



# IEEE Region 3



<https://r3.ieee.org/>

Volume 39 – No. 2 Spring / Summer 2024

## A New Year Brings Opportunities and Challenges

Dear IEEE Region 3 Colleagues,

Since our newsletter at the beginning of this year, we have been busy in many fronts. In February, the activities included participation in IEEE Board Series which was held in Orlando, FL. The meetings were very productive, with the final day that included a brainstorming strategy with all the participant. During the Board Series, Orlando and FWCS sections provided speakers that were included as part of the Technical Activity Board’s (TAB) Tech Series event. During the Board Series, I was also selected to serve as Secretary for the IEEE Audit Committee.

In February, I also had a chance to participate with other Region Directors in Region 8’s Operational Committee (OpCom) meeting held in Vienna, Austria. Participation in the event was incidental to a meeting that I had to participate in London for work, enabling me to combine the two events into one trip. Region 8’s OpCom turned to provide a great insight into challenges that other Regions face, particularly Regions 8, 9, & 10 as they serve large geographical areas with many countries, with differing languages, cultures, and customs.

Of course, in March we held our successful SoutheastCon 2024 in Atlanta. The event was great and it was a positive indication that we have overcome lack of participation during the height of the COVID pandemic. I sincerely like to thank SoutheastCon 2024 organizing committee for their hard work in making this event memorable. It was a delight to see so many of you face-to-face, and couldn’t be happier about the number of students who joined us for the various competitions.



*Eric Grigorian,  
Director, Region 3*



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Participation by the Student Branches far exceeded expectations in all of the categories, and even though we did not get a chance to see participation by Region 9 & Region 10, we did have registration by branches from Mexico and Saudi Arabia for the Open Robotics competition. I would also like to thank all Region 3 Committee members and IEEE Staff that assisted with pulling together the presentations for many of the committee meetings. Special thanks to Nelson Lourenco, R3 ARC Chair, and Bailey Heyman, R3 SAC Chair, for their effortless support for a great Awards Banquet. With the interest shown by VIPs from Region 2, 4, 6, 8, & 10 that were present at SoutheastCon, maybe we will be able to host a global competition in the near future!



Unfortunately, during the month of April, we lost one of our own to Region 6. Our Past Director, Theresa Brunasso and her husband Brian, made their move out to West Coast. Even though she has left our Region, she is still part of our activities and we look forward to her support. We would like to congratulate them on their new venture and wish them good luck as they spent their retirement near family.

The 2024 IEEE Vision, Innovation, and Challenges Summit (IEEE VIC Summit) & Honors Ceremony was also held recently on May 3<sup>rd</sup> in Boston, MA. This was a great event honoring the great visionaries and innovators. Details on award recipients can be found at [corporate-awards.ieee.org/recipients](https://corporate-awards.ieee.org/recipients). Region 3 was well represented this year at the Gala, but one item that we need to work on as a region is to identify and submit the technology greats that are among us in Region 3. Please identify and nominate individuals within our Region that would be worthy of this great recognition.



In the coming months, I will be participating in IEEE Audit Committee, Region 1 & 2's OpCom, 2024 IEEE-USA's IWRC Dakotas – Sioux Falls, SD, followed by IEEE's June Board Series.

I wish you all the very best of the Spring and thank you for all your efforts in supporting IEEE.

Regards,

Eric Grigorian  
IEEE R3 Director

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## Past Director Report

Theresa Brunasso [[theresa.brunasso@ieee.org](mailto:theresa.brunasso@ieee.org)]  
IEEE R3 Past Director

As Summer approaches, I hope you are healthy and enjoying the warmer weather. I want to thank the Atlanta team, led by Alessio Medda, for a very successful SoutheastCon 2024. It was a delight to see so many of you face-to-face again, and we couldn't be happier about the number of students who joined us for the various competitions. I know that the SoutheastCon 2025 team is hard at work preparing for next year's meeting in Charlotte. I hope to see you there. As I write this, I'm on my way to the [VIC Summit](#) which will be held in Boston.



I, like many of you, traveled to see the solar eclipse earlier this month. My husband and I were in Indianapolis with Wyman Williams and his family. I was very happy to see that the [MOVE truck](#) was in Arkansas during the eclipse to spread the word about the good work that MOVE does.

I've been working with Director Grigorian, and Jill Gostin to fill the last few open positions on our Executive committee. Let me know if you're interested in volunteering. [IEEE MGA committee positions](#) nominations are open, and I encourage you to consider nominating yourself or others. It's a great way to learn more about IEEE. In addition, the N&A Committee will start reviewing the nominations for the 2026-2027 Director-Elect.

In my work on the MGA Geographic Unit Operations Support (GUOS) and the vTools Committees are working on making tools more effective (easier to use, and more powerful) for Section and Region volunteers. Let me know if you're interested in helping with that effort.

Some of you know that I planned to move back to California. That move is now complete, and I am in Region 6. However, Region 3 has my support as long as they want it.

Thanks for all you do for IEEE.

## Life Member Affinity Group Activity Report

Columbia Section Life Member Affinity Group (LMAG) members contributed to a IEEE Milestone Achievement

In 2018, Chair of the R3 IEEE Columbia section and IEEE Life Senior Member, Stevo Bozinovski, met with the Chair of the IEEE Macedonia Section from Region 8, Pero Latkovski, and decided to nominate as an IEEE Milestone an achievement which took place in Macedonia in 1988. It was the pioneering achievement of the first control of a robot using signals emanating from a human brain. The nomination was submitted to the IEEE History Committee by the IEEE Republic of Macedonia Section in 2018.

Other members from IEEE Columbia section also helped this nomination. Dr. Liljana

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Bozinovska was a coauthor of the achievement, and helped with nomination preparation. Dr. Allison Marsh was an advocate of the proposal and participated at the IEEE History Committee meetings. The IEEE Columbia Section had a meeting, a technical session, related to the technical aspects of the achievement.

In 2023 the achievement was recognized by the IEEE History Committee as an IEEE Milestone, and approved by the IEEE Board of Directors. It was the first IEEE Milestone designated to an achievement in the brain-computer interface. The Columbia section LMAG members Stevo Bozinovski and Jakob Kulangara discussed the upcoming IEEE Milestone dedication ceremony, and Kulangara gave to Bozinovski the email address of the IEEE President, Dr Saifur Rahman. Bozinovski sent an invitation and Dr. Rahman accepted to be present at the Milestone dedication ceremony and unveiled the Milestone plaque. Kulangara was also invited to attend but he was not able to. The ceremony was described in the LMAG Newsletter, issue December 2023.

The IEEE Milestone had several technical pioneering features, and we will just mention that it established a connection between the previously distant areas of research, robotics and EEG signals, and was significantly ahead of time; the second control of a robot using brain signals took place at Duke University, in USA, 11 years later, in 1999.

We would conclude that the IEEE Columbia section LMAG along with the Columbia section, invested an activity toward recognition of an important IEEE Milestone which turned out to be an successful endeavor.

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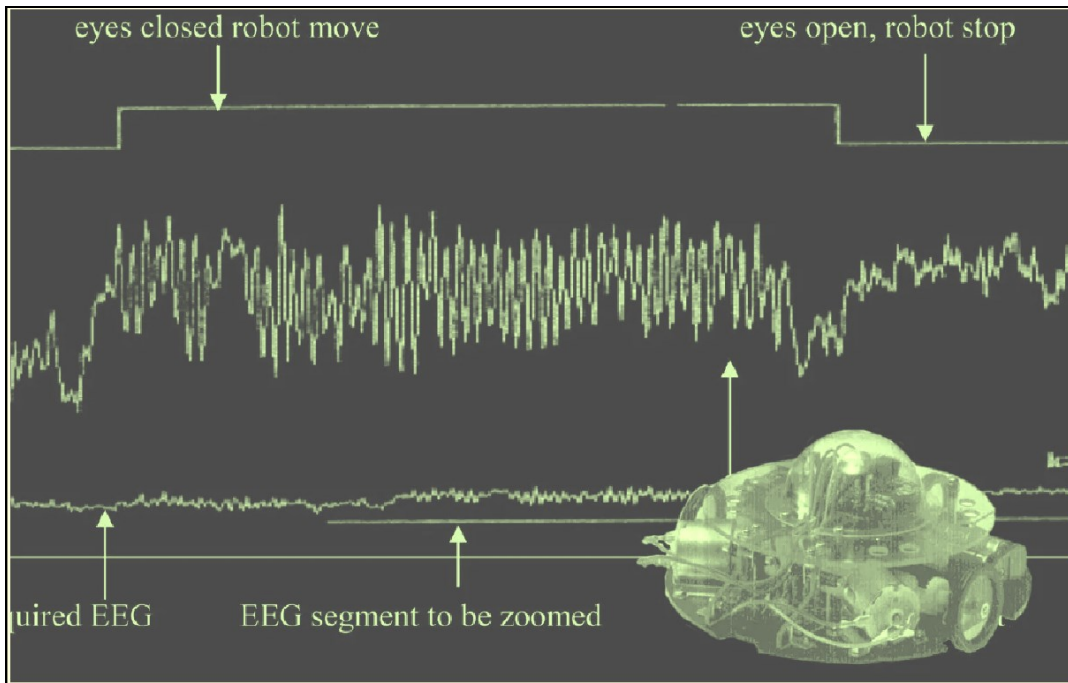


Figure: Brain-computer interface of the worldwide first control of a robot using EEG signal, 1988. The robot (down right) was the Elehobby Line Tracer II purchased at Akihabara Market in Tokyo, Japan. EEG signal was collected (bottom), and alpha rhythm was observed by a machine learning and pattern recognition software. The software recognized alpha rhythm in the EEG and sent a rectangular signal (Schmitt trigger response) to the robot to move (top of the Figure). If recognized signal was not an alpha rhythm the software stopped the robot. A human subject generated increased alpha rhythm in the brain by closing the eyes and entering the relaxation state of the brain.

