



IEEE Foothill

September Monthly Newsletter

Inside This:

IEEE Foothill ExCom/OpCom Monthly Meeting

page 1-2

Dark, Deep and Geopolitical on the Internet

page 2

IEEE Move Community Outreach Mixer

page 3

Upcoming Events

page 3

IEEE Foothill ExCom/OpCom Monthly Meeting

Prepared by Max Cherubin

The IEEE Foothill Section had its September meeting last Tuesday, September 13, 2022. The chair had his opening remarks regarding the success of the IEEE Move Community Outreach Mixer. On behalf of the IEEE Foothill Section, we would like to thank IEEE Move Staff and the CPP staff for making it happen. We are grateful for your support to the section.

Section and Committees

Membership Development update. We have a current total of 939 members, which was up 43 from last month. Five individual members, 36 student graduate, and we don't have any senior elevations. For Website and Social Media, we had 300 visitors on LinkedIn last month. We have eight new members on Facebook. Keep posting on your social media accounts and advertise the section to gain more members and viewers.

Student Chapter

CPP reported that they had their general meeting and planned to host Python and Soldering Tutorials. They also reported about the IEEE Move Community Outreach Program, which was successfully held at the campus last September 10th.

CSUSB had a game night in which 20 students showed up. They are planning on doing a PCB tutorial later this month of September.



*This newsletter is
brought
to you by:*

Technical Chapters

MTT-APS/Ed-CAS, Scott is looking forward to two big events, CLASTECH and the 75th Anniversary of Transistors. John Martens from Anritsu, who talked to our Ap/MTT group previously, will be representing CLASTECH. The location is still in planning sessions because they can't decide if it is going to be virtual, in-person, or hybrid. CalBaptist is one of the locations as an option. Aside from Dr. John Martens, another speaker from the University of Technology is Jasmine Grosinger from Austria. She offered to give an in-person lecture and it will be with Santa Clara and San Diego Section.

Nanotechnology, Dr. Jenny Yu, and Christopher Lai the chair for CPP Hyperloop. They are hoping to continue the collaboration between CPP Robotics. They already had two workshops, and they are going to have one every single week. Their topic includes python analysis, circuit construction, PCB design, artificial intelligence, and computer-aided design, which is 3D modeling. They have 3D printing applications like open CV, computer vision, machine learning PI game, and discord and soldering workshop, which is the biggest one. The other things also are the MatLab workshop, the career development workshop, and the Arduino workshop. The workshops will fall every Friday. There will be two types of workshops, lecture and lab workshops. Dr. Jenny and Chris will send a report regarding their activities.

ComSoc, Dr. Tamer Omar reported that their chapter co-sponsored an event last September 7th about Introduction to Wifi Sensing and the IEEE 802.11 BF Standard. Aside from that, he also invited the section members who have daughters to attend the STEM HackHer event last September 17th. Dr. Tamer Omar is also planning to have a joint in-person event with MTT-APS to recruit and invite more volunteers.

Finally, WiE will have a speaker for their event with Consultant Network, which is Kathleen Kramer. It will be about Cybersecurity in Aerospace Security. They optioned to have an in-person event, but due to the circumstances these days, they just chose to have it virtual.

Dark, Deep, and Geopolitical the Internet

By: Ray Moreno

On June 29th, 2022, the Computer Society held its technical talk on Deep Dark and Geopolitical on the Internet. We were a small group, but all were there to gain some nuggets of knowledge. Our speaker is Dr. Bill Curd. He is an IEEE Computer Society Life Member and also the president of Synesys Group.

At the request of our speaker, we used WebEx, which is supposed to possess greater security. First, he spoke on the Dark Web and Darknet. He compared the internet to an iceberg. We only see the tip of the iceberg, the world wide web (WWW). The rest is on the Darknet. Darknet is a portion of the internet that ordinary search engines cannot access. The information stored there is not public but belongs to corporations, governments, and other private entities. Often it is the encrypted part of the internet and cannot be accessed using common browsers. Parts of the Darknet can be accessed, but it is risky. He showed how to navigate there with some protections, including the use of the Tor browser. This was the first time I heard of the Tor browser.

He also touched on the 2020 election integrity, Ukraine and Certifications. Dr. Curd gives courses in Cybersecurity.

At the end, our speaker gave a pitch for his favorite charity.



IEEE Move Community Outreach Mixer



The IEEE Move Community Outreach Program was successfully held in CPP-Pomona last September 10th. It was hosted by the Foothill Section with the participation of CPP-Pomona. IEEE Move Truck was led by Bill Torre. It is an IEEE-USA mobile emergency relief program committed to assisting victims of natural disasters with short-term communication, infrastructure, computer, and power solutions and all who participated were lucky to have experienced this once in a lifetime event.

Upcoming Events:

- *IEEE Foothill ExCom/OpCom* (Oct. 11, 2022)
- *IEEE Foothill Consultants Network* (Oct. 05, 2022)
- *IEEE Day* (Oct. 04, 2022)



SCAN ME

facebook



SCAN ME

LinkedIn