



IEEE Foothill

Monthly Newsletter

<http://foothill.ieee-bv.org/>

October ExCom/Opcom Meeting

Prepared by: [Max Cherubin](#)

The October ExCom/ OpCom was held via BlueJeans on October 12, 2021. The meeting officially started around 07:08 pm with the chairman's remark. The chairman gave an update about the survey regarding the face-to-face/ online forum, and the majority of the members voted to have a face-to-face meeting in January.

Section and Committees

As per Membership Status, the chairman gave us a report on behalf of Kim Mosley. We didn't have senior elevations, and we increased 27, from 933 now up to 960. So far, we are hitting good numbers every month.

Osman Ceylan reported about our Social Media and Website. He finally found someone who could help us with our section email to control our web page, LinkedIn, Facebook, and other social media issues. Our section email will be sec.foothill@ieee.org. Regarding our web statistics, September was the lowest, but when October came, our statistics improved, and it only means more people are checking updates about us. We still encourage the members to be updated on their events on our social media accounts.

Students Chapter

Out of 5 universities, 4 attended the meeting with their representatives and gave updates about their activities and future events for the Students Chapter.

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THIS NEWSLETTER IS BROUGHT TO YOU BY:

Chloe Georgiou Treasurer from UCR reported on their first general meeting last week via Zoom. In terms of workshops, they have a LinkedIn Workshop. They are planning on building workshops Arduino, Micromouse, Soldering and PCB Design.

Jonathan Rosas Industry Rep. from CPP reported they had a Student Internship Panel Event, Career Fair Resume Workshop, Hyperloop Python Programming Workshop. They had an IEEE Day with their guest speaker Scott Wedge. They will have their future events: the Hyperloop Soldering Workshop last October 15th, Keysight Oscilloscope Workshop on October 19th, and a MatLab Workshop Series on November 2nd and 7th.

CBU (Dr. John Butler) had their officers meeting every Thursday, and they had their first general meeting on the first week of October was some study session and discussed their plans for the rest of the semester. They are thinking of doing a soldering workshop and some coding materials.

Prof. Nazila Safavi from DeVry University reported that they had one workshop for 5G, Technical Overview, this semester. They just had one this semester, the LabView, and it was very successful. They are planning for more workshops for the upcoming semester. They just had several meetings about working with some students who seem to register for the forthcoming IEEE Extreme Coding Competition. They had one proposal for the GHTC Humanitarian Poster Competition.

Technical Societies and Committees

MTT/APS had a presentation by Patrick Reynaert from the University of Leuven, RF Semiconductor University in Europe. It was an excellent presentation, and it was sponsored by Solid-State Circuit Society which we don't have as a chapter. The last presentation we had last September by Bodhisatwas was early in the morning, and it was terrific. Their next big meeting is going to be CLASTECH which will be on November 12th. Scott will talk on October 14th, it's going to be a low noise design using impulse sensitivity functions, and it will be our 6th technical talk.

Nanotechnology successfully finished its Student Engineering Team Challenge. They had one first prize, second prize, and two third prizes. In addition, three entries were awarded Technical Excellence recognition, and five were cited for Outstanding Presentation recognition. All of the awardees will receive an embossed IEEE Award Certificate stating their accomplishments.

ComSoc will have a virtual event on October 29th, and it's about Connecting Space Assets to the Internet, Challenges, and Solutions. Their speaker is from the University of Oklahoma. The talk will discuss the kind of various mobility management solutions for extending internet connections to spacecraft. Dr. Tamer Omar gave an update about the CalPoly Pomona 17th Annual CyberSecurity Fair, to be held on October 28th. The CyberSecurity Fair is going to be a perfect opportunity for those that are interested in CyberSecurity. The fair is open for everyone, and it is a virtual affair.

YP had a game night last October 8th, which seven attendees attended, and they will continue having informal events every other week to increase interest. They are going to start recruiting for officer nominations for 2022 this month.

CyberSecurity Fair 2021:

The CyberSecurity Fair 2021 will be held in CalPoly Pomona on October 28, 2022. The fair will be an excellent opportunity for those interested in cybersecurity—to meet and greet in this area. The fair is open for everyone, and it is a virtual affair.

There will also be a poster competition open for full-time undergraduate and graduate students who will present their poster presentation on cybersecurity topics.

IEEE Student Engineering Team Challenge 2021

By: [Jenny Yu](#)

The IEEE Student Engineering team Challenge 2021 (IEEE SETC 2021) was focused on students from socio-economic disadvantaged communities with the goal to stimulate interest in the STEM fields. This challenge was actively looking to include minority children of color. These students were invited to participate, along with a few of their peers, in this poster competition by displaying an original project proposal focused on a few targeted topics.

Students in High School and College considering College majors in science and engineering disciplines were encouraged to try their hand at meeting this team challenge by designing and displaying solutions for or an investigation into a problem area associated with one of the topical boundaries of this year's challenge.

For some of the topical areas startup training and materials were made available. For projects that rise to the top of the challenge, more equipment and support were offered and made available to foster the completion of the proposal. IEEE Student Members were also available to train and assist as well.

Team projects that were inclusive and collaborative showcasing creativity and ingenuity were shared with an audience of academic and industrial technical experts who provided recognition and award prizes in several participant categories.

As of June 30, 2021, there were 27 team submissions received.

As of August 30, 2021, there were 12 final submissions received with the total number of participants reaching 47.

Prizes that were awarded included one First Prize, one Second Prize, two Third prizes. Three entries were awarded Technical Excellence recognition and five were awarded Outstanding Presentation recognition. All of the participants will receive an embossed IEEE Award Certificate stating their accomplishments.