## *Innovating the Future: Highlights from Region 3 Young Professionals Summit at SoutheastCon 2024*

Hasantha Malavipathirana [[hasantha@ieee.org](mailto:hasantha@ieee.org)]  
IEEE Region 3 YP MARCOM Team

The IEEE Region 3 Young Professionals event held at Southeastcon on March 22 and 23 was a resounding success, bringing together bright minds and seasoned leaders to discuss the integration and engagement of Young Professionals (YPs) within IEEE. Over the two-day event, a series of presentations and discussions unfolded, offering insights and inspiring action among our members.

### Day One Highlights

The event kicked off with a compelling presentation by the R3 YP coordinator Binesh Kumar titled "Getting YPs Engaged." Binesh highlighted innovative strategies to increase active participation among young professionals in IEEE activities, emphasizing the importance of mentorship, networking, and professional development opportunities.

Following the presentation, a dynamic YP Panel featured esteemed IEEE leaders including Eric Grigorian, Theresa Brunasso, Mary Ellen Randall, and Binesh Kumar. Moderators Sunny Bellary and Haruna Ganna led an engaging discussion that explored various facets of leadership within IEEE, challenges faced by young professionals, and the potential for future growth and involvement.



### Day Two Insights

Day two commenced with a YP leaders and volunteers roundtable, providing a platform for open dialogue and sharing best practices. This session allowed participants to voice their experiences, seek advice, and collaborate on potential initiatives to enhance the YP experience within the region.

The event culminated with a presentation to the Region 3 Executive Committee by the global YP chair Hasala Darmawardhena and R3 YP coordinator Binesh Kumar. Their presentation not only reflected on the discussions and feedback from the previous

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sessions but also set forth actionable plans aimed at integrating young professionals into key roles within IEEE.



## Looking Forward: Strategic Focus and Calls to Action

As we continue to build on the momentum of our recent Young Professionals event, IEEE Region 3 YP is dedicated to three strategic focus areas aimed at enriching our community and maximizing the contributions of our young members:

### Strategic Focus Areas

1. **Increase Young Professional Engagement:** We are committed to boosting involvement from young professionals in our activities, ensuring they have ample opportunities to contribute, learn, and grow within IEEE.
2. **Increase Visibility of Young Professionals within IEEE:** Enhancing the visibility of our young professionals is crucial. By showcasing their achievements and potential, we aim to highlight the critical role they play in IEEE.
3. **Enable Students to Young Professional Transition:** A smooth transition from student to professional status is essential for retaining talent and maintaining continuity within IEEE. We are focused on providing support and resources to make this transition as seamless as possible.

### Calls to Action

We are excited to announce several initiatives to support these focus areas and invite all members of our community to get involved:

- ◆ **Revitalize Young Professionals Affinity Groups:** If you are interested in reinvigorating the YP Affinity Groups in your section, please reach out. These groups are vital for networking and professional development.
- ◆ **Collaborate on Events:** We encourage collaboration between Young Professionals and other IEEE members for organizing events. This is a great way to enhance engagement and share diverse perspectives.
- ◆ **Engage Student Branches with Young Professionals:** There is immense value in connecting our student branches with Young Professionals. This engagement can provide mentorship opportunities and ease the transition for students moving into professional roles.

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## Getting Involved

For those interested in taking a proactive role in any of these areas, please contact Binesh Kumar at [binesh.kumar@ieee.org](mailto:binesh.kumar@ieee.org). Whether it's revitalizing an affinity group, collaborating on an event, or engaging student branches, your involvement is crucial to our success.

## Upcoming Events

We are thrilled to announce an upcoming collaboration event with the Singapore YP Affinity Group. Titled "Blueprint for Success: Professional Growth Strategies for Emerging Talents," this event aims to equip young professionals with the tools and insights needed to navigate their career paths successfully. Participants will have the chance to learn from experienced leaders and gain practical strategies that emphasize professional development and success in the global marketplace. Stay tuned for more details on how you can participate in this transformative event, designed to shape the next generation of engineering leaders.

Together, we can make a significant impact and ensure a vibrant future for our Young Professionals in Region 3. Join us in this exciting journey to shape the future of IEEE!

Follow us on social media

LinkedIn: <https://www.linkedin.com/company/ieee-r3-young-professionals/>

Facebook: <https://www.facebook.com/ieeer3yp?mibextid=ZbWKwL>

Website: <https://r3.ieee.org/>

-Hasantha Malavipathirana-  
IEEE Region 3 YP MARCOM Team

**Virtual Event**

**IEEE REGION 3 - SINGAPORE YP CONNECT 2024**

**Blueprint for Success – Professional Growth Strategies for Emerging Talents**

More Details...  
*Coming Soon!...*

Event Date:  
**Saturday - 1st June, 2024**

Time:  
**08:00 - 10:00 AM EDT  
08:00 - 10:00 PM SGT**

For Queries **CONTACT US**

USA R3 - [Binesh.kumar@ieee.org](mailto:Binesh.kumar@ieee.org)  
SG R10 - [Kenneth.cheong@ieee.org](mailto:Kenneth.cheong@ieee.org)

### Upcoming IEEE Award Events and Deadlines:

- **IEEE Corporate Awards:** Recognitions and Medals (15 June 2024)  
<http://www.ieee.org/about/awards/index.html>
- **Standards Association Board Awards:** nomination (31 July 2024)  
<https://standards.ieee.org/about/awards/>
- **IEEE-USA Awards:** (15 September 2024)  
<https://ieeeyusa.org/volunteers/awards-recognition/>
- **Member and Geographic Activities (MGA) Awards:** various deadlines (15 October 2024)  
<https://mga.ieee.org/awards>
- **2025 Region 3 Awards (December 1):**  
OpenWater URL coming in August-September 2024

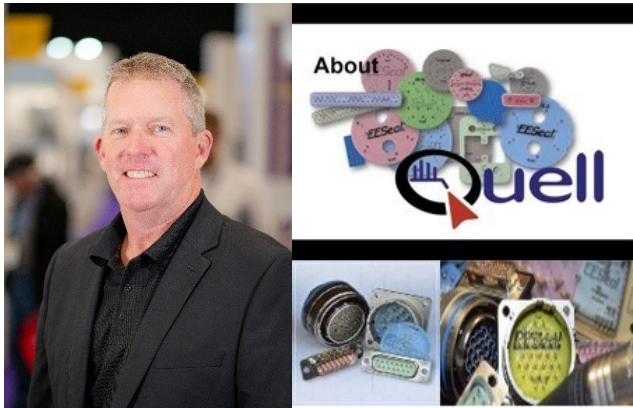
*IEEE Melbourne Section*  
*Quell / Powell Product Presentation*  
Raul Ortega [[rortega@nuvosource.com](mailto:rortega@nuvosource.com)]

As a communications and product introduction service, the Melbourne Section will be hosting interested manufacturers at section meetings to present and discuss their company and products.

On April 16th, the Quell Company addressed the section and discussed their EESeal EMI Filters and how they work and offer many advantages. Scott Lindberg, Quell President and Proactive Intergalactic Supreme Sales Commander, discussed their production capabilities and the features and advantages of the filter inserts.

Joining Scott, were Greg Triolo and Dennis Clouser, Field Applications Specialists, who were also participants in the presentation and all three were available for questions and further discussions during dinner, which Quell hosted and well after the presentation.

Special thanks to the Quell and Powell Companies for their time, dinner and great presentations and discussions!





## *MOVE Disaster Relief and Outreach Support* Grayson Randall [[grandall@ieee.org](mailto:grandall@ieee.org)]

- ◆ MOVE-Puerto Rico continues to prepare for disaster by practicing with their modular equipment
- ◆ MOVE -India is continuing to develop STEM programs and procuring a vehicle for country use.
- ◆ IEEE-USA MOVE is starting out a busy year for the MOVE team. A third MOVE vehicle is coming soon to San Diego and will be designated MOVE-3. MOVE-1 has been relocated to Dallas and MOVE-2 will continue to reside in Raleigh. The weather team has been following the weather channels and we are expecting a very active hurricane season, which normally starts in June. The trucks in these locations will help position us to better support the needs.
- ◆ On MOVE-1s journey to Dallas, the team stopped at Oklahoma city OK, Springdale AK, Russellville AK, Dallas and Austin, meeting sections, universities and conferences. See their journey on MOVE facebook at <https://www.facebook.com/ieeeusamove/>

### Call for Volunteers

The IEEE MOVE program is looking for qualified volunteers who not only have a deep passion for humanitarian work but also the expertise, wisdom and time to commit in support of our program. As we are in an expansion phase of this IEEE-wide initiative, we are primarily seeking candidates for leadership positions of our important committees. We are looking to engage people to form and head working groups tasked to pursue the wide variety of the MOVE International global goals.



We'd love to learn about your passions, skills, interests, and volunteer time to explore how we can work together to find a good fit for you in our program.

If interested, please visit [MOVE-USA SIGNUP](#) to complete our MOVE volunteer form

Explore the IEEE-USA MOVE truck in virtual reality: <https://ewh.ieee.org/ieee/move/vr/>



IEEE-USA MOVE continues to host monthly Tech Talks on the fourth Tuesday at 8:00 PM Eastern and everyone is welcome to attend.

The training and development program works closely with Mark Torres and the Volunteer Engagement

program. If you would like to help with course development or speaker recruitment, please let David Sewell know [d.sewell@ieee.org](mailto:d.sewell@ieee.org).

