

IEEE FOOTHILL SECTION

Serving to Enhance the Community

(<http://www.ieee-foothill.org/>)

Monthly Newsletter

Upcoming Events

IEEE-USA Webinar: How to Lead Your Remote Teams More Effectively

June 25, 11 AM - 12 PM
(<https://ieeepusa.org/events/webinar-6-25-20/>)

Foothill CS & MTT-S/APS Joint Virtual TechTalk: High Gigabit Data Links in Modern Computer Design

June 25, 6 PM - 7 PM
(<https://events.vtools.ieee.org/m/230920>)

Virtual DML Talks: Ruonan Han - Chip-Scale Wave-Matter Interactions at RF-to-Light Frequencies: Circuits, Systems and Applications

June 30, Time & Registration Link: TBA
(<https://www.mtt.org/mtt-s-covid-19-update/>)

Foothill Consultants Network Meeting

July 1, 6:30 PM - 8:30 PM
(<https://join.freeconferencecall.com/suttoncash>)

Monthly OpCom Meeting

July 14, 6:30 PM - 9:30 PM
(<https://csusb.zoom.us/j/94885680224>)

Corporate Sponsorships

Panatron, Inc.
(<https://panatron.com/>)

We're looking for more corporate sponsors.

For information, please contact:

Section Chair David E. González

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Section Vice Chair Scott Wedge

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Inland Empire IEEE Foothill Meetings now on Zoom!

by David E. González

We hope all are well and staying at home as much as possible. We also hope you are following social distancing, washing your hands frequently (don't forget the hand lotion), and are practicing all the safety recommendations from our local, state, and federal government agencies.

Because of the impact that the COVID-19 pandemic continues to have on all our lives, we will not be able to have live face-to-face meetings. So, in response to this inconvenience we have started having our meetings online using virtual presence tools like, Google Meet, WebEx, and recently with Zoom where we performed beta testing to try it out.

Our next monthly Operations Committee (OpCom) Meeting, which is still every second Tuesday of the month, will be hosted on the Zoom platform. This way we can have our monthly meetings and practice social distancing. It is our hope that using Zoom will also facilitate our members that live in remote areas or are in Los Angeles county to join the meeting.

We are always looking for volunteers to donate their time, talent, skills, experience, and passion to further enrich our section. I look forward to seeing and hearing from you at our meetings – the fun starts at 6:30 pm.

First Section Budget Meeting on Zoom

With the success of our beta testing back in April 29, 2020, the Section Cabinet decided to use Zoom for our section's annual Executive Committee (ExCom) Budget Meeting on May 2nd, 2020. It was a great success being able to stay connected for over 2 hours and get some work done! General impression from the ExCom – great tool to use for virtual meetings.



Operations Committee Meeting

by William Smit



Operations Committee (OpCom) meeting was held on My 12, 2020 via Zoom with 26 attendees. Meeting started with introductions and review of previous minutes, followed by the Treasurer's report.

Chairman Remarks

SusTech was virtual using Zoom and was a success with over 100 attendees over two and a half days of the conference. IEEE International Microwave Symposium (IMS) is postponed and will be virtual. Global Humanitarian Technology Conference (GHTC) announced Student Poster competition - intended for Seattle but planned to be virtual. Vice Chair, Scott Wedge presented new updated graphic of Section map: 2/3 of members are in the Inland Empire area centered in Riverside, 1/3 are in the traditional "Foothill" zone. Looking at changing our section to the Inland Empire section with the option of combining the name or creating a Foothill sub-section. Officer Training (via Zoom) is still in the works and it will be two tracks: one for Technical Professionals and the other for Student branches. Shooting to do Student Officer Training first so new cabinets can better understand their roles and responsibilities. Motion to try Zoom subscription for a year for our meetings.

Foothill Consultants Network Meeting

by Cash Sutton III

The IEEE Foothill Consultants Network had their monthly meeting through online conference call on May 6, 2020. The Chapter Chair, Cash Sutton, introduced Dr. Dan Beatty, Chair of the Los Angeles Metro Section Consultant Network, who sponsored the LACCN on April 29, 2020. He has been very active with the FHCN committee in his effort to build the MetroSection's program. Dr. Beatty shared his review of SBIR's and STTR's associated with Naval Air Warfare and China Lake. He liked the concept and suggested that he was interested in supporting our program.

Cash also asked Dr. Beatty to share his understanding of the video/conferencing tools available to us since he has been investigating the various technologies for his church. His focus was on capturing the programs for reproduction with a professional rendering so he was interested in YouTube and other hosting services for conferences but agreed that Zoom, Webex, Google meeting, TEAM, Free Conference and others all serve our purpose for regular meetings.

Cash voiced his concern about the meeting turnout since there appeared to be such a great interest in establishing the FHCN. He spoke of the many opportunities available to introduce young and seasoned engineers to areas of interest that they might pursue as a result of meeting a consultant who is practicing in that area. The consultant network is a key component for creating that bridge to unrecognized opportunities.

There was some discussion about students graduating in this gig economy and how important it is to get them to talk about their experience. They have skills that could compliment many of our businesses. Also discussed is that our conference planning needs to begin soon.

Cash identified article available on IEEE.org that addressed some concerns about 5G communication systems. His summary is that the energy level for 5G is well below that of those that affect human tissue and that much of the fear may be associated with the term radiation. He shared a chart of frequencies including radio waves noting that radio devices are monitored by the FCC. Of course, the research continues but we should be aware of the current knowledge and understanding by the experts within our industry.

Sections and Committees

Three Senior Elevations for Membership Development: C.V. Ravishankar, Miguel Angel Pelayo and Dr. Qin Wang. Membership is down, a total of 856, as an effect of the stay at home orders.

Technical Societies and Committees

Computer Society (CS) and Microwave Technique Theory Society (MTT-S/APS) will have a joint TechTalk on June 25th, 2020 via Zoom entitled "Engineering Challenges with High Gigabit Links".

Affinity Groups

Women in Engineering International Leadership Conference was moved to June 2nd, 2020 in virtual series. Consultants Network had their virtual meeting on May 6th hosted by Cash Sutton III (Read article above).

Student Section Updates

Dr. John Butler will reach out to California Baptist University (CBU) student branch to encourage them to attend the next OpCom meeting. California Polytechnic University, Pomona (CPP) had a MatLab tutorial and a game night. California State University, San Bernardino (CSUSB) had a non-IEEE officer training and transition of new cabinet members. They held some online workshops, mostly produced videos and live interaction.