



# IEEE FOOTHILL

## Monthly Newsletter

### IEEE ExCom/OpCom December Meeting

Prepared by: Max Cherubin

The IEEE Foothill ExCom/OpCom meeting was held last December 13, 2022, with the chair and other section members at DeVry University in Ontario for a hybrid arrangement. The chair discussed sponsoring MATHCOUNTS, CPP Hyperloop, and the UCR Business School, which wanted to partner with the section for students. The section agreed to support MATHCOUNTS for \$500, while Jeff Grayson volunteered to work on it with the UCR Business School. On Hyperloop, it is still an ongoing discussion about where it would fall under the section for sponsorship.

For Membership Development, we had an increase last month. We had one senior elevation, and that would total 995 members. While for Social Media and Websites, Osman Ceylan could not attend due to health issues.

#### Students Chapter

Among the universities, only the CPP student branch was able to report since most universities started their fall break. The CPP student chapter just celebrated the 75th Anniversary of the Transistor with an event, see report on page 2-3.

#### Technical Committees

MTT/APS will conduct an election with all officers but one returning, and Scott Wedge, the MTT/APS chair, proposed just to appoint that officer among the members in this chapter since no members nominated one.

ComSoc had a joint event last Nov. 10, 2022, and they had a total of 30 to 35 attendees. The "Latest Trends in Software Defined Radio (SDR) Technologies" workshop was sponsored by National Instruments. Dr. Tamer Omar also stated that he was invited to the JCC chapter chairs meeting at GlobeCom in Rio de Janeiro but could not attend. The chair wanted to thank James Liao because he has been a great help to the chapter's improvement. The chapter is in good shape right now because of him.

For PES, the chair was not able to attend, but we are happy to have Tarek Gadd volunteer from PES. He is a power-quality advisor at South California Edison. They specialize in troubleshooting customer-side issues such as harmonics and flickering.

For the Computer Society, the chair has nothing to report, but he was planning to conduct an election for their chapter. They also got a volunteer named Jeff Grayson.

### Inside this:

**IEEE ExCom/OpCom  
December Meeting**  
page 1

**National Instrument  
Workshop**  
page 2

**CPP: 75th-year  
Anniversary of the  
Transistor**  
page 2-3

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## National Instrument Workshop



National Instruments (NI) team conducted a workshop titled "Latest Trends in Software Defined Radio (SDR) Technologies" the world's leading supplier of Software-Defined Radio (SDR) platforms team discussed the latest about deploying 5G using NI SDRs and how to use the Open Radio Access Network (ORAN) stack to deploy a radio unit using NI USRPs, they also presented the future of using AI.ML applications with NI USRPs to collect , analyze and detect different signals. The event was informative and NI experts provided a hand on session with the attendees.

## CPP: 75th-year Anniversary of the Transistor



To celebrate the 75th birthday of the transistor, about thirty IEEE members from the Cal Poly Pomona chapter came together to celebrate in the Ursa Minor suite on campus. This grand location was booked by the group's internal chair of their program committee, Leobardo Hernandez. There, the members took their seats for a wonderful presentation led by the group's treasurer, Mia-Diliberti-Brandenburg, after being served food and drinks by our secretary, Benjamin James, and Women in Engineering representative, Shanti Robinson. Mia discussed the importance and relevancy of the transistor and how it and its uses have

become more advanced over the years from its creation, being a foundation for most of the technology used today. Most materials and information were from IEEE Spectrum. Though many people came to the event to celebrate together one last time before the fall semester ended, the attendees quickly realized how important understanding the significance of the transistor was compared to socializing, especially after the informative and riveting documentary about the history of the transistor played. Most members were attentive and at the edge of their seats throughout the presentation.

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Sparking even more fun at the event, the group's chair, Sameer Sharma, hosted a multiple-choice trivia game based on the history of the transistor after the presentation. Though three of the four answers to each question were rather serious, one of the answers was obviously wrong and silly to keep the members engaged. By doing so, the members got a good laugh, but everyone was still motivated to get the answers correctly, as the first, second, and third places in the game got prizes. Along with the best prize, the first-place winner was additionally awarded a transistor, the true best prize that could be given for such an event. After being served cake and playing the prize game, everyone gathered to take group photo.

Each of the board members did their part in order to make the event successful, especially Francisco Flores, the group's webmaster of their publicity committee, who set up the equipment for the event. Kayla Scarberry, the group's Vice Chair who gave announcements and answered questions for future events, and Abigale Rippe, the groups-'s external chair of their program committee who welcomed and guided the attendees.

## Upcoming Event

### IEEE ExCom/OpCom January Meeting

January 10, 2023

### IEEE Consultants Network Meeting

January 4, 2023

*Ho-ho-ho!  
Did you wish  
to be a  
volunteer?*



If you want to be a volunteer, you can email us at [sec.foothill@ieee.org](mailto:sec.foothill@ieee.org), and if you want to know more about our section, you can visit our webpage, <http://foothill.ieee-bv.org/>.

**Happy New Year!!!**

## Social Media



<https://www.facebook.com/ieeefoothill>

<https://www.linkedin.com/groups/13516173/>



### Message from the chairman:

*"I would like to thank you all for volunteering and doing your best to serve the section.*

*As the new year will come, I hope we will continue to serve and do volunteer works for the IEEE Foothill Section.*

*I also wish you and your family a wonderful and prosperous new year. "*

From: **Max Cherubin**

IEEE Foothill Section Chair