Date	Speaker	Topic
January 23	Peter Teahen & John Ockenfels	Post Flight to End Polio
February 27	Loderay Marrero	Steps to create a MOVE group from the ground up in different locations
March 26	Missouri State Highway Patrol Sgt Mike Mitchell	Recognition and response to signs of human trafficking while traveling
April 23	Kumar Mishra	Exploiting Learning and Sparsity for Joint Radar Communications
May 28	Tim Troske	Networking Systems and use on disasters
June 25	Greg Hauser and Team	Emergency Radio systems, Interoperability, and the NC VIPER system
July 23	Dr. Rajan Kapur, President, IEEE Smart Village	Smart Village
Aug 27	Andy Moorwood	IEEE Radio
Sept 24	Francis Grosz	IEEE Weather

*IEEE Florida West Coast Section  
STEM Construction Expo Event  
March 5, 2024*

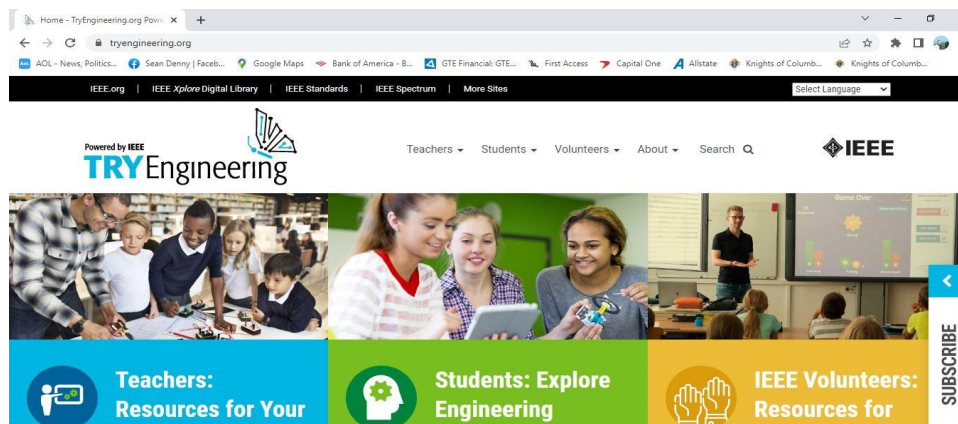
Sean Denny [venner20@ieee.org] (STEM Champion/RAS Chair), Carol Dekkers (IEEE Member), and Emma Alaba (Robofest Chair and RAS Photography)



After bestowing the title of STEM Ambassador, the IEEE elevated my appointment as STEM Champion. The Florida West Coast Section Executive Committee (EXCOM) members supported my efforts and posted in the Signal Newsletter. I had already participated in STEM Explorer Fest on January 20, 2024. I worked with Dr Sidney Martin IEEE Member from St Pete College to arrange IEEE Florida West Coast Section's involvement.

We announced it through V-Tools and the Signal Newsletter to invite those who wished to participate. Dr. Martin said "Our collective goal is to inspire the next generation by showcasing the diverse career opportunities available in the Construction industry. Given the focus on the new stadium development, this is a unique chance to share your company's story and highlight the distinctive careers you offer."

Carol Dekker found the lesson plan "3D Printing By Hand" on TryEngineering.org and provided scraps of cardboard and inflatable Sport balls. Emma Alaba, Retired Robofest Chair offered to co-present and brought cups, rulers, tennis balls, and pencils. I brought pipe cleaners, glue, and more cardboard.



Emma and I arrived at the school by 8am to setup in Room 207. A class of 20 High School students arrived for a 40 minute activity. After our brief introduction, we asked students to read a paragraph from the Background Concepts Page and then played a video from PBS Learning on the advantages of 3D Printing.

<https://ny.pbslearningmedia.org/resource/b9194612-d6e7-4307-b08c-9c2857956713/will-3d-printing-change-the-world/>

We started the class on the Engineering Design Challenge in which teams of two used everyday materials to construct a model object.

After 20 minutes, each group had the opportunity to defend their object with the following questions:

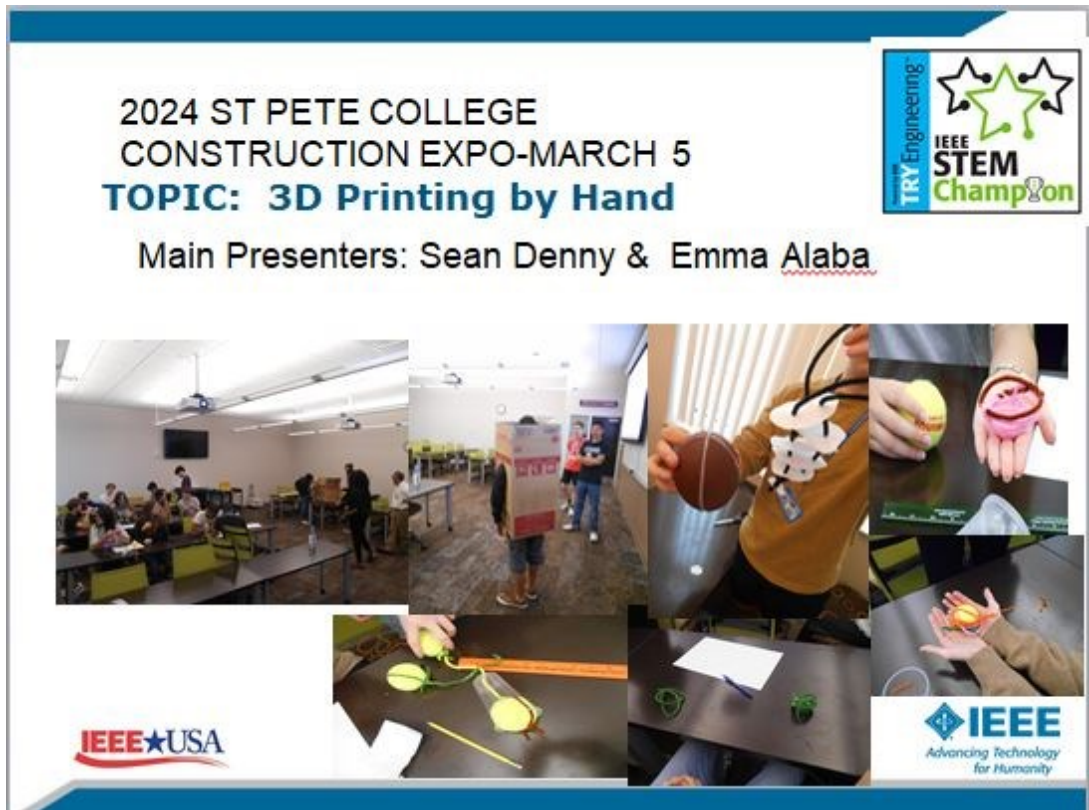
1. How does the model you created compare to the object you based it on?

2. What changes to the process or materials do you think would lead to a more detailed and accurate reproduction of the original object?

3. In what ways are the process you used to create your 3D model similar to the actual process used by a 3D printer?

4. How do you think the thickness of the layers you created here compare to the layers created for a 3D printer?

5. What challenges did you run into in creating your 3D model? What other tools or materials might have helped you make your measurements and construct your layers?



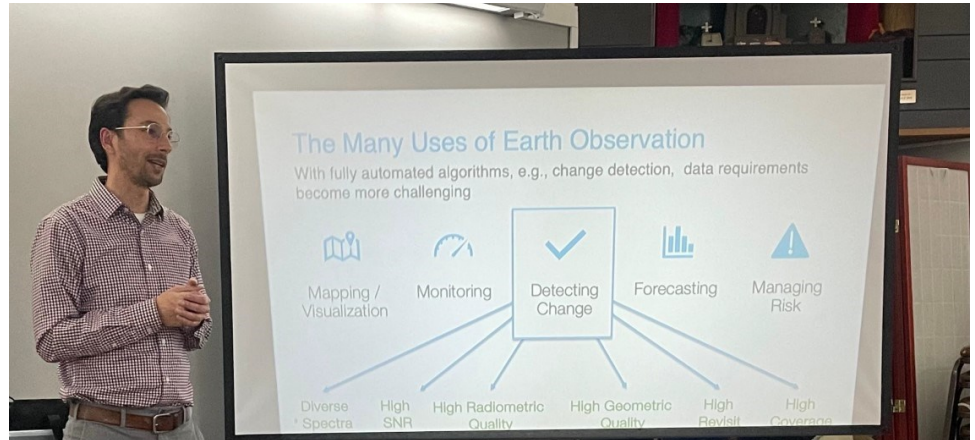
Overall, most students commented they wished for more time or regular wire instead of Pipe Cleaners. The best for last was an **IRONMAN** costume made of cardboard and tennis balls. The students had a lot of fun and took their creations with them. This made the day worth our efforts.

Sean P Denny  
[venner20@ieee.org](mailto:venner20@ieee.org)  
 IEEE Senior Member  
 Teacher In Service, R3 Florida West Coast Section  
 Chair/Secretary, IEEE FWCS Robotics and Automation

*IEEE Melbourne Section  
GRS/AESS/Computer Societies  
Technical Event  
Raul Ortega [rortega@nuvosource.com]*

The Melbourne hybrid GRS/AESS/Computer society held a technical meeting on Thursday 3/21 in the evening at the Melbourne moose lodge. We began the evening with a relaxed dinner of hand tossed pizzas. After an enjoyable time catching up among the IEEE section members and guests, we held a brief EXCOMM Meeting chaired by Earl MacDonald.

Our speaker for the evening was Chris Ampersand from Vancouver, Canada. He is currently the Vice President of engineering of a satellite data provider previously named UrtheCast. The title for the night's talk was "Why Satellite image providers mess with your pixels (a behind the scenes look at raw satellite data processing)". The presentation addressed trade offs between space hardware and ground processing, image formation and calibration.



The meeting was concluded by a question and answer session by the 17 people present.