The Joint Foothill/ Orange County Section Nanotechnology Council Chapter organized IEEE SETC 2021. There were 26 Engineers and Academics and Industry Professionals who served on the Organizing Committee and as Judges and as support persons in a number of ways and the IEEE SETC 2021 is extremely grateful for their service.

Planning for additional STEM activities which build on the experiences gained in IEEE SETC 2021 will begin later this year.

WTS 2022: Wireless Telecommunication Symposium

Dr. Tamer Omar had a meeting last month with some of the chairs to identify the rules on how we will go with sponsoring the conference. They decided to go with the sponsorship of \$1500 distributed between the ComSoc Chapter, the section, and the MTT Chapter.

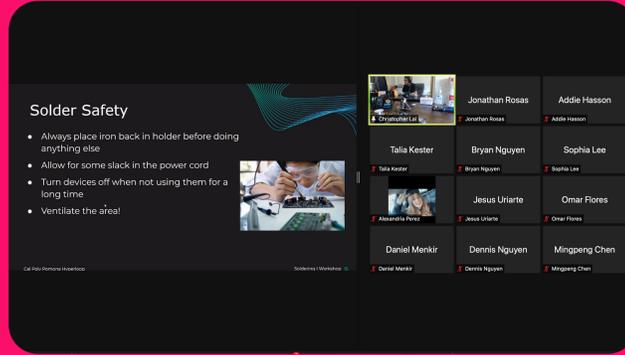
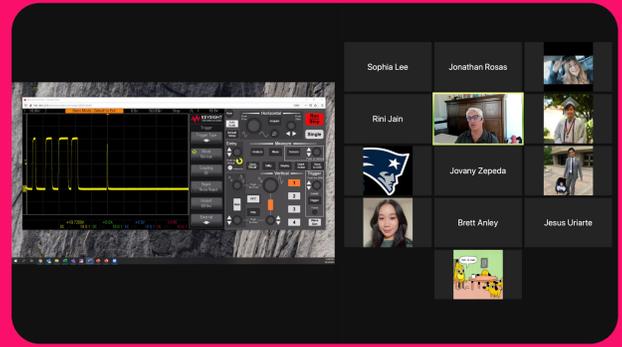
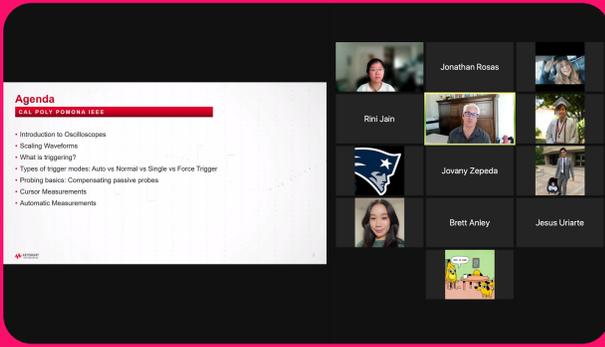
Hopefully, we will have a table; we will use this table for advertising for all the section activities. All of the chapters can provide pamphlets or any advertising materials that we can put on the table. Anyone interested in any chapters or section can come in. Like the other chapters, chairs or officers are interested in improving our membership, and we can also put that on the table.

The theme for the WTS 2022 is going to be global wireless communication theory and practice. They are looking for people who are willing to present or do a presentation, submit research papers, and demonstrate a technical session for submitting documents. January 10, 2022, will be the paper submission deadline, so if you're going to offer to publish review this call for paper through the IEEE notice. IEEE ComSoc sponsors this conference for the documents, and it is going to be published on IEEE Explorer.

We got approval from the conference chair about a 20% discount for Foothill Section members 3-day registration taken from the total registration amount. But anyone who is a member of this section table will be working with Kellogg West, which is the CalPoly Pomona Hotel that will be the hotel for the event.

The WTS 2022 (Wireless Telecommunication Symposium) will be held in CalPoly Pomona on April 6-8, 2022.

Student Chapter: IEEE-CPP



Jonathan Rosas, the secretary of IEEE-CPP Student Chapter had some screenshots of their Keysight Oscilloscope Workshop and Soldering Workshop last October 15th and 19th.

Upcoming Events:

November ExCom/OpCom Meeting

November 9, 2021

Foothill Consultants Network Meeting

November 24, 2021

CyberSecurity Fair

October 28, 2021

ComSoc: Connecting Space Assets to the Internet, Challenges, and Solutions

October 29, 2021

ClasTech Symposium 2021

November 12, 2021

MTT AP/CAS/MTT/ED (ACME) Events:

Foothill AP/CAS/MTT/ED (ACME) Chapters
Recent and Upcoming Events

- October 5th: IEEE Day with Cal Poly Pomona (Scott)
- October 14th: Low Noise Oscillator Design using Impulse Sensitivity Functions (Scott)
- November 12th: CLASTECH (Hawthorne, CA)
- Nov. 29 - Dec. 2: MILCOM (San Diego, CA)
- December 4-10: IEEE APS & URSI International Symposium (Singapore)

CLASTECH is coming on Nov 12. Early registration closes Monday Nov. 8. We will be at the Common Space Brewery. The format will be different this year, but there will be engaging talks, table top exhibits, and food. \$35 early registration, or \$50 onsite. This is a great time to network. See where your colleagues are today.

IEEE International Symposium on Antennas and Propagation and URSI-URSI Radio Science Meeting (APSC/URSI) - Marina del Rey, California

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