

IEEE Foothill September Monthly Newsletter

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IEEE Foothill ExCom/OpCom September 2023 Monthly Hybrid Meeting

By: Max Cherubin | Proofread by: Prof. Gerald Herder

The IEEE Foothill Section September 2023 Monthly Hybrid Meeting was held at DeVry University in Ontario and via BlueJeans last September 12, 2023. The meeting started at exactly 7:00 pm, starting with the secretary's report from the previous meeting and was followed by the chairman's remark.

During the meeting, the chair discussed some possible talks for October with Erik Heilman, the IEEE USA Director of Government Relations. The date for the event is tentatively set for October 24th and will be confirmed during next month's meeting. Additionally, the section has secured sponsorship for the SusTech 2024 event, which will take place from April 14th to 17th, 2024, in Portland, Oregon. ClasTech 2023 will be held in the same venue as last year, which is in Eravant, Torrance, CA.

Section and Committee

Currently, we have a total of 918 members, including two new members at the Member Grade and seven students/graduate students. We have not had any senior elevations, and welcome letters have been sent to new members.

We currently have 66 members on LinkedIn and 62 on Facebook for Social Media and Websites. Our LinkedIn group is consistently growing each month as new members keep joining. Sharing our section and chapter events can help us expand our group and attract volunteers. We encourage you to share the link and post about our group on your LinkedIn or Facebook account to spread the word and attract more people to volunteer.

We are pleased to announce that we were awarded a badge and certificate for outstanding recruitment and retention performance in the 2023 IEEE Membership. See the badge on the next pages.



On September 19, 2023, Scott Wedge shared a vTools event about the misconceptions regarding MOS transistors commonly found in textbooks and SPICE. The event is set to be presented by Collin McAndrew, who formerly worked with Motorola and later joined Freescale. When Motorola spun off, XP acquired its fabrication facilities, ICES and Freescale. The talk is co-sponsored by the IEEE Solid-State Circuit Society, although we don't have a chapter specifically for the society. Scott, a member of the society, wanted to share this fascinating topic with those interested in circuit design, particularly those who care about analog characteristics, which are crucial for high-frequency RF microwaves or millimeter waves. It's a big deal! Scott also mentioned ClasTech 2023, which will be held on November 03 at Eravant in Torrance, CA.

Jenny Yu and Chris Lai have just announced that the SETC Workshop will be returning for a fifth season, featuring eight different types of workshops. The project this semester will attract around 500 members, including high-schoolers, members, and non-engineering students from previous sessions. Chris shared some slides of statistics and pictures showcasing the workshop's success. They have scheduled two workshops for Oct. 13th and 27th, with an expected attendance of around 200 students. The organizers are also seeking sponsorship to sustain the workshop series and provide educational opportunities to potential IEEE members.

Dr. Tamer Omar, the chair of ComSoc, recently shared the success of the collaboration between ComSoc and the IEEE Council chapter. Last August, they hosted the IEEE CIT Summer Workshop. Dr. Omar also had a virtual meeting with the officers of the North American chapter, where they discussed the resources available from the council chapter. They expressed their willingness to have a talk, but they requested two chapters/sections to join the event. Dr. Omar is still considering which chapter to have a face-to-face event with, as it's difficult to gather people these days. He also mentioned that the WTS 2024 event will take place on April 14-17 in Portland, Oregon. The call for papers and proposals is now open, so anyone interested in attending can submit their papers and check the website for further updates.

During a recent meeting, Koji Yamashita, the vice-chair of PES, reported on a presentation given by Prof. Alberto Borghetti on September 1, 2023. The presentation covered the topic of Analyzing Energy Community Integration in Distribution Network Operation and was attended by 15 people. Yamashita also discussed potential speakers and topics for upcoming meetings, both in the coming months and next year.