Report by: Bob Beck GRS/AESS/  
COMSOC CHAIR



### Other Region 3 Address

R3 Web Site: <https://r3.ieee.org/>

IEEE Collabratec: <https://ieee-collabratec.ieee.org>

Facebook: <https://www.facebook.com/>, Search for "IEEE Region 3"

X (Twitter): <https://twitter.com/r3ieee>

Instagram: <https://www.instagram.com/r3ieee/>

## Professional Activities Committee Pays for PDH & CEH Courses Sharlene Brown [[sharlenicolabrown@gmail.com](mailto:sharlenicolabrown@gmail.com)]

The Professional Activities Committee (PAC) over the years have been supporting all Sections with marching funds to host their Non Technical Activities.

This year as part of the Region's plan to support industry engagement, Director Gregorian has approved non matching funds up to USD 250 to support events that engages the industry.

Since the start of the year, PAC has approved a number of Sections and Affinity group funds to support hosting their events. Why wait, submit your application to the PAC Chair for review. Link to application form can be downloaded under professional activities funding on the R3 website <https://r3.ieee.org/committees/professional-activities/#funding>.



Students activities at SoutheastCon that relates to Networking, Ethics and Community Outreach are eligible for PAC Funding.

### Region 3 Pays for Members PDH & CEH

Region 3 will pay a 50% discount on selected ILN Courses for its members to gain additional Professional Development Hours (PDH) and Continuing Education Hours (CEH). This is a promotion to contribute to Region 3 members career development. The promotion is between Region 3 and Education Activities Board (EAB). The promotion will last up to **June 30, 2024**. Use the promotion code to access your discount. Link for more information

<https://innovationatwork.ieee.org/ieee-education-week-region-3/>

Please contact the PAC Chair at [sharlenicolabrown@gmail.com](mailto:sharlenicolabrown@gmail.com) if further details are needed.



### Introducing IEEE Collabratec™

The premier networking and collaboration site for technology professionals around the world.

IEEE Collabratec is a new, integrated online community where IEEE members, researchers, authors, and technology professionals with similar fields of interest can **network** and **collaborate**, as well as **create** and manage content all in one place!

Learn about IEEE Collabratec at  
[ieeecollabratec.org](http://ieeecollabratec.org)



# IEEE★USA

## *IEEE-USA Alaska Cruise* Leah Laird [[l.laird@gmail.com](mailto:l.laird@gmail.com)]

IEEE-USA will be hosting the 7-night cruise September 9-16, 2024, from Seattle, with stops in Sitka, Juneau, Skagway and Victoria BC. Cruise in style aboard Royal Caribbean's Quantum of the Seas.

This is IEEE-USA's second cruise - the flagship cruise was last year, celebrating the 50th anniversary of IEEE-USA. This cruise is a bucket-list event, taking a spin on "Edu-tainment" - where they will offer an unforgettable adventure of a trip through the Alaskan frontier, mixed with the opportunity to network and learn from prominent speakers in the Tech sphere - we'll have sessions focusing on popular topics like AI, the Future of Work, Sustainable Tech, and



more.

For more information, you can find details and a link to book your trip at [cruise.ieeeusa.org](http://cruise.ieeeusa.org)

The IEEE-USA Alaska Cruise promises to be a very exciting and unique event.

## *How You Can Start / Enhance a Consulting Business* Leah Laird [[l.laird@gmail.com](mailto:l.laird@gmail.com)]

IEEE-USA is offering IME South 2024 Conference attendees and local IEEE members in the Charlotte, NC area an informative one-day workshop (earn 5 PDHs) that will explain how you can transform your engineering expertise and skills into your own consulting practice or even enhance an existing one.

Approximately 150 million people in North America and Western Europe now work as consultants/ independent contractors. Many members of IEEE-USA are a part of this large and still growing population of people who have taken their knowledge and skill set to start their own business.

However, this move should not be entered into without forethought and training. This is what our IEEE-USA



professionals would like to impart on you through this full day workshop. Through this workshop, we will teach you the importance of networking, the basics of becoming a full-time consultant, and how to map out a plan to build and maintain a thriving business. Register today!

[How You Can Start / Enhance a Consulting Business - 6 June 2024](#)

## June 6, 2024

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## *Region 3 Awards and Recognitions Update*

**Devon Gayle** [[d.gayle@ieee.org](mailto:d.gayle@ieee.org)]  
Region 3 Awards & Recognition Chair

**Nelson Lourenco** [[nelson.lourenco@ieee.org](mailto:nelson.lourenco@ieee.org)]  
Region 3 Awards & Recognition Past Chair

On March 23, Region 3 held its annual Awards Banquet at SoutheastCon 2024 in Atlanta, GA. In addition to recognizing our Region 3 award winners, we had the pleasure of recognizing our amazing MOVE volunteers and generous philanthropists from across the Region. The Student Hardware Competition Finals were also held during the banquet. It was a great night and we are looking forward to hosting an in-person event at SoutheastCon 2025 in Concord (Charlotte), NC.

Before moving to our 2024 award winners, MOVE volunteers, I'd like to remind everyone about SoutheastCon 2025 (see below).

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### **An Invitation – IEEE SoutheastCon 2025 March 26-30, 2025 (Virtual March 22-23)**

**Embassy Suites by Hilton Charlotte Concord Golf Resort & Spa / Concord Convention Center  
Concord (Charlotte), NC**

Join us next year for IEEE SoutheastCon 2025 in Concord (Charlotte), NC. We will be returning to the site of IEEE SoutheastCon 2010 and 2017 and are excited to return for 2025.

Our theme for 2025 is "Industry and Academia in Partnership". This theme reflects the many tech companies, universities, and STEM opportunities in the Carolinas. As part of this theme, our conference will include industry events and presentations as well as our traditional research papers, student events, and Region 3 events.

IEEE SoutheastCon 2025 will be held at the [Embassy Suites by Hilton Charlotte Concord Golf Resort & Spa](#), which is located northeast of Charlotte next to the Charlotte Motor Speedway and the famous Concord Mills shopping and entertainment complex. The hotel is a 25-minute car ride from the Charlotte International Airport (CLT), a major American Airlines hub. For some Florida attendees, the discount airline Allegiant offers service to the Concord Regional Airport, located only three miles from the hotel.

IEEE SoutheastCon 2025 student competition will feature robots working a mining theme. The technical program will feature tracks from AI and Predictive Modeling to Engineering Education as well as industry programs.

*For full details of SoutheastCon 2025, please visit our website at  
<https://attend.ieee.org/southeastcon2025/>*

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## **PROFESSIONAL AWARDS**

### **Region 3 Awards**

#### *Daniel W. Jackson Award*

#### **Mary Ellen Randall**

"For her outstanding contribution to Region 3 by establishing the MOVE project to promote world-wide humanitarian service and member engagement"

Mary Ellen Randall is founder/CEO of Ascot Technologies, Inc., an award-winning software company and previously held a variety of management and technical positions with IBM. In this role, Ms. Randall was named a top "Woman in Business" in the Research Triangle NC area and made Business Leader Magazine's "Impact 100" List. Ms. Randall is an IEEE Fellow and member of the Eta Kappa Nu honor society in the profession of Electrical and Computer Engineering. Ms. Randall previously served on the IEEE Board of Directors as IEEE Treasurer, IEEE Vice President, Member and Geographic Activities and Region 3 Director. Ms. Randall continues to volunteer for the IEEE MOVE Community Outreach Program for Disaster Relief and STEM education.



*(Continued on page 16)*

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### Joseph M. Biedenbach Outstanding Engineering Educator Award

#### **Regina Hannemann**

“For outstanding contributions to engineering education through innovative course development, professional service, and inspiring the next generation of engineers”

Regina Hannemann (S’93, M’02, SM’05) received the Dipl.-Ing. degree from Ruhr-Universität Bochum, and the Dr.-Ing. degree from Gesamthochschule Kassel. In 2002, she joined the University of Kentucky ECE Department as a postdoc and rose to senior faculty lecturer in 2005. While directing the ECE Capstone Design Experience, Regina modernized the curriculum by introducing cross functional project teams to prepare students for today’s work environment. Under her leadership, close to 1000 students on over 200 project teams have graduated to successful careers. Regina works to expose everyone from all walks of life to the joys of being an electrical engineer. By volunteering in the K-12 STEM outreach opportunities, she advocates for women and underserved minorities in Engineering. Her passion is guiding and mentoring students of all levels, to be the best engineers they can be, and show them that being involved in IEEE can help them continue to grow and evolve in their careers.

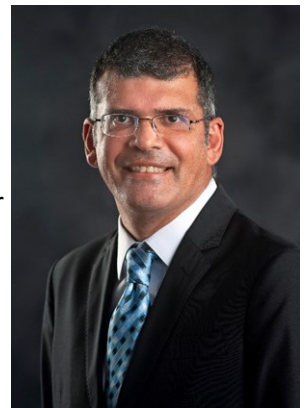


### Outstanding Engineer Award

#### **Samee U. Khan**

“For outstanding and sustained contributions to improving the energy efficiency of computer systems”

Samee U. Khan received a Ph.D. in 2007 from the University of Texas. He is the Department Head and James W. Bagley Chair Professor of Electrical & Computer Engineering at Mississippi State University (MSU). Before arriving at MSU, he was Cluster Lead (2016-2020) for Computer Systems Research at the National Science Foundation and the Walter B. Booth Professor at North Dakota State University. His research interests include optimization, robustness, and security of computer systems. His work has appeared in over 450 publications. His works have received two best paper awards at conferences, and one journal article received the IEEE Communications Society Technical Committee on Big Data Best Journal Paper Award. He is the associate editor of IEEE Transactions on Cloud Computing and the Journal of Parallel and Distributed Computing. He is a Fellow of the Institution of Engineering and Technology (IET) and a Fellow of the British Computer Society (BCS). He is a Distinguished Member of the Association for Computing Machinery (ACM) and a Senior Member of the IEEE. He has been the IEEE Distinguished Lecturer and the ACM Distinguished Speaker. He is a recipient of the IEEE-USA Professional Achievement Award and the IEEE Golden Core Member Award.



