

# IEEE FOOTHILL SECTION

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Monthly Newsletter

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August - September

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## **Foothill Consultant Network Meeting Minutes**

by Cash Sutton III, P.E.

Online conference held on Sept. 2, 2020. Each attendee introduced self and provided a brief technical background.

### **Business Information Research**

- What businesses are in the area that might need services of our membership? Is there a search component of our database that might provide a comprehensive list and identify employees who might be IEEE members?

### **Small Business Innovative Research (SBIR) has moved to the 2nd phase**

- August 6, 2020: Pre-release begins
- August 21, 2020: BAA opens, begin submitting proposals in DSIP
- September 22, 2020: BAA closes, full proposals must be submitted in DSIP no later than 12:00 p.m. ET

We discussed how we might participate especially focusing on areas of experience. Since Dr. Beatty and Dr. Scott have experience, Dr. Freyne suggested that we prepare a "White Paper" as a draft proposal for some topic (possibly a SBIR announced topic) as an exercise to help understand the process involved. Try to identify the technology areas that would be involved; the work areas that need development. Circulate to the other members of FHCN for review and additions to this white paper.

### **New Business Incubator**

Cash Sutton III shared information about a proposed system to produce hydrogen using solar power in conjunction with nanotechnology. He also raised the question about the compatibility of hearing aides with virtual technology. Discussion centered around both topics with concern that most of us are so focused on our specialty that we seldom have the time to investigate developing technologies. Dr. Freyne suggested that our Technical Society Chapter members present briefings on technical activities of relevance and importance at our monthly meetings.

Cash Sutton III also raised concern about the compatibility of hearing aides with virtual technology. Discussion centered around concern that many already include Bluetooth capability but are still unable to meet the need of their users

*cont'd on p.2*

Dr. Freyne suggested reporting the problem to ZOOM on behalf of persons using hearing aids (even with Bluetooth). He also offered to contact IEEE Audio (probably the EMB Society) group for information on status of hearing aids in the virtual meeting world. Kimberly Mosley suggested that a university student competition might be launched with students reviewing the problem and developing solutions that might be implemented by the developers of virtual technology. We are hopeful that Zoom and others might support such competition by providing the winners of the competition a suitable reward as well as funding the cost to implement the solutions.

### Student Liason

We discussed the lack of students and agree that many of us are near the end of our careers. We encourage students to join our meetings to examine opportunities that may be available for them either as a consultant or an employee of a current consultant.

### Old Business

We have agreed to plan a conference in May 2021. We need committee members to assist us with the planning. Please join us!

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## IEEE Foothill Section OpCom Meetings: August and September

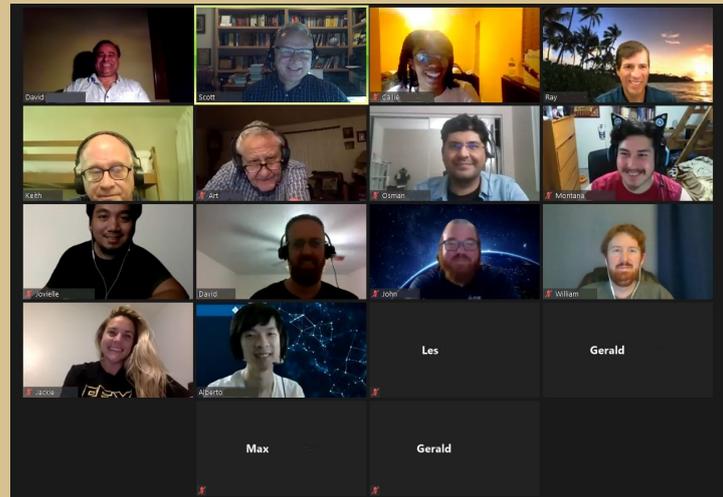
by Scott Wedge

### August OpCom Meeting

The Section Operations Committee (OpCom) meeting for August was held on August 11, 2020, via Zoom. Attending were 22 IEEE members including new student members visiting for the first time.

Section Chair David Gonzalez began the meeting by encouraging all in attendance to participate in the Section Chair's Survey that had been distributed via eNotice. The survey regarded the Section's geography and name, and also sought information regarding member preferences and potential volunteer participation. Mr. Gonzalez also discussed several upcoming IEEE conferences and plans for a Cyber Security Tech Talk to be held in mid-September.

The talk will be co-sponsored by the Foothill Section Computer Society Chapter and the IEEE Southern California Council (ISCC). Treasurer David Smit reported that three of the Section Student Branches received their funding rebates from IEEE headquarters.



Classes for most of the universities will begin later in August, and each student branch is making plans to recruit new members during their "club rush" week, while also planning and scheduling their branch meetings, technical and resume workshops, and IEEE Xtreme hackathon participation.. Also discussed was the growing student membership at Azusa Pacific University, a prospect for a future student branch.

A few MTT members discussed their participation in the virtual International Microwave Symposium, and Dr. Sean Monemi discussed the Power and Energy Society (PES) General Meeting, both held the prior week.

### September OpCom Meeting

The September OpCom meeting was held on September 8, 2020, via Zoom. Attending were 19 IEEE members.

