimore Section

### September Executive Committee Meeting Report November 11, 2013

This report summarizes the proceedings of the IEEE Baltimore Section Executive Committee (ExCom) meeting held on November 11, 2013, Monday at the National Electronics Museum (NEM, <http://www.nationalelectronicmuseum.org>), Linthicum, MD.

Appendices include the following:

- Appendix 1 – Student Activities Report
- Appendix 2 - Meeting Agenda (11 IEEE members attended, Claudia Pak visited)
- Appendix 3 - Meeting Attendees

#### 1. CALL to ORDER & INTRODUCTIONS

Dave Price (Chair) called the meeting to order at 6:44 pm. Members introduced themselves. Attendee list is in Appendix 3.

#### 2. APPROVAL of LAST EXCOM MINUTES

Minutes not yet available, to be approved at a later time.

#### 3. PRESENTATION of EXECUTIVE REPORTS

- Chair: Dave Price
  - Meeting room requested for all ExCom meetings next year
- Vice-Chair: Collin Krepps
  - No report
- Treasurer: Kate Duncan
  - No report

#### 4. NEW BUSINESS

Senior Membership Drive coming March 8 or March 15, 2014. We need existing Senior Members to help review applications and write references. David will send email to everybody.

#### 5. OLD BUSINESS

- Scholarship: Kate will fill out the MGA forms for the Walt Willing Scholarship Fund.
- WiSEE Conference: Happened last weekend. We did not help out.
- Elections: Dave Kisak has elections all set up, will send email tonight.

## 6. ROUNDTABLE

- (Boris) requires \$200 budget for “Digital Signal Processors and Development Tools” to be offered Jan 11, 2014. Attendance will be eligible for CEU through IEEE. Bill motioned, Dave Kisk seconded, motion passed.
- (Carol) National Engineering Week will be sponsored by IEEE next year. Next Friday, She will meet them in University Delaware.
- (Carol) Society of Woman in Engineering is hosts the Dream Conference in UMD on March 1, 2014. It needs \$350 budget to support the meeting. Neville made the motion, Kate seconded. Motion passed.
- (Carol) Ming Ming will be the WIE chair next year.
- (Carole) Quality Engineered Software and Testing Conference will be hosted at Inner Harbor in Baltimore, MD on April 7~11, 2014 at the Hyatt Regency.
- (Claudia Pak) The IEEE Region 2, IEEE Baltimore Session, Engineering in Medicine and Biology Society (EMBS) Chapter and IEEE-USA are partnering to present a Technical Colloquium and Professional Development Seminar at NEM (Pioneer Hall) on November 23, 2013.
- (Bill) Will arrange the awards dinner for 2014.
- (Bill) He has been contacted about GlobeCom (Global Communications Conference) in D.C. in 2016. They would like us to participate in the planning committee. This can return \$15K or more for us.
- (Neville) VEX and FIRST assign all points to the performance of the robots. The Robot Challenge assigns only 40% of the points to Performance, with 60% of the points awarded to the Written Report, Oral Presentation, Creativity and Workmanship.
- (Neville) The BMI is looking for additional funding for supporting the Engineering Challenges. IEEE donated \$750 earlier this year, but this may need to be increased.

## 7. ADJOURNMENT

Motion: Bill S

Seconded by: Boris

Adjourned at: 8:00 pm

## Appendix 1: Student Activities Report

### Student Activities 11-11-13

1. 5 schools have registered and requested 46 2-leg kits and 7 4-leg kits. We don't have a point of comparison with last year since we did not keep this record, but the year before at this time, we had 6 schools registering 41 2-leg teams and 9 4-leg teams – fairly comparable. This year we've expecting 9 2-leg automated robots and 5 4-leg automated robots (but only 7 and 4 kits are required, since the Industrial p.c. boards are re-usable) - this compares with 6 2-leg and 3 4-leg Automation kits that we shipped in November, 2011. We have received a request for 37 kits from the New Jersey Section.
2. One of the schools has indicated it does not want its kits till the beginning of January – this is a good indication that the teachers are realizing that it is better to complete the project just before the competition while enthusiasm is high, than start early and have the robots sit around for weeks before the event.
3. Having shipped 47 kit boxes, we still have 36 robot kits in stock, with 40 kits due mid-November. We will need to print another 50 manuals. Inventory is down on Automation kits, but Jay will have 14 2-leg Industrial Automation kits by Thanksgiving, along with 10 4-leg kits.
4. The first joint conference between MAST (Maryland Association of Science Teachers) and TEEAM (Technology and Engineering Education Association of Maryland) was held on October 18 at Reservoir High School. There were some very interesting sessions. It was divided into 5 strands:
  - Tools to Engage Digital Learners
  - Technology & Engineering: Promoting the “T & E” in STEM
  - Next generation Science Standards
  - Merging Literacy into STEM instruction
  - Multiple Topics

