



IEEE Foothill

Monthly Newsletter

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



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January 2022 ExCom/OpCom Meeting

Prepared by: Max Cherubin/ email: m.c.us@ieee.org

The January ExCom/OpCom was held via Bluejeans. The meeting officially started at 7:03 pm with a chairman's remark regarding the election followed by the secretary's report. As the secretary's information related to the election, he mentioned that they had one nominee for each position: the chair, vice-chair, secretary, and treasurer. The election process will be until Feb 7th, and winners will be announced at the next ExCom/OpCom Meeting.

Section and Committees

For Membership Development, our numbers are up to 1023 up over the last 11 months. We didn't have any senior elevations, Kim will send our Welcome letter to the latest group of members later this week.

For Social Media and Websites, in December 2021, we had 412 visitors in total, almost more than a hundred in November. We encouraged everyone to post everything on our social media accounts with their latest activities or happenings because, in that way, we can advertise our page and activities.

Student Chapter

Christopher P. Artates was able to attend the Rising Stars 2022 and get an award for his project/ poster. Christopher was at the same time the vice-president of the CPP Student Branch.



This Newsletter
is made
possible by:

Technical Societies and Committees

Educational Activities reported about their activity in Cali, Colombia. It was a successful event headed by the EA member David Gonzalez. It is an excellent outreach program for those displaced people or families that have been affected by conflicts in and around Cali. David Gonzalez has a better write-up about the outcome of the said program below.

Sherry Buitier and other YP members attended the Rising Stars 2022. Sherry reported they had a pretty good turnout amidst the Covid-19 situation. They had many workshops for attendees. They had an amateur radio session where people could learn about ham radio and then take actual tests at the conference. Sponsors funded the test so you could take the test for free to become licensed and learn about what they do. Many emergency responders use ham radio, which she didn't know was the most exciting thing. Those looking for a job attended resume and networking workshops keynotes on the first day. The second day was the most interesting, in my opinion. We had some keynote topics. Robert Manning, the chief engineer at JPL, talked about the Perseverance rover and all the different steps and techniques that went into that. Melissa Sassi, who works at IBM, spoke about making up her job and developing that position.

IEEE en Nuevo Latir (New Heartbeat)

By: Prof. David Gonzalez

This word *Nuevo Latir*--loosely translated means New Heartbeat. This project is being formed in Cali, Colombia (South America) in coordination with IEEE Colombia Section and the Colombia non-profit organization helps the socioeconomically depressed and displaced venerable population that has been affected by various conflicts in and around the areas of Cali, Colombia, and that now live in squaller. This project was spearheaded by our IEEE Foothill Section past Chair, professor David E. Conzalez.

The K-12 school that this project has already begun to help is located in Cali's socioeconomically depressed shantytowns. Many of these people are settlers from various parts of Colombia and Venezuela. Gang activity, violence, homicides, robbery, food insecurity, and general lack of personal security are daily challenges and real dangers that many children live with daily.



Ten years ago, or so, the Mayor's Office in Cali, in cooperation with the Colombian Ministry of Education (*Ministerio de Educacion*) constructed an Education Oasis in the middle of this socioeconomically depressed desert. You can visit their website -

[HTTP://ienuevolatircali.edu.co/site/](http://ienuevolatircali.edu.co/site/)



Institucion Educativa Nuevo Latir, Agua Blanca District

The organizing team of the IEEE en Nuevo Latir or the Nuevo Latir Team have been working hard this past year to get to this point in this project's development. Professor Gonzalez made a trip in September of 2021 to meet face-to-face with key players and IEEE Colombia Section and IEEE Cali student branch members. It was a fruitful trip and was able to show that professor Gonzalez along with the Chair of IEEE Colombia, are serious about being involved and wanting to

establish our first IEEE en Nuevo Latir Science, Technology, Engineering, Arts, Mathematics, and Soft Skills (STEM) Academy on the Nuevo Latir campuses (there are two).



Prof. Gonzalez meeting with Founder of Fundacion Educando en el Posconflicto and the Director & Sub-Director of Institucion Educativa Nuevo Latir. Cali, Colombia,



Second Cadre (20) of Nuevo Latir 9th Graders & IEEE Student Volunteers. In the background on projector screen is Prof. Gonzalez.

Here is where professor Gonzalez and the help of our IEEE Colombia Section and Student Branches in Cali were able to connect with the Director of this educational institution. The goal is to incorporate engineering and software education to supercharge their burgeoning science and technology department. An MOA (Memorandum of Agreement) between IEEE Colombia Section, Institucion Educativa Nuevo Latir and Fundacion Educado en el Posconflicto is planned to signed by the end of January 2022.

Our Nuevo Latir team organized a hybrid Arduino One-Day Bootcamp for 40 Nuevo Latir ninth-graders. The IEEE Colombia Section procured and paid for ten kits, and the students from two IEEE Student Branches participated in assisting these 9th graders in participating and completing the Arduino Bootcamp. It was a great success, and the science director, sub-director, and Director of Nuevo Latir were quite impressed with what we could accomplish in such a short period of time.

The Nuevo Latir team submitted a funding proposal last month to the Engineering Projects in Community Service (EPIC) in IEEE for \$10,000.00 to start 2022 Phase-1 of this project. In this phase, we will establish a computer lab for middle-schoolers and a night school for adults in the community. We will also be looking for funding from other sources to augment the IEEE funding. If all goes well, we will start our 2023 Phase-2 effort to establish a Maker Space for the students, including 3D printers, LASER etching machines, and basic robotics.

Professor Gonzalez also has plans for Phase-3 or before (depending on outside funding) to create a workshop area for high school students to have a hands-on place to learn about Information Technology (I.T.) with the end goals to prepare these students for the future both for the university and opportunities for the job market. They will be supported financially to take the globally-recognized CompTIA exams-- A+, Network, or Security+certification. The Nuevo Latir team is working to have an operating agreement with Invest Pacific, a local Colombian organization funded by the Mayor's Office of Cali, to search for and encourage foreign investment from foreign high technology companies from Foreign Europe and the U.S. This project will help provide employment and education opportunities to graduating high school students. Only through Education and Opportunities, the vicious cycles of poverty can be broken.



Student Highlight:



This is Christopher P. Artates the President of CPP Student Branch who won an award during the Rising Stars 2022 for his poster/project.

Rising Stars 2022:

These are some of the photos shared to us by Mr. Sherry Buitier from her Rising Stars 2022 experience.



Upcoming Events:

February ExCom/OpCom Meeting

February 8, 2022

Foothill Consultants Network Meeting

January 26, 2022

IEEE Foothill Section Election

February 7, 2022



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