### Outstanding Service Award

#### **David C. Wright**

“For outstanding service and contributions as IEEE-USA MOVE Maintenance Lead, enabling disaster relief efforts across the United States”

David Wright received his B.A. from UNC Chapel Hill with a double major in Physics and Radio, TV, Motion Pictures. He is an IEEE Life Member with well over 45 years of experience in Radio, Television, Satellite, and Cable communications where he has provided testimony to various regulatory agencies including the Federal Communications Commission. David has been involved in the IEEE MOVE Community Outreach since 2018 and for the past several years has served as the Maintenance Team Lead for the MOVE Trucks. In addition to his role as IEEE MOVE Community Outreach Maintenance Team Lead, David is involved with the IEEE Public Safety Technology Community, served as Past President of the North Carolina Public Radio



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Association, and is a Life Member of The Society of Broadcast Engineers, an association for broadcast and multimedia technology professionals.

### **Outstanding Young Professional Award**

#### **Vishwas Powar**

“For outstanding service and leadership, and inspiring young professionals with technical contributions in the fields of photovoltaics, energy storage, and sustainable end-to-end power systems”

Vishwas Powar is a Ph.D. candidate in Electrical and Computer Engineering at Clemson University. He received his Bachelor of Engineering from University of Mumbai, India and his Master of Science in Intelligent Systems from Clemson University. As a Ph.D. candidate, his research is focused on power flow control and optimization for the next generation of power networks. His research includes utility-scale PV farm sizing, standalone and grid-tied battery energy storage systems and intelligent fast charging for electric vehicles. He has published 20+ research papers, a book chapter, and two trade journal articles. His research was selected as the top-10 finalists for CIGRÉ-US National Committee’s Next Generation Paper Competition, 2021. He was among four selected young professionals to present their work at the Global IEEE PES Young Professionals Summit 2023. The Department of Electrical and Computer Engineering at Clemson University awarded him with the Outstanding Graduate Teaching Assistant and 2023 Outstanding Graduate Student Service Award. Vishwas is the Vice Chair of the IEEE Region 3 Young Professionals, Chair of IEEE Young Professionals for the Piedmont Section, Chair of IEEE Power and Energy Society’s Student Branch Chapter at Clemson University and is actively involved in IEEE Region 3 as the member and newsletter editor for the Students Activity Committee. Vishwas is inducted into the IEEE Eta Kappa Nu (HKN) and Phi Kappa Phi honor societies. He aims to be an industry fellow in the sustainable power sector.



### **Region 3 Director’s Choice Award**

#### **Andrew Seely**

“For his dedicated efforts in elevating Senior Members in Region 3 and around the world”

Andrew Seely is an independent consultant for IT and Cybersecurity for U.S. Defense, Federal, State, and commercial clients. He is currently a contracted ambassador for Cyber Florida’s Critical Infrastructure Protection Program, where he is the leader for outreach to the Defense Industrial Base in Florida. He is an adjunct instructor for Computer Science at both Hillsborough Community College and University of Maryland Global Campus, where he has taught for 23 years, and he formerly taught at the University of Tampa and at Oslo and Akershus University College of Applied Sciences, in Oslo, Norway. He has been a member of IEEE for over 20 years. Andy is a member of the Board of Governors for the IEEE Computer Society, IEEE Region 3 Member Communication Committee Chair, Secretary for IEEE Standards Association working group on Software Safety, and the Vice Chair for the Florida West Coast Section of the IEEE.



### **Exemplary Section Award**

#### **Orlando Section**

CHAIR: Masood Ejaz

BYLAWS: Jorge Medina

HISTORICAL ADVISOR: Joe Juisai

VICE CHAIR: Maneck Master

COMM: Jorge Medina

MEMBERSHIP DEV: Matthew Ackerman

SECRETARY: Joe Juisai

CONFERENCES: Varadraj Gurupur

PROGRAMS: Maneck Master

TREASURER: Kim Fullencamp

EDU ACTIVITIES: Adrian Andrews

STRATEGIC PLANNING: Scott A. Clary

PAST CHAIR: Varadraj Gurupur

FINANCE COMMITTEE: Joe Juisai

STUDENT ACTIVITIES: Giji Skaria

AWARDS: Varadraj Gurupur

FES LIAISON: David Flinchbaugh

*(Continued on page 18)*

**CHAPTERS:**

APS/MTTS: Jiachen Guo    EPS: Tamseel Syed  
 CS: Steffen Camarato    PES/IAS/PELS: Lucas Sweet  
 EDS: Akash Han Bharath    TEMS: Michael Orlovsky

**AFFINITY GROUPS:**

LIFE MEMBERS: Maneck Master  
 WOMAN IN ENGINEERING: Sonali Das  
 CONSULTANTS NETWORK: Luis Chocho

**STUDENT BRANCH / CHAPTERS:**

University of Central Florida Student Branch  
 Valence College Student Branch  
 UCF WIE Affinity Group  
 UCF PES Chapter  
 UCF PS Chapter

*(Continued from page 17)*

**Exemplary Student Branch Award****Jacksonville State University Student Branch**

COUNSELOR: Dr. Arup Ghosh  
 CHAIR: Ethan St John  
 SECRETARY: Jakob Skipper  
 TREASURER: Binamra Shrestha  
 COMM CHAIR: Corey Dunn  
 WEBMASTER: Caleb Pack

OUTREACH CHAIR: Johnny Elisee  
 PROJECT CHAIR: Merdan Garlyyev  
 WORKSHOP CHAIR: Adarsh Gautam  
 SOCIAL CHAIR: Jose Nieto  
 SERVICE CHAIR: William Hughes

**University of Central Florida Student Branch**

COUNSELOR: Dr. Suboh Suboh  
 CHAIR: Aden McKinney  
 VICE CHAIR: Tobiah Bower  
 SECRETARY: Megan Bailey  
 TREASURER: Kate Archibald  
 MARKETING CHAIR: Janani Nagaraj  
 PROF DEV CHAIR: Corey Dunn

OUTREACH CHAIR: Mikell Alfonso  
 PROJECT CHAIR: Cory Brynds  
 WORKSHOP CHAIR: Ethan Baker  
 SOCIAL CHAIR: Alex Evison  
 SERVICE CHAIR: Rafael "James" Puig  
 SOFTWARE CHAIR: Michael Castiglia

*(Continued on page 19)*

(Continued from page 18)

**WORKSHOP COMMITTEE:**

Anh Pham Tyler Takimoto  
 Hassan Usman Scott Valentine  
 Yousef Awad Robert Josephson  
 Vlad Vulpe Ryan Baumgartner

**PROJECTS COMMITTEE:**

James Chen Antonio Duchesneau  
 Pavan Senthil Abdul Memon  
 Jonah Sprandel Joshua Yu

**SERVICE COMMITTEE**

Alex Hatzilias Sergio Paez  
 Sebastian Candelaria Erik Siegman

**SOCIAL COMMITTEE**

Peyton Barnes

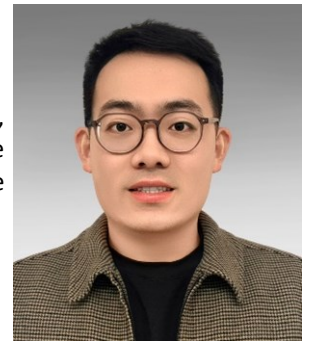


**Student Professional Activities Service Award**

**Yang Liu**

*North Carolina A&T State University*

Yang Liu received a B.S. in Electrical Engineering from both Henan Polytechnic University (Jiaozuo, Henan, China) and North Carolina Agricultural and Technical State University (Greensboro, NC, USA). He also obtained an M.S. in Computer Science from North Carolina Agricultural and Technical State University before pursuing his Ph.D. in Computer Science at the same institution.



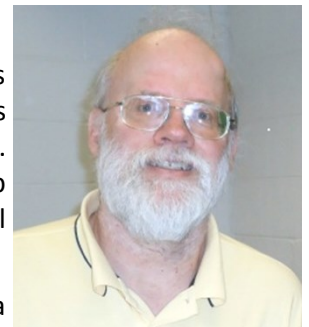
**Region 3 Special Recognition**

**Dr. James H. Graham**

“In recognition of his generous gift establishing the IEEE Region 3 Cybersecurity Scholarship”

Dr. Graham is Professor Emeritus of Engineering at the University of Louisville. He served as the Henry Vogt Professor of Computer Science and Engineering from 1991-2014 and as Chairman of the Department of Electrical and Computer Engineering from 2006-2013. Dr. Graham was a co-founder and CEO from 2013-2020 of True Secure SCADA, LLC, a startup company which provided specialized software and hardware to protect industrial control systems in critical infrastructure from cyber-attacks and malware.

Dr. Graham worked as a product design engineer for General Motors Corporation, and as a faculty member at Purdue University and Rensselaer Polytechnic Institute, before joining the



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faculty of the University of Louisville in 1985. He served as a consultant to a number of companies, including General Electric, GTE Laboratories (now part of Verizon), Science and Engineering Services, Inc., and several high-technology startup companies.

Dr. Graham is the editor of two books and the author or coauthor of over 250 technical publications. He supervised 26 Ph.D. students and over 70 master's theses students. He is a senior life member of the IEEE and an active member of the Louisville Section. Dr. Graham and his wife now live in southern Indiana.

### Region 3 Senior Membership Development Certificates

We gave a challenge to our Sections to help increase member engagement by nominating more individuals for Senior Member grade, since statistics show that Senior Membership increases longevity and promotes life membership within the IEEE. This year we are awarding certificates, on behalf of the Section Support Committee, to three Sections who demonstrated outstanding Senior Membership Development efforts.

#### **Central Savannah River Section**

Largest Percentage (3.2% of Section Membership)

#### **Florida West Coast Section**

Global Leader (64 Nominations Completed)

#### **Eastern North Carolina Section**

Best In-Section Support (15 Nominations)

Thank you again for your service to the Region. You are critical to the continued success of the IEEE!

