



## IEEE Foothill February ExCom/OpCom Meeting

*Prepared by: Max Cherubin \ Proofread by: Prof. Gerald Herder*

IEEE Foothill Section's ExCom/OpCom hybrid meeting last Feb. 14, 2023, at DeVry University in Ontario. The meeting started at precisely 07:07 pm, with the chairman's remarks followed by the secretary's report. Our secretary Prof. Herder shared the election results. The officers remained the same from last year, and the total number of voters was not as much as last year's election. Prof. Herder also shared his experience during the IEEE Region 6 OpCom Meeting held in San Francisco. *(see page 2 for the write-up)*

We also had Kevin Wood, the MATHCOUNTS coordinator, who shared the successful turnout of MATHCOUNTS *(see page 4 for the write-up)*

The chair reminded the section of how important it is to file reports and events in vTools and Notice.

### Membership Development

Kim Mosley couldn't attend the meeting, but the chair reported on its behalf. For membership status, we have 1026 members, up 22 from last year: 18 students, four-member grade, and no senior elevations.

### Social Media and Websites

Osman Ceylan we got a total of 62 members on LinkedIn and Facebook we got a total of 59 members all for the month of January. Osman also presented different designs of background for our website and the section voted on what will be the new design for our website. Reminding again all the members to post their events to our pages or you may contact our vice-chair Osman Ceylan for assistance.

### Student Chapters

Carson Weeks, the student president from CSUSB. He shared that they have a new project coming where they can turn the water bottles into a 3D filament, and they are going to start a recycling program on campus.

DeVry University just had their workshop about Network Traffic Analysis using Wireshark last Jan. 27, 2023.

Seth Gil from CBU reported that they would have a game night and discussed the transistor anniversary. He also sent an email to Scott Wedge regarding that.

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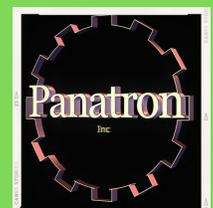
### DeVry University: *Network Traffic Analysis using Wireshark Workshop*

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### Upcoming Events

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## Technical Societies and Committees

Jenny Yu and Christopher Yu gave us a report regarding the SETC and the Hyperloop student group. This semester they will have 12 workshops and 2 of which were already completed. The workshop is scheduled for every Friday of the week, and it will run until April.

Communication Society, Prof. Dr. Tamer Omar reported. They had an event last month about, and it is about AI for 5G-Advanced Towards 6G, and they had a total of 58 attendees. He also talked about a conference in Boston around April. He is working on it, and if it is finalized, he will send out an eNotice to that.

Computer Society, Ray Moreno welcomed Jeff Grayson to the chapter and he is also an officer. He also attended the meeting Passwords--Take the Red Pill which was attended by 16 people. He also discussed Quantum Week which will be on September 17-22, 2023, and will be held in Bellevue, Washington, USA. If the section will sponsor the Quantum Week they will receive a discount upon registering.

Educational Activities, Osman Ceylan shared about the IEEE Education Week which will be on April 2-8, 2023. If you want to know more about it you can visit their website <https://educationweek.ieee.org/>.

## IEEE REGION 6 ANNUAL OPCOM MEETING:

*By: Gerald Herder*

The annual Region 6 OpCom meeting was held in San Francisco on February 3-5, 2023. This meeting is a primary annual meeting for the Region which includes 5 areas and 35 sections.

- Friday Feb 3rd Meeting start at 1 pm.

The meeting was opened by Region Director Kathy Hayashi who made a short presentation about the schedule and asked everyone to answer the question: Why are you an IEEE member?

A series of reports were made regarding past and upcoming events.

1. R6 milestone s Coordinator Brian Berg, noted in the past two year IEEE milestones were dedicated for a) LIGO Gravitational Wave Antenna and b) AlohaNet. Upcoming milestones: March 2023, Development of Computer Graphics and Visualization Techniques. 1965-1978 at the University of Utah. Many more in various stages of development.

2. Amber Orr, Careers & Professional Development Chair; Social Media presented on current social media practices: Key points engage regularly, video shorts, educational and How To are most viewed especially by younger audiences.