As a means of distinguishing ourselves from VEX and FIRST, we opted to present the Robot Challenge in the “Merging Literacy into STEM instruction”, and about 8 people attended the session. Did not sign up any schools, but there was some interest in the Written Reports, Oral Presentations and the Artistic body. Made contact with Luke Rhine, who handles Technology and Engineering curriculum planning for MSDE (Md State Dept of Education), and gave him a private presentation a few days later.
5. I attended the Robotics Day event at UMCP on October 25 with my class. There were a number of robots on display and moving around, but I didn't see any robots walking. Most robots were purchased from other sources, but there were two robots with flapping wings that flew nicely and looked like they were developed there.
6. A meeting of the Pikesville Greenspring Community Coalition Education Committee was held November 7, and Chris Schumacher from the Baltimore County Department of Education spoke on “Common Core” and extolled the benefits of team hands-on projects in developing “creativity” and “thinking outside the box”. This would include robot projects such as VEX, FIRST and the Robot Challenge (with which she was very familiar). We may find it worthwhile to question whether VEX and FIRST, with their heavy dependence on pre-made assemblies and technical support, promote creativity rather than just trial and error.
7. Carole Baker, Deputy Director of the Baltimore Museum of Industry (BMI - where we hold the Robot Challenge) spoke to the Associated Societies Council on November 5. The BMI are concerned about the cost of running the Engineering Challenges, which at one time were financed by funds raised by Dick Magnani on behalf of the Engineering Society of Baltimore (ESB). Dick retired and turned this task over to ESB general fund-raising, who were also holding Engineers Week events. Somehow, these began to absorb much of the funding, leaving little left for the BMI. Carole was upset. They may need increased funding from us and other sources in order to continue to provide the venue for the Robot Challenge.
8. Our first Teacher/Mentor training session this year will take place November 21 at 4 PM at the BMI.
9. Checks were received from Notre Dame for \$1148 and Wilde Lake: \$784.
10. Expenses this month: Invoice from Kelvin for \$1836.20. My expenses: \$242.35, mainly for printing and office supplies.

Neville Jacobs

Appendix 2: Meeting Agenda



THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.

**Baltimore Section**  
**Executive Committee Agenda**  
**November 11, 2013**



- 1. CALL to ORDER & INTRODUCTIONS**
- 2. APPROVAL of LAST EXCOM MINUTES**
- 3. PRESENTATION of EXECUTIVE REPORTS**
  - Chair: Dave Price
  - Vice Chair: Collin Krepps
  - Treasurer: Kate Duncan
- 4. NEW BUSINESS**
- 5. OLD BUSINESS**
- 6. ROUNDTABLE**
- 7. ADJOURN**

### Appendix 3: Attendees

November 11, 2013 Baltimore ExCom Meeting Attendees

<b>NAME</b>	<b>Position</b>	<b>Member (Y/N)</b>	<b>Email</b>
Dave Price	Chair	y	<a href="mailto:davidprice@ieee.org">davidprice@ieee.org</a>
Collin Krepps	Vice Chair	y	<a href="mailto:krepps@ieee.org">krepps@ieee.org</a>
Kate Duncan	Treasurer	y	<a href="mailto:kduncan@ieee.org">kduncan@ieee.org</a>
Jay Gamerman	Student Activities Vice Chair	y	<a href="mailto:jay.gamerman@ieee.org">jay.gamerman@ieee.org</a>
Carole Carey		y	<a href="mailto:c.carey@ieee.org">c.carey@ieee.org</a>
Dave Kiskak	Past Chair	y	<a href="mailto:dkiskak@ieee.org">dkiskak@ieee.org</a>
Neville Jacobs	Student Activities Chair	y	<a href="mailto:Nevilleed@aol.com">Nevilleed@aol.com</a>
William Semancik	Past Chair	y	<a href="mailto:wsemancik@ieee.org">wsemancik@ieee.org</a>
Boris Gramatikov		y	<a href="mailto:bgramat@jhmi.edu">bgramat@jhmi.edu</a>
Hong Yu		y	<a href="mailto:yhong2006@gmail.com">yhong2006@gmail.com</a>
Ron Aloysius	Signal Processing, Newsletter	y	<a href="mailto:ron.alloysius@ngc.com">ron.alloysius@ngc.com</a>
Claudia Pak		y	<a href="mailto:claudiapakmd@gmail.com">claudiapakmd@gmail.com</a>