Section Chair David Gonzalez announced that our Young Professionals and Educational Activities members will be teaming up to participate in the STEP CON 2020 conference to be held on October 8th. The Science and Engineering Education Partnership (STEP) was established to bridge the skills gap between K-12 students and high-tech industry needs. STEP CON is their flagship science and technology educational event, normally held at UCR. It will be a virtual event this year, and there is much preparation needed. Additional volunteer participation was encouraged.

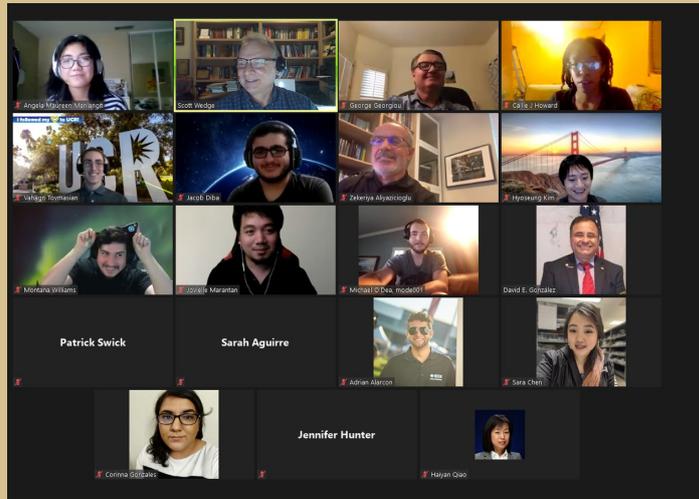
Mr. Gonzalez also reported on the University Chapter Meeting held on August 24th, and the Officer Training event held on September 5th. Twenty-four of our Section volunteers participated in the training session given by Mr. Gora Datta, and many commented on its usefulness.

Kimberly Mosely, Section Membership Development Chair, reported that M. Salman Asif (UCR) had been elevated to IEEE Senior Member status. Congratulations Salman!

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Most of the Section Student Branches reported on their first meetings of the new academic year. The Cal State San Bernardino branch held a workshop on PuTTY, is having a WiE meeting in two days, and is preparing for IEEE Xtreme.

The meeting concluded with Section leadership discussing the ongoing initiative to separate the Section OpCom and ExCom meetings. The plan is that Executive Committee (ExCom) meetings will emphasize finance, budget, and administrative issues, while the OpCom meetings will emphasize Section and Student Branch events, and technical & professional activities.



## IEEE Foothill Events

### August

IEEE-FH Student Branches Meeting with Chair  
Aug. 24, 2020

First IEEE-FH Senior Member (ExCom) Meeting  
Aug. 31, 2020

### September

IEEE-FH Officer Training  
Sept. 5, 2020

First STEP Conference Coordination meeting  
Sept. 9, 2020

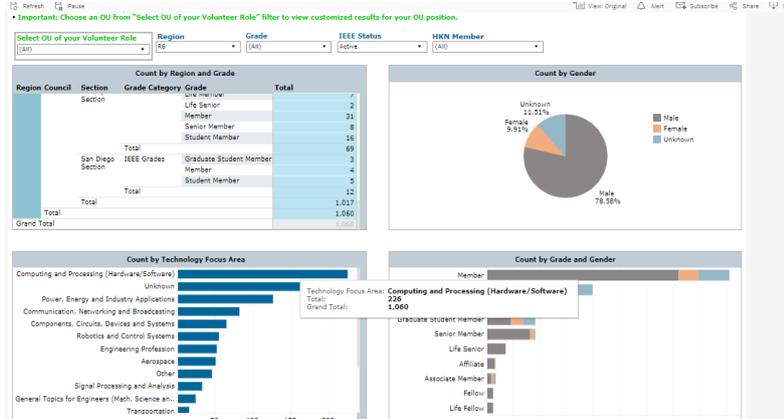
IEEE Sections Congress Recommendation Event -  
Goes to all the sections of IEEE Global.  
Sept. 15, 2020

# IEEE Foothill Membership Development

by Kimberly Mosley

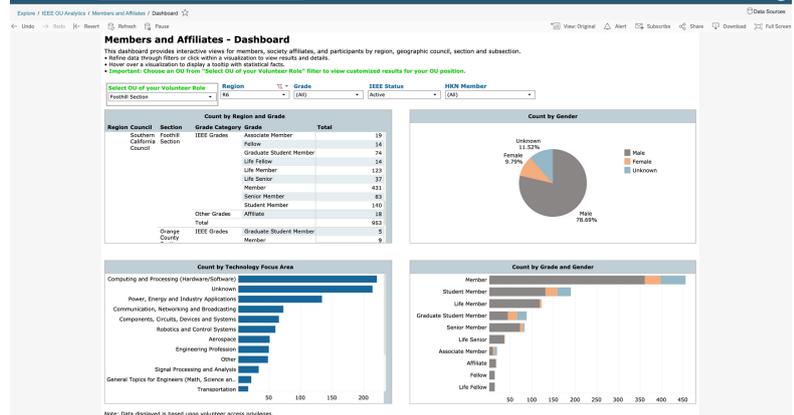
## August Report

No new senior elevations, membership total is 1060 which is an increase of 21 over last month.



## September Report

Total membership 953/1042  
1 senior elevation: Prof. Asif Salman



IEEE Foothill Officer Training  
September 5, 2020