## **IEEE R3 MOVE RECOGNITION**

### *MOVE Contributors*

Agajanian, Aram	Briggs, Danny	Curtis, Fred	Fuccella, Dan
Albrecht, Greg	Brown, Alan M	Czuhai, Daniel	Galuchi, Karen
Aldrich, David	Brown, Melinda	Das, Amitava	Gayle, Devon
Allen, Rich	Brown, Sharlene	Decuir, Joe	Gibson, Kwasi
Apter, Marc	Brumm, Doug	Dent, Cindy	Gilbert, John
Arellano Loretta	Brunasso, Theresa	Diepenbrock, Jay	Gilbert, Steve
Arman, Ira F	Burke, AJ	Dolan, Thomas	Gilmour, Tim
Armstrong, Ken	Burns, Walt	Driessen, Steve	Godeau, Aquiel
Attawar, Sadhana	Campbell, Anthony	Dykstra, Jeff	Goodson, Paul
Baba, Justin	Cardinale, Michael	Eberle, David	Goodwin, Ken
Baker, Ryan	Carrero, Francisco	Ehresmann, John	Gostin, Jill
Balsam, John	Castillo, Jen	Erickson, Paul	Green, David
Barco, Emile	Chavis, V Michael	Erickson, Steve	Greene, Brian
Bautista, Phil	Chun, Kukjin	Evans, David	Griffith, David
Bellarmino, Thomas	Clemons, Tom	Feliciano, Hector	Griffin, Daryll
Benson-Egan, Robin	Conaway, Paul	Ferguson, Dennis	Grosz, Francis
Bessey, Laura	Conrad, James	Figuroa, Christian	Guzek, Bill
Bowes, Frank	Cooper, Deb	Filson, John	Haddad, Ken
Bracero Marrero, Loderay	Craig, Bill	Forrest, Tim	Handal, Jeffry
Bradley, Doug	Creighton, Laura	French, Dan	Hansen, Steve
Brey, Corey	Cummings, Bob	French, Mat	Harla, Mike

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Harris, Charlie	Luze, Jason	Randall, Mary Ellen	Torre, Bill
Harrison, Russ	Maassel, Michael	Ratcliff, Bill	Torres, Mark
Haupt, Bruce	Malek, Charles J, PE	Ratterree, Gary	Tran, Eric
Hauser, Greg	Malinowski Aleksander	Read, Patrick	Traversi, Katy
Hayashi, Kathy	Manske, Victor	Richardson, Melody	Troske, Tim
Hentrich, David	Mari, Lee	Romeril, Winnie	Valins, Dan
Hill, Don	Massetti, Nick	Rooks, John	Vaughn, Gregg
Hissey, Ted	McBride, Todd	Roske, Gene	Ved, Niten
Hober, Daniel	Merkel, Danny	Russell, Ralph	Vega, Elsie
Hofmann, Henry	Merton, Samantha	Saez, Florencio	Venkatraman, Chitra
Hohn, Jerry	Mewborn, Virginia	Sauer, Adam	Vieira, David
Hudiburg, John	Mickiewicz, Russ	Schultz, Alvin	Viray, DJ
Hughes, Tara	Millar, Jeremy	Schultz, Steve	Wades, James
Iams, David	Mogollon, Nelson	Seraki, Joe	Walker, Cedric
Idrees, Hassaan	Mojica, Magdiel	Sewell, David	Wall, Doug
Jagessar, Daniel	Moore, TC	Shadwell, Butch	Warner, Charles
James, Fred	Moorwood, Andy	Sheier, Eric	Welch, Lee
Johnson, Don	Morales, Paola	Shinaberry, Derek	Whicker, Zak
Kalwani, Sharan	Morreale, Jay	Smith, Derrick	Whitney, Bob
Kelly, Connie	Munson, Chris	Smith, Julie M	Whitworth, Bill
Kemp, Steve	Newton, Alon	Snyder, David	Williams, Derrick
Kim, Byron	Nicholson, Judy	Srivastava, Udbhav	Williams, Ray
Kimball, Thomas	Nylund, Blake	Stuebing, Gary	Wilson, Mike
Kinsner, Witold	Ortiz, Julian	Sundstrom, Sunny	Winans, Amanda
Kirby, Steve	Osborne, Brandy	Sutton, Chris	Wittman, Andy
Kirstetter, Pierre	Ourada, Gerry	Tammar, Karl	Wong, Patrick
Kitchens, John	Page, Brian	Tao, Jian	Wood, Lynn
Kremer, Larry	Park, Ken	Tatis, Luis	Wooton, Bill
Kurtzman, Steve	Patrick, Hugh	Taylor, Tad	Wright, David C
Larson, Larry	Peck, Dennis	Teahen, Janet	Yao, Jason
Lee, Tim	Peters, Daniel	Tengan, Brianne	Young, James
Leonard, Ted	Powers, Al	Teron, Abigail	Zuckerman, Doug
Li, Donghui	Prasanna, Bala	Thanigaivel, Raghav	Zentner, Mark D
Lin, Albert	Preston, Gene	Thendean, John	
Littleton, Matthew	Ramos, Lorena	Thovtrup, Tamara	
Lovegrove, Bill	Randall, Grayson	Tokuda, Kathleen	

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## IEEE HERITAGE CIRCLE RECOGNITION

The IEEE Heritage Circle recognizes "Honored Philanthropists" who have significantly contributed to the IEEE Foundation's scientific and educational endeavors. These individuals have supported more than 250 donor-designated funds held by the IEEE Foundation, helping to advance IEEE's mission. We are excited to announce that tonight, we have two members who are new members of the IEEE Heritage Circle and a third member who is being elevated to a higher level.

### *Nikola Tesla Level (\$10,000 - \$24,999)*

#### **Jill Gostin**

Jill Gostin is a distinguished member of the IEEE Board of Directors. She currently holds the position of IEEE Vice President for Member and Geographic Activities. She has a remarkable track record of service to the IEEE community. Ms. Gostin has previously served as the Director of IEEE Region 3 and as a member of the IEEE Computer Society Board of Governors and the IEEE Aerospace and Electronics Systems Society Board of Governors. Additionally, she has served as the VP of Finance for the IEEE Sensors Council. She has also participated actively in various other IEEE volunteer activities, served as a panelist for discussions on Women in Technology fields, and has made significant contributions to STEM outreach programs.



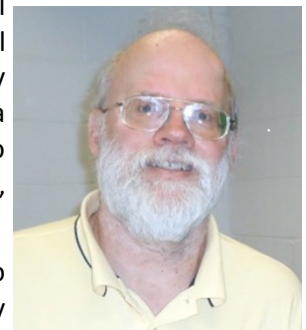
We are pleased to announce that Jill Gostin is newly inducted into the 2023 class of the IEEE Heritage Circle. This recognition is for her cumulative donation between \$10,000 and \$24,999 to the IEEE Foundation. She has contributed generously to the IEEE Move fund, IEEE Region 9 Fund and IEEE Foundation General Fund. Jill is being inducted at the Nikola Tesla level. This achievement is a testament to her remarkable generosity and philanthropic efforts.

Let's extend a warm welcome to Jill Gostin! We sincerely appreciate your dedication and support of IEEE.

### *Alexander Graham Bell Level (\$50,000 - \$74,999)*

#### **James H. Graham**

Throughout the years, Dr. James Graham's research and career focused on intelligent control systems, including robotics, computer-integrated manufacturing, and industrial control system diagnostics. Over the years, he researched cybersecurity control systems funded by the Department of Justice, the Department of Homeland Security, and DARPA. During a consulting job in the late 1990s, he noticed control system computers were vulnerable to cyber-attacks via the Internet. He secured funding to explore ways to improve the situation, which became his primary research focus for the next twelve years.



In 2013, Dr. Graham co-founded a technology startup named True Secure SCADA with two other engineering colleagues and served as the company's CEO until 2020. Besides a lengthy technology career, he is actively and consistently involved with the Louisville Section of IEEE and IEEE Region 3, and additionally serves as a reviewer for several leading cybersecurity journals.

Dr. Graham has generously created a scholarship for cybersecurity students in IEEE Region 3. He established an endowment in support of the scholarship, which he believes will help support deserving students for decades to come. With the increasing number of data breaches, ransomware attacks, and other cyber threats happening every day, Dr. Graham believes strongly in the crucial need and growth for professionals in this field. His generosity is exemplified by this endowment and his long-term commitment to supporting IEEE Region 3!

With great pleasure, we announce Dr. James Graham as a new member of the IEEE Heritage Circle. He has been inducted into the Alexander Graham Bell level as part of the 2023 class of the IEEE Heritage Circle in recognition of

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his generous donations totaling between \$50,000 and \$74,999 to the IEEE Foundation. This is a remarkable achievement that reflects his outstanding generosity. We are honored to induct him into the Heritage Circle.

Please help us acknowledge Dr. James Graham for his philanthropic generosity and establishing the first IEEE Region 3 scholarship. We sincerely appreciate his continued support as a valued philanthropic partner.

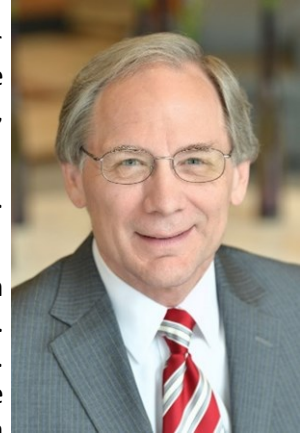
### James Clerk Maxwell Level (\$250,000 - \$499,999)

#### **John and Jo-Ann McDonald**

We are pleased to announce that John McDonald, a distinguished board member and IEEE PES (Power and Energy) Past President, and his wife, Jo-Ann, are elevated IEEE Heritage Circle members of the IEEE Foundation. Many of you know John because of his connection with Region 3, IEEE PES, and the IEEE Foundation.

