

David BONDURANT

3:33 PM (3
hours ago)

to Calvin, Yugesh, Russell, David, Dmytro, John, William, Jude, Eugene, Bailey, Ezio, George, Juan, Thottam, Priyank, Byeong, Tarek, Senthilkumar, Ze, Rich, Darshika, John, me, Navid, Abigail, Faye, Jim

Pikes Peak Executive Committee Meeting - August 28, 2024

The Executive Committee Meeting was held at Gates Grille Game Room at Cheyenne Mountain Resort. Dinner was served during the meeting.

The Meeting was attended by:

David Bondurant, Chair

Gene Freeman, Vice-Chair

Mark Heinrich, Member, 2024 Election Committee

Priyank Kashyap, YP Representative

Senthilkumar Mehalingam, Vice-Chair, Computer Society Chapter

Dmytro Bozhko, Chair, Magnetics Society Chapter

Navid Shahrouzi, Student Advisor, UCCS

Byeong Lee, Student Advisor, UCCS

John Santiago, Region 5 Educational Activity Coordinator (REAC), Past Chair



David Bondurant presented his list of key issues for August:
2024 Election Call for Nominations

**Senior Membership Upgrade Panel
Sign-up For Mentors and Judges for Future City - Colorado
Follow-on Program with National Museum of WWII Aviation and it's Student Simulation Lab
Completing the UCCS Fall 2024 Student Branch Plan**

He Reported that **Election Committee** has been appointed. It consists of Debora Elam (Past Chair), Chair and Teller; Mark Heinrich (Past Chair); and John Reinert, Section Treasurer (Retiring this year). The Call for Nominations has been issued to Section membership and we have received 1 candidate for each position (Chair, Vice-Chair, Secretary, and Treasurer). The Section will send out another announcement encouraging membership to volunteer for one of the positions prior to the Nomination deadline of September 13. The Regional requirement is 2 candidates for each position.

The Section held an event on July 16 with presentation by James Mercier of the Central Texas Section. He is their Senior Membership Upgrade panel leader as well as R5 representative to the National Senior Member review panel. We had 11 Senior Member candidates attend the event and express interest in Senior Membership. Since then, the Section has held 3 **Senior Membership Upgrade Panel** interview sessions for a total of 6 candidates who have entered the application process. We are waiting for resume and accomplishment documents for 5 others to complete this year's process. The Upgrade Panel includes David Bondurant, Glen Fox, Chip Spangler, John Santiago, and John Reinert. So far the first 3 have been involved in the interview process. Our plan is to hold an award banquet upon the completion of the Senior Membership awards to our candidates that will invite the existing Senior Membership to celebrate their advancement. Hopefully before year-end.

Last year, the Pikes Peak Section participated in **Future City - Colorado, a middle-school STEM program** where teams of students develop a Future City, create paper to be Judged for multidiscipline judging team. Finalists in this process advance to in-person presentation of Future City model and team presentation to panels of judges at an event held at Colorado School of Mines in January. Last year we had 2 Mentors and 14 Judges signup to participate. We sent a call for Mentors and Judges earlier this year but so far only 2 people have signed up. The Section will send out another announcement and Call for Judges in the near future.

