

## IEEE Pikes Peak Section ExCom Meeting

### Meeting Minutes

*April 23, 2014*

*Present:*

<b>Name</b>	<b>IEEE Position</b>
Elam, Debora	Treasurer
Gerschefske, Mark	Computer Society Chair
Hendrix, Constance	Secretary
Meredith, John	Continuing Education
Santiago, John	CTU Student Branch Advisor
Wells, Dave	Chair

*Next Meeting:* Section Technical meeting planned for June 13, 2014.

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### **I. Announcements**

- On May 7, 2014, the Department of Electrical and Computer Engineering at USAF Academy will be holding their annual Capstone Open House. The Section is looking for volunteers to judge the projects, then select the top three based on how well the group/project met certain criteria. If you are interested in registering for the event, please do so at the [IEEE Pikes Peak Section website](#) under the Calendar Box before May 2, 2014.
- Dr. Trung T. Pham, current ECE professor at the University of Talca in Chile, will be visiting our section June 13, 2014 to provide a presentation. Potential topics include:
  - Automatic Segmentation of Images from Electron Microscope for Studying the Effects of Metal Stain on Cells
  - Recognition of Spectral Signature of Fire in Aerial Images for Detection of Forest Fire
  - Application of Fuzzy Logic in Genetic Algorithms for Solving Optimization Problems with Future Quantum Computers
  - Developing Human Intelligence in Students through the Understanding of Artificial Intelligence
  - Tutorial on Fuzzy Logic
    - Might be of interest for area students.

## **II. Discussion**

### **a. Treasurer's Report**

- Debora Elam provided budget line item details to the meeting attendees. The 2014 Budget was finalized, and will be recreated in NetSuite (IEEE website). Balances are listed below:
  - Investment Account - \$55,894 - monies were garnered from previous years' conference proceeds.
  - Checking Account - \$618.23
- Furthermore, a total of \$3,000 has been obligated from the investment account to pay for scholarships to UCCS, CTU, and CSU-Pueblo. Three checks will be cut soon.

### **b. Region 5 Annual Meeting Report**

- Debora Elam attended this year's Region 5 Annual Meeting. The highlights included discussions on IEEE Membership (numbers were discussed in detail), community involvement, and contributions to the profession. The members identified a need for continuous learning for engineers and for the promotion of STEM activities with the K-12 and young adult demographics.

### **c. IEEE-USA Meeting**

- This year's meeting will be held May 15-18, 2014 in Warwick, Rhode Island. Lewis Dove was identified to represent the Section; however, due to reasons beyond his control, he will no longer be able to attend. His potential replacement is unconfirmed.

### **d. Officer comments**

- On 5 April 2014, the Department of Electrical and Computer Engineering at the USAF Academy sponsored six cadets at the annual Circuit Design Competition at the IEEE Region 5 Conference held in Corpus Christi, TX. The competition required participants to use analog and digital parts provided at each lab station together with data sheets and test equipment to realize a circuit that must process sensor inputs, make decisions, and then successfully generate display and actuator outputs. Dr. John Ciezki led the three teams that consisted of C1C Charles Armstrong and C1C Tatsuki Watts, C1C Christopher Grimm and C2C John Miller, and C2C Christopher Boulanger and C3C Jasper Arneberg. Although none of the three teams won the competition, all saw success in their implementations and accompanying demonstrations. The cadets believed that their course work and laboratory experience at

USAFA put them in good position to compete and the second- and third-classmen are eager to return to battle at next year's IEEE Conference in New Orleans, LA. The cadets also interacted with other college students engaged in robotics and ethics competitions, and all six cadets represented USAFA proudly and competed well in this technical venue.

- The IEEE link for Center for Leadership Excellence (CLE) has a plethora of tutorials that members can access. If interested, search on vTools.

### **III. Action Items**

- Previous:
  1. Debora to follow-up with USAFA to close out USAFA capstone project review event - Event currently planned - CLOSED
  2. Constance to work on annual report of meeting activities to the Member and Geographic Activities Department staff - Report no longer required - CLOSED
- New:
  1. Debora will recreate budget in NetSuite.
  2. Dave Wells will follow-up on Dr. Pham's visit.
  3. Constance will call the Gazette and Independent newspapers to announce Dr. Pham's visit.

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