The Foundation views volunteer contributions in three dimensions: talent, time, and treasure. John D. McDonald, P.E. exemplifies this model in all three dimensions.

John received his B.S.E.E. and M.S.E.E. (Power Engineering) from Purdue University and an M.B.A. from the University of California-Berkeley. He is Founder & CEO of JDM Associates, LLC. John has 50 years of experience in the electric utility transmission and distribution industry. He has published 150 papers and articles, co-authored five books, and has one US patent. He taught at the Georgia Institute of Technology and the University of Tennessee at Chattanooga and as an IEEE PES Distinguished Lecturer.



John is a Life Fellow of IEEE and IEEE-HKN member, a member of each for 53 years. His IEEE service includes PES President, IEEE Division VII Director, and IEEE-SA (Standards Association) Board of Governors. He is a member of the National Academy of Engineering and is currently on the IEEE-HKN Board of Governors and Vice President of Development for the IEEE Foundation.

John has received numerous awards, including the IEEE Millennium Medal, and recognitions from the IEEE Power & Energy Society, including its Excellence in Power Distribution Engineering and Meritorious Service Awards.

John is passionate about inspiring and guiding students and young professionals worldwide in their personal career development. Through their generous donations, John and Jo-Ann established long-term funds within the IEEE Foundation to support the IEEE Power & Energy Society Undergraduate Scholarship program and the IEEE-HKN Student Chapter Support program.

John, we are pleased to recognize your and Jo-Ann's new status in the IEEE Heritage Circle.

## **OTHER IEEE AWARDS**

### IEEE Medal for Innovations in Healthcare Technology

**Blake Wilson (LFIEEE, Duke University) and Grame Clark**

"For contributions to the development of the modern cochlear implant"

### IEEE Medal for Power Engineering

**Deepakraj M. Divan (LFIEEE, Georgia Tech)**

"For contributions to advanced power conversion technologies for modern electric power grid"

### IEEE Simon Ramo Medal

**John A. (Jack) Stankovic (LFIEEE, University of Virginia)**

"For contributions to the theory of real-time and resource-constrained, distributed systems and the practice of cyber-physical and health systems"

### IEEE-USA K-12 STEM Literacy Committee Educator-Engineer Partnership Award

**Leon Grant (Marietta High School) and Erick Maxwell (GTRI)**

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“In recognition of exemplary collaboration leading to the development of Smart Medical Gloves”

**IEEE Education Activities Board Meritorious Achievement Award in Pre-University Education**

**Melody Richardson**

“For her dedication and leadership in K-12 STEM education and sustained community outreach initiatives such as Family Science Nights and STEM on the MOVE”

**IEEE Standards Association Board Standards Medallion**

**Michael Dead Sigmon Sr.**

“For influential leadership in the IEEE Power & Energy Society Switchgear Committee and for advancing new methods of educating users, manufacturers, students, and industry”

**IEEE Student Activities Regional Exemplary Student Branch Award**

**Florida International University**

Miami Section

**IEEE-HKN Outstanding Chapter Award**

Beta Eta Chapter – North Carolina State University

Beta Mu Chapter – Georgia Institute of Technology

Epsilon Sigma Chapter – University of Florida

**IEEE-HKN Key Chapter Recognition**

Beta Eta Chapter – North Carolina State University

Beta Mu Chapter – Georgia Institute of Technology

Gamma Omega Chapter – Mississippi State University

Epsilon Sigma Chapter – University of Florida

Zeta Iota Chapter – Clemson University

Theta Lambda Chapter – University of South Alabama

Kappa Lambda Chapter – University of Memphis

Kappa Xi Chapter – University of South Florida

Kappa Phi Chapter – University of North Carolina, Charlotte

Nu Epsilon Chapter – Kennesaw State University

## **NEW R3 IEEE FELLOWS**

Bhunia, Swarup	Franklin, Aaron	Nikolopoulos, Dimitrios	Tourassi Georgia
Bishop, Robert H.	Hall, Thomas M.	Poshyvanyk, Denys	Vahidi, Ardalan
Cai, Zhipeng	Inan, Omer T.	Qi, Li	Yu, Shimeng
Collins, Leslie M.	Kim, Hyesoon	Ramakrishnan, Naren	Zhang, Fumin
Durgin, Gregory D.	Lu, Chang-Tien	Rostron, Joseph R.	
Eskandarian, Azum	Malin, Bradley A.	Sun, Kai	

## **SOUTHEASTCON 2024 STUDENT COMPETITION RESULTS**

### **Hardware Competition (Main)**

1st Place – Clemson University

2nd Place – High Point University

3rd Place – Virginia Tech and Bob Jones University (tied)

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### **Circuit Design Competition (Main)**

1st Place – Virginia Tech  
2nd Place – University of Kentucky  
3rd Place – University of Alabama in Huntsville

### **Circuit Design Competition (Open)**

1st Place – University of Kentucky

### **Networking Competition**

1st Place – Brandon Holt  
2nd Place – Sarah Fernandes  
3rd Place – Jared Hassman

### **Ethics Competition**

1st Place – University of Florida  
2nd Place – North Carolina State University  
3rd Place – Tennessee Tech

### **Software Competition (Main)**

1st Place – University of Florida  
2nd Place – Mercer University  
3rd Place – Christian Brothers University

### **Software Competition (Open)**

1st Place – University of North Carolina at Charlotte

### **Promotional Design**

1st Place – University of North Carolina at Charlotte  
2nd Place – University of Kentucky  
3rd Place – Western Carolina University

### **Hardware Design (Main)**

1st Place – University of North Carolina at Asheville  
2nd Place – Virginia Tech and Jacksonville State University (Joint Team)  
3rd Place – Bob Jones University

### **Hardware Design Competition (Open)**

1st Place – Virginia Tech  
2nd Place – University of Kentucky (Stewart)  
3rd Place – University of Kentucky (Barnes)

### **Outreach Competition**

1st Place – University of Florida  
2nd Place – Virginia Tech  
3rd Place – North Carolina State University

### **Presentation Competition – Undergrad**

1st Place (Main) – Corey Dunn, Jacksonville State University  
1st Place (Open) – Noah Oppermann, Harding University

### **Presentation Competition – Grad**

1st Place – Sneha Narasimhan, North Carolina State University  
2nd Place – Ruthba Yasmin, University of South Alabama  
3rd Place – Vincent Kwao, North Carolina A&T State University

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## **SOUTHEASTCON 2024 RECOGNITION**

### **Region 3 James Beall SoutheastCon Recognition**

#### **Alessio Medda**

“In grateful appreciation of his dedication and service as General Chair of SoutheastCon 2024”

Dr. Alessio Medda is a Principal Research Engineer in the Aerospace, Transportation, and Advanced System Laboratory at the Georgia Tech Research Institute (GTRI) and the head for the Biosensing and Signal Analytics Branch. His research interests are in digital signal processing, machine learning, physiological sensing, array processing and wavelets. He received his M.S. degree in Electronic Engineering in 1993 from the University of Cagliari, Italy, and his Ph.D. in Electric and Computer Engineering in 2009 from Florida State University, Tallahassee, FL. Prior to GTRI, he worked at the U.S. Army Aeromedical Research Laboratory in Ft. Rucker, AL, and he was a visiting faculty at the department of Electrical and Computer Engineering at the Florida State University. He is a senior member of IEEE, member of the IEEE Signal Processing and Engineering Medicine and Biology Societies, Past Chair of the Atlanta Signal Processing Chapter and Past Chair of the IEEE Atlanta Section. Dr. Medda is the recipient of the 2013 GTRI Junior Research Excellence Award and the 2013 and 2015 Outstanding Technical Achievement Awards.



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## SoutheastCon 2024 Conference Committee and Volunteers

**Conference Vice-Chair:** Tamseel Syed  
**Treasurer:** Brian Conant  
**Secretary:** Nelson Lourenco  
**Logistics Chair:** Melody Richardson  
**Sponsorship:** Chase Battaglio & Melody Richardson  
**Webmaster:** Brian Page & Alessio Medda  
**Registrar:** Charles Lord & Joe Versaggi

### TECHNICAL PROGRAM SUB-COMMITTEE

**Technical Program Chair:** Tamseel Syed  
**Technical Program Co-Chair:** Aprameya Satish

### STUDENT PROGRAM SUB-COMMITTEE

**Student Program Chair:** Stephen Hopkins  
**Hardware Competition Lead:** Razvan Voicu (Chris)  
**Hardware Competition Operations Lead:** Aaron Rieck

### REGION 3 REPRESENTATIVES

**Conference Committee Chair:** Joe Juisai  
**Past Conference Committee Chair:** Eric Ackerman

### OTHER REGION 3 VOLUNTEERS

Eric Grigorian	Joe Juisai
Nelson Lourenco	Pat Donahue
Theresa Brunasso	Jim Conrad
Bailey Heyman	Jill Gostin
Joe Pennisi	

As you can see, there are many opportunities for awards within IEEE. It is the goal of the Awards and Recognitions Committee to help all of you, our Region 3 members, nominate your colleagues for any of these prestigious awards. If you ever need assistance with a nomination, please feel free to contact us at [R3-awards@ieee.org](mailto:R3-awards@ieee.org), [d.gayle@ieee.org](mailto:d.gayle@ieee.org), and [nelson.lourenco@ieee.org](mailto:nelson.lourenco@ieee.org).

