



# **IEEE FOOTHILL MONTHLY NEWSLETTER**

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### **IEEE Foothill April ExCom/OpCom Monthly Meeting**

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The IEEE Foothill Section April 2023 ExCom/OpCom was held last April 11, and the meeting started at 07:10 pm. During the chairman's remark, David Gonzalez discussed the preparations and discussions regarding SusTech 2023.

#### **Section and Committee**

Membership Development, we had a senior elevation, Alfonso Orozco. Membership status for the month of March and April show our typical drop-off after the year; some members are no longer in renews. The active members as of now for the section is 815.

#### **Student Chapters**

Cal Poly Pomona: According to the student chair, the CPP-ECE Dept. will have a banquet, and IEEE will be the host. It will be held at Kellogg's West. David Gonzalez volunteered to speak at the banquet. They are also planning to have a Python Workshop and PCB Altium workshop.

#### **Technical Committees**

Nanotechnology, Dr. Jenny Yu gave us an update about the SETC Workshop. They had four workshops and one committee meeting. One is Sustainable Engineering, and they had 10 attendees. Soldering Workshop, which had 95 attendees. Flight Control had 29 attendees. They will have a student outreach for high-school students award. The First Flight Control Workshop for CPP from Hyperloop. It is a collaboration with Banshee UAV, another club project on campus. Attending students had the ability to team up and fly. These small drones are from DJI, and they are basically toys. Students had a lot of fun flying around the drones and flying them through these little pre-made hoops that they made for them. In the end, they had a small race to see who could fly through the most hoops actual amount of time in order for students to fly the drones. They had to attend a 1.5 hours safety lecture and introduction to UVs and those vehicles. So far, as the semester goes, they had a biannual soldering workshop, and they had a record of 95 attendees, both combined for middle and high school students. They only had two workshops left. As far as the PC competition, they had 30 teams, and the AI requires to upload their posters by May 26. After that, they had 13 judges confirmed to judge the posters.

ComSoc, their event last April 11, the *IEEE 802.11be/Extremely High Throughput (EHT), a.k.a. Wi-Fi 7*, had a total of 100 attendees. They also had an event last April 27th, and it is a student car race and an IoT arcade competition, which was held at CPP-Pomona. Dr. Tamer Omar also discussed the WTS presentation. Chris Lai and Bethany Chan are working on a project with CPP, building a zero-footprint carbon house. This project is all about providing funds that are used in order to build a house.

Computer Society will have an event on May 5th with their acting chair Amal Altahi and co-acting vice chair Jeff Grayson which is about *ChatGPT in Healthcare: Boon or Threat*. The section is grateful for the volunteer work of Amal and Jeff.

David Gonzalez is still working on his South America project, the STEM Academy he set up in Columbia. On a recent visit, he met a lot of people from IEEE and also represented the Rotary Club in looking for funding. He set up a computer lab in which they donated 10 laptop computers. High school kids from his 10th to 11th grade down there are learning how to do basic programming and are having workshops every three months. Since then, they have been receiving a lot of funding, and they are planning to get 3D printers also laser cutters, and it's going to be a hands-off environment. The school almost had a complete staff from director to operational principal, and now they had a total of 500 students. Now they are concentrating on ethics for both campuses, and this year, they are going to start closing a large taking place, but none of them will be offering basic AI like Microsoft Word and everything that makes a big difference.

Kim Mosley from WiE said that she has some plans. She's trying to connect with Michelle Pierce to possibly do a talk for WiE regarding electric vehicles and give information on the infrastructure bill and what we are doing here in California with respect to electric vehicle infrastructure. Probably she'll have it scheduled around July.

## **ComSoc: Autonomous Car Race & IoT Arcade Competition**

By: Prof. Dr. Tamer Omar



The IEEE Foothill Section ComSoc Chapter and the Cal Poly Pomona IEEE Student Chapter organized an Autonomous Car Race & IoT Arcade Competition on April 27, 2023. Around 40 participants attended the event, and multiple teams competed in both the Autonomous Car Race and an IoT Arcade contest.

Three prizes were given to the first three place winners for each of the Car Race and IoT Arcade Competition. First place winner's prize was a \$75 gift card, the second-place winner's prize was a \$50 gift card, and the third-place winner's prize was a \$25 gift card. The event aims at increasing the IEEE ComSoc chapter membership and attracting competitors to engage in developing frontier technologies (Internet of Things) applications.

# CPP-ECE: End-of-the-Year Banquet

By: Sameer Sharma

On April 29th, 2023, IEEE Cal Poly Pomona held a banquet to commemorate the end-of-the-year for the Electrical and Computer Engineering Department. At the banquet, the attendees were served Hawaiian rib-eye steak with mashed potatoes and broccoli and a chocolate cake dessert that followed. Throughout the event, there were two presentations. One given by Prof. David Gonzalez where he talked about his career and gave great life advice on how to become a successful engineer, and the other given by the president/chair of the IEEE Cal Poly Pomona executive board where he reflected on all of the IEEE events that occurs throughout the year and introduced the new executive board for the coming year. The banquet got all of the student attendees motivated for their upcoming finals and ensured members that the next year with IEEE Cal Poly Pomona will be even more successful than the last.



## UPCOMING EVENTS:

- May 09, 2023 **IEEE Foothill May ExCom/OpCom Monthly Meeting**
- May 13, 2023 **IEEE Consultants Network: Consulting Workshop**
- May 05, 2023 **Computer Society: ChatGPT in Healthcare (Boon or Threat)**

"We welcome volunteers!"



If you want to be part of our section, email us at [sec.foothill@ieee.org](mailto:sec.foothill@ieee.org)

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