David Bondurant and Bailey Heyman, Section **Student Activities** Coordinator meet with **UCCS** team of Dr. Kalkur (ECE Dept Head), Dr. Perera (Student Branch Advisor), and Dr. Navid Shahrouzi (Student Branch Advisor) at Azeka Indian Cuisine on August 5. The Section had discussed some upcoming events for students. Bailey Heyman has announced a Pikes Peak Students and Young Professionals Mixer to be held September 8 at COATI Miso Bar in the SoDo area of downtown. We plan to invited all area Students and Young Professionals to the event. Dr. Kashyap, our YP representative is working on a number of events to serve students and YP members. He held the first webinar, Effective Technical Presentations on August 21. He plans a webinar on Processor in Memory developments on September 19 and another event in early October on How to Write a Technical Paper. These lead up to a Student Presentation Competition to be held at UCCS in the last week of October. Dr. Kashyap will be working with Student Branch advisors to finalize the details of the event and to publicize it. Finally, UCCS Student Branch advisors suggested the need for closer coordination of events with UCCS Calendar. Students arrived back on campus on August 26 this year so many missed our first webinar. We had discussed need to get the December and Spring graduation schedules identified so we could plan events and gifts for graduating seniors prior to their graduation. The other issue discussed on August 5 was lack of student membership. The Student Advisors suggested that more students participate in on-campus student branch events that actually sign-up for membership. Current \$32 membership fee seemed too high. There was discussion after the August 5 meeting and tonight about how to address the issue. We learned that CSU-Pueblo ECE department funds first year membership using department funds. We explored the ability of the Pikes Peak Section to fund initial student memberships and learned that only some funds (not from Membership dues) could be used and there were tax forms that may be required. Alternately, the idea of providing UCCS Student Branch shirts to existing members and new members signing up as an incentive to join and become part of the team was discussed. We want to thank Byeong Lee and Navid Shahrouzi for attending and representing UCCS at our Excom.

David reviewed our past **\$6K grant program with National Museum of WWII Aviation** at Colorado Springs airport. The Section, LMAG, and Life Member Committee/Computer Society provided funding to upgrade the Student Simulation Lab used by UCCS Senior Students to develop Flight Simulation software to demonstrate WWII aircraft. He presented pictures of the results of last years activity which include Norden Bombsight simulator which allows visitors to do a bombing run with a 3-D printed version of the original Norden Bombsight and a B-25 waist gunner simulation where visitors can operate a 50 mm machine gun simulation to fire upon attacking Messerschmitt aircraft. Vern Patterson, Director of the Interactive Exhibits group is requesting additional funding of the Simulation Lab to allow expansion of the program to more students. The program has supported over 128 senior students over the last 10-years.

David also reported on **Pikes Peak LMAG trip to NOAA David Skaggs Research Center** in Boulder on August 6 in conjunction with Denver LMAG and High Plains Section.

David reviewed current **Section statistics**. We currently have 648 Professional Members and 48 Student Members. Student Members are spread over UCCS, CTU, Air Force Academy, CSU-Pueblo, and Adams State (Gunnison) campuses. He observed that the size of our Society Chapters with LMAG being largest with 205 members. We observe that Section has 104 YP members and could form a Chapter. We also observe 39 Solid State Circuits Society members who might be convinced to join our ED/CAS Chapter to create larger Semiconductor oriented Chapter. He observed that only 3 Chapters and Section are active. Neither the ED/CAS or Student Branches are reporting activity.

Finally, **John Reinert, Section Treasurer** was gone but submitted a treasurer's report. The Section had only the UCCS Student Branch lunch expense during August and currently has \$135K in it's operating and investment accounts.

Mark Heinrich (Section Past Chair and Election Committee member) discussed his move toward retirement and potential more engagement with the Section. He described his involvement with two cybersecurity professional groups in town. These groups are very active and tightly coupled with city Economic Development activity and act as a cybersecurity expert on call to meet with groups wanting to discuss the cities leadership in this area. Mark also discussed how Industrial Engagement has fallen in the Section since a peak of activity in 1980s and 1990s.

Dr. John Santiago (Webmaster and Past Section Chair) reported on his activity on the website and as R5 Educational Activities Coordinator John is working with Dileep Rai to upgrade our website on the Region webpage. Notably, he demonstrated the attributes of the new YP webpage that combines all YP resources in one place including events calendar. He demonstrated some AI generated videos that he has developed to promote IEEE membership to Students and Young Professionals. John would like to enhance these AI videos with actual human speakers. He showed off a green screen which he proposes to use to capture various officers of the Section speaking about Why They Join IEEE, talking extemporaneously or reading their script (30 seconds to 1-minute). He will start recording in upcoming meetings or you can send in your own short video to Dr John Santiago at john.santiago@ieee.org. These videos would be merged with other AI content to create a final more realistic promotional video. His AI Videos are already up on YouTube and gather significant interest.

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