## 2024-2025 REGION 3 AWARDS AND RECOGNITION COMMITTEE

**Chair:** Devon Gayle  
**Past Chair:** Nelson Lourenco  
**Area 1 Chair (North Carolina and Virginia):** James Imanian  
**Area 2 Chair (Georgia and South Carolina):** Wyman Williams & Alessio Medda  
**Area 3 Chair (Florida):** Raul Ortega  
**Area 4 Chair (Kentucky and Tennessee):** Paul Kuban  
**Area 5 Chair (Mississippi, Alabama, and Jamaica):** Daniel Diaz  
**Committee Mentor (Past R3 Director/Delegate):** Gregg Vaughn

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## *IEEE Region 3 Executive Committee – 2024*

Director <i>Eric Grigorian</i>	Director Elect <i>Sonya Dillard</i>	Secretary <i>Pat Donohoe</i>
Treasurer <i>Joe Pennisi</i>	Past Director <i>Theresa Brunasso</i>	
Area 1 North Carolina & Virginia <i>James Imanian</i>	Area 2 Georgia & South Carolina <i>Wyman Williams</i> <i>Alessio Medda</i>	Area 3 Florida <i>Raul Ortega</i>
Area 4 Kentucky & Tennessee <i>Paul Kuban</i>	Area 5 Mississippi, Alabama, & Jamaica <i>Daniel Diaz</i>	

### **Awards and Recognition Committee**

Awards and Recognition Chair <i>Nelson Lourenco</i>	Vice Chair <i>Devon Gale</i>	Prof Activities Representative <i>TBA</i>
Area 1 Chair <i>James Imanian</i>	Area 2 Chair <i>Wyman Williams</i>	Area 3 Chair <i>Raul Ortega</i>
Area 4 Chair <i>Paul Kuban</i>	Area 5 Chair <i>Daniel Diaz</i>	

### **Members Communications**

Members Communications Chair <i>Andrew Seely</i>	Member Recruitment & Retention Coord. <i>Patrick Kung</i>	Information Coordinator <i>Vishwas Powar</i> <i>Megha Ben</i>
Newsletter Editor <i>Bill LaBelle</i>	Webmaster <i>Lucas Sweet</i>	Fellows Coordinator <i>Hulya Kirkici</i>
Assistant Newsletter Editor (ad-hoc) <i>Evelyn Licon</i>	Co-Webmaster (ad-hoc) <i>Brian Page</i>	

### **Conference Committee**

Conference Committee Chair <i>Joe Juisai</i>	Conference Committee Vice Chair <i>Stephen Hopkins</i>	Director Elect <i>Sonya Dillard</i>
Past Conference Committee Chair <i>Erik Ackerman</i>	Regional Student Activities Chair <i>Bailey Ulferts Heyman</i>	Conference Operations Specialist <i>Tamseel Syed</i> <i>Wyman Williams</i>
Treasurer <i>Joe Pennisi</i>	Former Region Director <i>Jim Conrad</i>	Industry Engagement Coordinator <i>Chan Wong</i> <i>John McDonald</i>
SoutheastCon2023, Orlando <i>Joe Juisai</i>	SoutheastCon2024, Atlanta <i>Alessio Medda</i>	SoutheastCon2025, Charlotte <i>Charles Lord</i>
SoutheastCon2026, Huntsville <i>Will Goins</i>		

### **Finance (FINCOM)**

Finance (FINCOM) Committee Chair <i>Joe Pennisi</i>	Director <i>Eric Grigorian</i>	Director Elect <i>Sonya Dillard</i>
Conference Committee Chair <i>Joe Juisai</i>	Past Director <i>Theresa Brunasso</i>	

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To contact any of the Executive Committee members, please go to  
<https://r3.ieee.org/about/#1587483863309-20f649fe-ca1d>

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## *IEEE Region 3 Executive Committee – 2024 (cont.)*

### **Section Support**

Section Support Chair <i>Kristin Bing</i>	Member Recruitment & Retention Coordinator <i>Patrick Kung</i>	Life Member Coordinator <i>Jacob Kulangara</i>
Young Professional Coordinator <i>Binesh Kumar</i>	Women in Engineering Coordinator <i>Ebonee Walker</i>	Senior Member Elevation Coordinator <i>Hermann Amaya</i>
Section Operations Specialist <i>Charles Lord</i>	Section Operations Specialist <i>Mark Torres</i>	Project Coordinator <i>Allen Jones</i>
Technical Activities Coordinator <i>Arup Ghosh</i>	Educational Activities Coordinator <i>Damith Wickramamayake</i>	

### **Nominations and Appointments**

Nominations & Appointments Chair <i>Theresa Brunasso</i>	Past-Director <i>Jim Conrad</i>	Past-Director <i>Jill Gostin</i>
Young Professional Coordinator <i>Binesh Kumar</i>		

### **Operational Audit**

Operational Audit Chair <i>Greg Vaughn</i>	Committee Member 1 <i>TBA</i>	Committee Member 2 <i>Damith Wickramamayake</i>
Committee Member 3 <i>Steve Kemp</i>	Committee Member 4 <i>Arup Ghosh</i>	

### **Professional Activities**

Professional Activities Chair <i>Sharlene Brown</i>	Past PAC Chair <i>David Fillion</i>	IEEE-USA Career & Professional Development Rep <i>David Fillion</i>
Government Activities Coordinator (USA-GAC) <i>Lee Stogner</i>	Student Professional Awareness Coordinator <i>Bailey Ulferts Heyman</i>	

### **Strategic Operations & Support**

Strategic Operations & Support Chair <i>Dave Green</i>	SOSC Vice-Chair <i>Jill Gostin</i>	OAC Chair <i>Greg Vaughn</i>
Director (non-voting) <i>Eric Grigorian</i>	Director-Elect (non-voting) <i>Sonya Dillard</i>	Secretary (non-voting) <i>Pat Donohoe</i>
Treasurer (non-voting) <i>Joe Pennisi</i>		

### **Student Activities**

Student Activities Chair <i>Bailey Ulferts Heyman</i>	Student Activities Vice-Chair <i>Praveen Kumar</i>	Student Activities Past-Chair <i>Victor Basantes</i>
Student Representative <i>Kennedy Mays</i>	SAC Liaison to PAC <i>Bailey Ulferts Heyman</i>	SAC Advisor <i>Chase Battaglio</i>

### **Other**

Humanitarian Technologies Board— Region 3 Rep <i>Raj Gurupur</i>	Regional Vitality Coordinator <i>Sonya Dillard</i>	Admission and Advancement Committee <i>Hermann Amaya</i>
Education Activities Rep to EAB <i>Damith Wickramamayake</i>	Indust5ry Engagement Coordinators <i>Chan Wong</i> <i>John McDonald</i>	

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## *IEEE Conferences in Region 3*

### [2024 IEEE Computer Society Annual Symposium on VLSI \(ISVLSI\)](#)

1–3 July 2024| Knoxville, Tennessee | Event Format: In-person

**Sponsors:** IEEE Circuits and Systems Society, IEEE Computer Society

**Field of Interest:** Components, Circuits, Devices and Systems; Computing and Processing

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### [2024 46th Annual International Conference of the IEEE Engineering in Medicine and Biology Society \(EMBC\)](#)

15–19 July 2024| Orlando, Florida | Event Format: In-person

**Sponsors:** IEEE Engineering in Medicine and Biology Society

**Field of Interest:** Bioengineering

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### [2024 IEEE Sixth International Conference on DC Microgrids \(ICDCM\)](#)

5–8 August 2024| Columbia, South Carolina | Event Format: In-person

**Sponsors:** IEEE Power Electronics Society

**Field of Interest:** Power, Energy and Industry Applications

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### [2024 IEEE Research and Applications of Photonics in Defense Conference \(RAPID\)](#)

14–16 August 2024| Miramar Beach, Florida | Event Format: In-person

**Sponsors:** IEEE Photonics Society

**Field of Interest:** Photonics and Electrooptics

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### [2024 IEEE IAS Petroleum and Chemical Industry Technical Conference \(PCIC\)](#)

16–19 August 2024| Orlando, Florida | Event Format: In-person

**Sponsors:** IEEE Industry Applications Society

**Field of Interest:** Power, Energy and Industry Applications

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### [2024 IEEE IAS International Semiconductor Laser Conference \(ISLC\)](#)

29 September – 2 October 2024| Orlando, Florida | Event Format: In-person

**Sponsors:** IEEE Photonics Society

**Field of Interest:** Communications, Networking and Broadcast Technologies; Components, Circuits, Devices and Systems; Photonics and Electrooptics

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### [2024 Embedded Systems Week \(ESWEEK\)](#)

29 September – 4 October 2024| Raleigh, North Carolina | Event Format: In-person

**Sponsors:** Association for Computing Machinery - ACM; IEEE Circuits and Systems Society; IEEE Council on Electronic Design Automation

**Field of Interest:** Communication, Networking and Broadcast Technologies; Components, Circuits, Devices and Systems; Computing and Processing; Robotics and Control Systems

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### [2024 International Conference on Compilers, Architecture, and Synthesis for Embedded Systems \(CASES\)](#)

29 September – 4 October 2024| Raleigh, North Carolina | Event Format: In-person

**Sponsors:** Association for Computing Machinery - ACM; IEEE Circuits and Systems Society; IEEE Council on Electronic Design Automation

**Field of Interest:** Components, Circuits, Devices and Systems; Computing and Processing

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## *IEEE Conferences in Region 3*

### [2024 International Conference on Embedded Software \(EMSOFT\)](#)

29 September – 4 October 2024 | Raleigh, North Carolina | Event Format: In-person

**Sponsors:** Association for Computing Machinery - ACM; IEEE Circuits and Systems Society; IEEE Council on Electronic Design Automation

**Field of Interest:** Computing and Processing; Robotics and Control Systems

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### [2024 IEEE Conference on Electrical Insulation and Dielectric Phenomena \(CEIDP\)](#)

6–9 October 2024 | Auburn, Alabama | Event Format: In-person

**Sponsors:** IEEE Dielectrics and Electrical Insulation Society

**Field of Interest:** Engineered Materials

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### [2024 IEEE Visualization and Visual Analytics \(VIS\)](#)

13–18 October 2024 | Tampa, Florida | Event Format: In-person

**Sponsors:** IEEE Computer Society

**Field of Interest:** