

What's Inside:

IEEE Foothill ExCom/OpCom
October Hybrid Monthly
Meeting



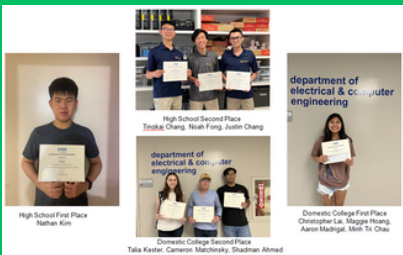
pages 1-2

Student's Chapter Report



pages 3-4

SETC 2023 Winners



page 3-4

Upcoming Events

page 4



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IEEE

Foothill

Monthly Newsletter

IEEE Foothill October 2023 ExCom/OpCom Monthly
Hybrid Meeting

Prepared by: Max Cherubin | Proofread by: Prof. Gerald Herder

In October 2023, the ExCom/OpCom Monthly Hybrid Meeting of IEEE Foothill took place at DeVry University in Ontario via BlueJeans. During the meeting, the chair discussed the section's election for the year 2024. He also mentioned that the Computer Society and YP Chapter still require acting chairs. Professor Tamer Omar volunteered to be the interim chair for the Computer Society, while Pankaj Bhowmik was appointed the new YP Chair.

The section discussed the Mathcounts 2024 sponsorship and Erik Heilman's talk on Oct. 24th with IEEE-USA Government Relations.

Section and Committee

Osman Ceylan has reported that our LinkedIn page is performing well. He reminded the team to regularly post the latest activities and events on our social media pages to promote not only the event but also the section. Osman is also available for those who want to advertise their event on our social media pages.

He also mentioned the Rising Stars 2024 for students who might want to attend in order for them to prepare earlier for that event for funding and sponsorship.

He also shared that on IEEE Day, there will be special offers. There will be 50% off for up to three select courses on the IEEE Learning Network. Save 10% when registering for IEEE Rutgers Online Mini-MBA for Engineers now for the March 2024 Session. You can also save when you register for an upcoming IEEE Leading Technical Teams session. You can grab these opportunities to save up for any registration.

For Membership Development, our membership is increasing. We have 946 members, up to 28 over the last month. We had three new members and 25 student/graduate student members. Our trend has been consistent every fall semester because of the student/graduate members.

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Technical Committees

Scott discussed CLASTECH 2023, which will be in Torrance, California. Some companies like JPL and Maury Microwave will be there. He also shared about Siemens Scattering Parameter Technology, which suits those interested in measuring scattering parameters, especially those extracted from electromagnetic analysis.

Nanotechnology had three workshops related to STEM Challenge 2024 and Hyperloop Workshops last month. The SETC 2024 Competition is now on their website, and the application form can be accessed directly. Dr. Jenny Yu had a meeting with the Alliance of Education. They introduced some of their projects and training programs. Addie from CPP Hyperloop reported that they had a successful workshop this semester. They had 3D modeling, circuit analysis, and PCB design workshops. They had an average of 20-30 participants. College students primarily attended it and had a couple of preschoolers and middle-schoolers. For the safety workshop, they had a total of 32 attendees.

ComSoc had a meeting, and they're still planning for the end of the semester. They are still looking for funding for the student branch, suitable for acquiring parts and for kit expenses in building those remote cars or autonomous cars for their planned competition.

As reported by Koji Yamashita, PES said there will be a two-part webinar, and the first part will be on Oct. 19th regarding European Network Code with a Focus on Inverter-Based Resources: Requirements for Grid-Following Converter with Compliance Process. He also reminded the section to keep watch for the chapter's upcoming events.

Computer Society is in need of a regular chair and vice chair. Dr. Tamer Omar volunteered to be an interim chair for the chapter, and Gerald Herder will work on it. Computer Society is one of the chapters that had the largest number of members.

Affinity Group

WiE chair Kim Mosley is now communicating with the CSUSB-WiE student chapter. She's helping out the branch when it comes to getting funds and getting access to vTools. Scott Wedge volunteered to help the students to have access to vTools.

We are happy to share that the YP Group finally had an active chair, Pankaj Bhowmik, who volunteered to be the YP Chair.

Pankaj Bhowmik graduated with an A.B. Tech. (Electrical Engineering) degree from the National Institute of Technology, Silchar, India, in 2012. He received his M. Sc. and Ph.D. in Electrical Engineering from the University of North Carolina in 2015 and 2019, respectively. He has previously worked for Oak Ridge National Laboratory and QM Power. In April 2023, he joined TAE Power Solutions Inc., where he currently works as a Senior Algorithm Development Engineer for power electronics applications. He has industry and research experience in the fields of power electronics and energy. His work focuses on Power Electronics and Industrial Applications in the field of Grid-Connected Converters for Solar and Energy, Electrical Vehicle Charging Stations, Residential Nano-Grids, and Electric Vehicle Drive Trains. He has several publications in the field of his research and has won a few prize paper awards.



Pankaj Bhowmik
Foothill Section YP Chair
2023-2024

Panjak has been a member of IEEE for several years. He started his IEEE journey as a graduate student member back in 2015. He became a member in 2019. He has served as an IEEE Executive Committee member for the IEEE PES/PELS East Tennessee Section for several years. He then served with the IEEE Young Professionals Charlotte Group as a vice-chair as well as the IEEE Charlotte Section as the secretary. Apart from this, he also takes part in volunteering for IEEE conferences as track chair and vice-chairs. He also attends IEEE Standard COmmittee events in his field of work.

Consultants Network had a meeting last Nov. 04 with their speaker, Mr. Dan Murray, Business Development Manager from Siemens Industry. There were 9 attendees, and for their next meeting on Nov. 1st, they will have a joint presentation with PES. Their speaker will be Milad Izadi. Dr. Milad Izadi is a power systems engineer at Electric Power Engineers, LLC. He is interested in the intersection of data analysis, machine learning, optimization, and simulation in power systems applications. Dr. Izadi initiated the new topic of Synchro-Waveforms (also known as time-synchronized waveform measurements) in 2019. Get to know more about him on their next meeting.

Students Chapter

CPP reported by Rohin Sampuer. They had two different meetings with about 40+ members for each meeting. They also had three workshops on almost four teachings about circuit physics and Phyton, and one was teaching Altium. They had about 20 to 30 members of each workshop. For future plans, they are still in discussion about the RC Car Competition, which will be finalized by December. This month, they will have a guest speaker on Oct. 26, followed by a MatLab Workshop, and Arduino Workshop. One of their project chairs, Ryan Lui, said they completed their circuit construction workshop.

CBU's student chair, Daniel Aleksak, said they had two club fairs: the Fusion 360 Workshops, which was done, and the Advance 3D Workshop. Kenneth Lettau sent us a write-up about their Fusion 360 Workshop.

"On Wednesday, September 27th, California Baptist University's IEEE club held a workshop in collaboration with the school's ASME club. Teddy Powell of ASME guided students from both clubs through the basics of how to use Fusion 360. This week's workshop was designed to allow students to get familiar with the program if they had no prior experience.

This workshop is the beginning of the club working towards building an RC car to compete with Cal Poly Pomona, with further workshops to come that relate to designing and assembling the rest of the vehicle."

— by *Kenneth Raymund Matthew Lettau, CBU Secretary*



CSUSB-WiCSE: LinkedIn and Internship Event Report - *Melissa Castro, CBU Student Branch Vice-Chair*

Our recent LinkedIn and Internship Workshop, hosted by CSUSB WiCSE, drew a group of approximately 15 enthusiastic attendees. The event began with a deep dive into the world of LinkedIn, covering the ins and outs of crafting an impressive profile and showcasing skills effectively. We also emphasized the importance of professional online presence and shared strategies for reaching out, building connections and retaining them.

Networking was a key focus, as we emphasized begin approachable, open, and jhosnet and crafting personalized messages that leave a lasting impression. The workshop underlined the significance of building meaningful connections in expanding one's network.



Karen Bohr, Club President, and Melissa, Vice-Chair

We wanted to emphasize the importance of getting those connections to help your personal and career growth.

Moving on to the most anticipated part of the workshop, we explored strategies for securing internships. Networking emerged as a critical tool for connecting with potential employers and creating opportunities for internships. Attendees gained valuable insights into leveraging their connections to land the internship of their dreams, but more than that, we discussed honing technical skills and initiating projects. Resources like LeetCode, HackerRank, and IEEE and their IEEE Extreme Hackathon were introduced to help attendees improve their skills. We also brainstormed project ideas available on GitHub, providing a starting point for creating impressive portfolios that capture the attention of prospective employers.

In conclusion. the LinkedIn and Internship Workshop was a transformative experience for all involved. Attendees left with a new found understanding of the power of networking, a wealth of resources to enhance their skills, and a clear path to securing their desired internships. The connections made, and project ideas exchanged during the workshop have set the stage for exciting endeavors within our organization.

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CSUSB-WiCSE: LinkedIn and Internship Event Report - *Melissa Castro, CBU Student Branch Vice-Chair*

Our recent Google event, graced by two accomplished Google software engineers, was a remarkable and our most ambitious event to date that attracted approximately 60 attendees. The event focused on providing invaluable insights to students on standing out among applicants and making the most of opportunities with Google. The occasion also served up some delicious food, adding to the festive atmosphere.

The Google engineers dived deep into the intricacies of resume building and formatting, highlighting the significance of crafting a standout resume. Students were guided through the process of creating a resume that effectively presents relevant courses, extracurricular activities, projects, and skills. It was made clear that a well-crafted resume plays a pivotal role in the application process and attendees left the event with practical knowledge on how to create resumes that truly stand out in the competitive tech industry, including Google.



Beyond just resume building, the event focused on discussing the importance of standing out among applications, which includes building technical and soft skills. They spoke of their own personal project interviews and reassured our students about their chances of making it by explaining that their own path to getting into Google was not very linear.

I am most proud of the fact that the engineers commended our school's engaged and exceptional students attending, noting that we stood out with our questions and engagement.

This Google event served as a beacon of knowledge, leaving attendees with a deeper understanding of what it takes to thrive in the tech industry, particularly in the context of securing

positions with competitive tech companies. CSUSB has usually been recognized as a top school; however, this event and the engineer's kind words show that our students are forever dedicated to growing and making a name in the industry. We eagerly anticipate more enlightening opportunities and events in the future and express our gratitude to Google for sharing their expertise with our community.

CSUSB Women in Computer Science and Engineering Opener Event Report - *Melissa Castro*

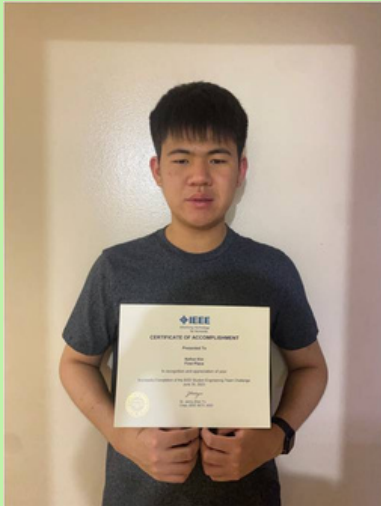
The CSUSB Women in Computer Science and Engineering (WiCSE) recently hosted our first event of the semester, our club opener, which brought together a full classroom of attendees, approximately 30 people, for a time filled with networking, laughing, and exciting plans for the club's future. The event took place at California State University, San Bernardino, and it provided an excellent opportunity for members and newcomers to connect, share ideas, and learn about the organization's upcoming activities and projects.

The event saw an impressive turnout with a full classroom of enthusiastic participants and a huge change from the numbers seen in previous years. Attendees were comprised of diverse groups of individuals from cyber security, computer science, and computer engineering that reflected the inclusivity and welcoming atmosphere that WiCSE is focusing on fostering. We brought a bracelet kit to promote conversation and students sitting close together, and it was a huge success. Throughout the hour, the room buzzed with the sound of lively conversations and laughter.

To bring in more traffic and keep people entertained for the hour, we provided pizza and drinks that IEEE helped provide, and sharing that meal together contributed the event's relaxed and welcoming atmosphere.

The WiCSE officers played a pivotal role in setting the tone for the evening. We set up some nice music, introduced ourselves, and warmly welcomed the attendees to create a friendly and approachable atmosphere. We also outlined the numerous plans, events, and projects that WiCSE intends to undertake in the coming months, including our LinkedIn workshop and Esri tour. This introductory segment stirred up a lot of excitement.

In the end, the WiCSE event was a resounding success, bringing together a passionate and diverse group of individuals. It provided an excellent platform for networking, bonding, and learning about the organization's future plans. The lively interactions among attendees bode well for the organization's mission to empower all CSE students in the fields of computer science and engineering. WiCSE's future endeavors promise to be both exciting and impactful, and the event has a strong foundation for the organization's growth and success.



Nathan Kim
High School First Place



Tingkai Chang, Noah Fong, Justin Chang
High School Second Place



Talía Kester, Cameron Matchinsky, Shadman Ahmed
Domestic College Second Place



Maggie Hoang, Christopher Lai,
Aaron Madrigal, Minh Tri Chau
Domestic College First Place

Upcoming Events:

**IEEE Foothill ExCom/OpCom
November Hybrid Monthly
Meeting**

November 14, 2023

**IEEE Foothill Consultants
Network Meeting**
November 01, 2023

CLASTECH 2023
November 03, 2023

Social Media



[IEEE Foothill Facebook Page](#)



[IEEE Foothill LinkedIn Page](#)

We welcome volunteers, and if you
want to be part of our growing section,
please don't hesitate to reach us at
sec.foothill@ieee.org.