Affinity Group

Kim Mosley said that she is working with the WiE CSUSB Chapter, and they will have a meeting on Saturday to discuss possible talks and events for the student chapter of WiE. So far, the WiE CSUSB Chapter, led by George Georgiou, will hold a meeting to discuss potential talks and events for the student chapter of WiE. Currently, there are no planned activities for the chapter.

On September 6, 2023, the Consultants Network held a meeting where they discussed plans for a joint talk with PES. Milad Izadi will present the talk and will cover Electrical Power Grid Systems. The tentative date for the talk is November 1st, 2023.

Leobardo Hernandez and Michael Nelson from CPP (CalPoly-Pomona) hosted one general meeting and reported to have attracted around 25 members during the first quarter and 35 members during the second quarter. They are currently working on organizing a workshop with SS, where they plan to hold a presentation on Thursday, September 21, 2023. In addition, they are also working on a project that involves teaching construction techniques such as telescopes, Arduino usage and soldering.

Student's Chapter

Daniel Aleksak, the student chair at CalBaptist University (CBU), has announced that an Engineering Club Fair will be held on September 14th. The fair will feature a range of activities, including 3D modeling, soldering, PCB, and building an RC car. Despite being a newly approved club, the Engineering Club has decided to go ahead with its plans, although they do not have any funding from the school. The club has access to an in-house 3D printing lab, which they will be using, but it is not within their budget. They have already created a 3D model and have decided to conduct a PCB workshop next to the actual remote control, where they will purchase different RF Transmitters. Dr. Tamer Omar is proposing to the CBU student chair if they are interested in participating in the RC Cars Competition, which was previously organized by CPP Student Branch. They will be working on this project in October.

DeVry University recently hosted the Beyond Conventional Encryption Event, which was reported by Professor Moe Saouli. The event provided an overview of various encryption techniques, including quantum computing challenges through encryption and zero-knowledge proof. Additionally, the event discussed the zero-trust framework and its implementation, which is scheduled to take place on September 14th.

Cal Baptist University - reported by Kenneth Raymond Lettau



Photo 1: College of Engineering Jump Start



Photo 2: CBU Club Fair 2023

California Baptist University's IEEE Club participated in the College of Engineering Jump Start event on Thursday. The event is designed to give freshman engineering majors an opportunity to explore clubs and activities they may be interested in. IEEE booth had on display the very early prototype for the RC car for the cumulative workshop effort, as well as other past club and personal projects.

IEEE officers Daniel Aleksak, Even Sollie, and Ray Lettau worked the booth for the two-hour event, talking to freshmen and getting them interested in joining the club. There was a plethora of individuals who visited the booth. The event was a great success, and IEEE managed to get about a dozen new members to join the club, and there were even more interested but indecisive.

California Baptist University's IEEE Club participated in the school's Club Fair on Thursday, September 21st. The purpose of this event is for freshmen to have a chance to experience what clubs the school offers and join any they may be interested in. IEEE's booth had on display the very early prototype for the RC car for the cumulative workshop effort, as well as some stickers for interested parties to take. IEEE officers Daniel Aleksak, Even Sollie, and Isabel Ramientos worked the booth for the three-hour event, talking to freshmen about what the IEEE club has in store for the year. There was a plethora of individuals who visited the booth. The event was a great success, and IEEE managed to get about half a dozen new members to sign up for our mailing list, and there were some more who were interested but indecisive."

Last Sept. 18, 2023, our IEEE Foothill Section chair, Max Cherubin, received an email from IEEE congratulating the section for our 2023 IEEE Membership Outstanding Recruitment and Retention Performance credential. This is to all our wonderful and dedicated volunteers for their unending support to the section.



Social Media



[Facebook](#)



[LinkedIn Page](#)

Upcoming Events

IEEE Foothill October
ExCom/OpCom
Monthly Hybrid Meeting

October 10, 2023

IEEE Foothill
Consultants Network Meeting

October 04, 2023

We welcome volunteers and if
you want to become one, you
can email us at
sec.foothill@ieee.org.