3. Sarge Benson, Treasurer, Region finances reviewed. Region funding for MOVE Vehicle was presented, voted on and approval. Summary: Finances are in good shape and the Region did pass a recent audit.

4. Area Chairs presented on Area meetings, content, objectives.

5. Introduction of all attendees.

- Saturday, February 4th

1. Official Director handoff: Tim Lee to Kathy Hayashi. 2020-2022 Director's retrospective. Past Director Tim Lee presented on the notable events from the years. Summary IEEE can adapt to the changing times,
2. 2023 IEEE President-elect, Tom Coughlin from the region made brief remarks on his goals and objectives.
3. Jill Gostin, MGA Vice President: MGA Initiatives, goals, objectives, priority projects. Special note about upcoming Sections Congress August 2023 Ottawa, Canada.



*Region 6 Director Kathy Hayashi*

*especially by younger audiences.*

4. Russ Harrison, IEEE-USA Rep gave an extensive report on IEEE and US Governmental interaction including: the CHIPS, Act, Open Access publication issues, how to bring together pieces of the economy to work together to facilitate innovation: 1st IEEE Cruise, 16-2 Oct 2023, other activities to increase public visibility & other innovations.

5. Panel discussion Tim, Tom, Jill, Russ answered questions about their presentations and added additional thoughts.

6. Awards Luncheon



Photo: Awards Presentation: Saturdays Luncheon included Awards, Alberto Tam Yong current Orange County Chair and previous Foothill Section Vice-Chair was recognized.



Photo of some R6 Meeting Presenters: left to right Kathy Hayashi, Ed Perkins, Tom Coughlin, Tim Lee, Mike Andrews.

7. Amber Orr: Sections Congress 2023 Ottawa Canada; Enabling Leaders to Build a Sustainable Future: - Action Items; Section: Identify Section Representatives; Area: Identify Issue to Submit to SC.

8. Kathleen Kramer: Diversity, Equity & Inclusion Report

9. Scott Tamashiro: Upcoming Region Conferences: Sustech 2023, Portland Oregon 19-22 April, IEEE GHTC Oct. 12-15, 2023, Villanova Univ. Philadelphia, PA, IEEE Rising Stars 2023 Review, 2024 expectations (Jan. 5-7)

10. Tim Lee: Introducing the MOVE West Initiative: Partnership with Red Cross, provide Power & Internet Infrastructure. Future expansion is being looked at by other Regions and Areas. Need more volunteers to deploy on the west coast, funding, e.g., Giving Tuesday.

11. MOVE Truck tour and Breakout meetings

- Sunday Feb 5th

1. Final Budget review, vote and approval

2. Chris Gunning: OU Analytics and vTools updates and issues Q&A

3. Various updates on outreach and Affinity Groups, WIE, SpaX, Life Members



Photo of R6 MOVE Truck left to right Tom Coughlin, Kathy Hayashi, Kathleen Kramer, Tim Lee.

Note: The Foothill Section hosted a visit of the MOVE Truck at Cal Poly last September 2012.



Group Photo: Saturday Luncheon included Orange bandana/ buff imprinted with R6 information was provided to all attendees.

# MATHCOUNTS

By : Kevin Wood

MATHCOUNTS is a nationwide math coaching and competition program for middle school students. It started in 1984 with the first E. San Gabriel Valley competition in 1987. The local competitions take place in Feb, state competitions in March and national competitions in April. Competition consists of written, individual and team rounds and an oral round, which is unofficial at the local and state levels but official at the national level.

## School Stats:

- 19 schools, 123 students, 41% girls
- The top 25% of students and 40% of schools are posted at the California MATHCOUNTS website at the <https://cspeef.org/competitions/east-san-gabriel/>

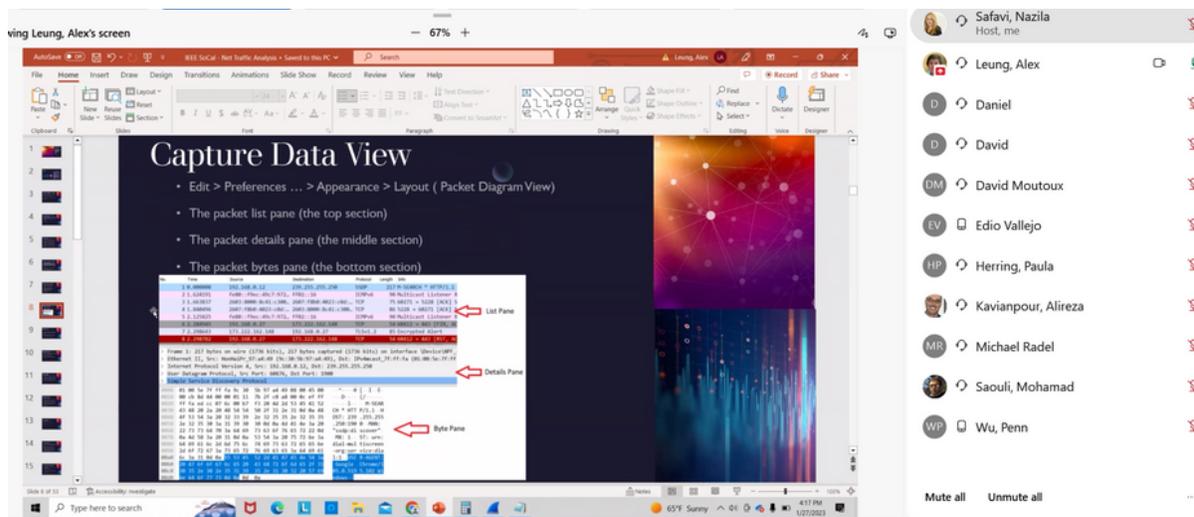
## Volunteers:

- 34 volunteers from SCE, IEEE, Cal Poly, Northrup Grumman, Cal Tech, Huntington Library, Zillow, Maury Microwave, AMA Group, Boeing
- From Cal Poly IEEE Student Section: Akanksha Katta, Anthony Bandak, Bryan Shum, Ryan Dang
- Other IEEE members participants: Art Sutton, Osman Ceylan, Frank Jamison, Al Worland and Cetin Dik.

Expenses: \$2,600; Facility \$1,100. Trophies & Awards \$800, Food for Volunteers \$450, Supplies/ Copies/ Postage \$250.



Last January 27, 2023, DeVry University had a workshop about Network Traffic Analysis using Wireshark, and Prof. Alex Leung presented it. Twelve people attended it. Prof. Alex Leung went through the theoretical concepts and usage of the tools. Then he gave the workshop exciting questions and answers, followed by shared files in the demo and the session. The event was very engaging, and everyone claimed they learned a lot.



## Abstract:

Network Traffic Analysis (NTA) intercepts, records, and analyzes network traffic communication patterns. NTA helps to identify malicious and benign network traffic and lets us better understand potential security breaches.

Wireshark is one of the effective NTA tools to make extracting data harder for the trackers. It helps companies detect cyber threats with a higher degree of certainty, so they can eliminate security threats more quickly.

The workshop focused on how to use Wireshark from Windows OS computer for network traffic analysis., and explored the basic feature of Wireshark. Trace files for popular network traffic such as DNS, HTTP, FTP, Telnet, etc.

## Upcoming Events:

- 📌 **IEEE Foothill April ExCom/OpCom Meeting**  
(April 11, 2023)
- 📌 **IEEE Foothill Consultants Network Meeting**  
(April 05, 2023)
- 📌 **IEEE Education Week**  
(April 2-8, 2023)
- 📌 **IEEE SusTech 2023**  
(April 19-22, 2023)

A graphic designed to look like a spiral-bound notebook. At the top, it says "Social Media:" in a green box. Below that is a Facebook search link: <https://www.facebook.com/search/top?q=ieee%20foothill%20section>. In the center are the Facebook and LinkedIn logos with arrows pointing to them. At the bottom is a LinkedIn group link: <https://www.linkedin.com/groups/13516173/>. There are also some decorative heart and arrow icons.

A graphic with a light orange background and a white heart in the top right corner. It contains the text: "We welcome volunteers and if you're interested you can email us at sec.foothill@ieee.org." Below the text is an illustration of a diverse group of people holding a sign that says "Welcome!".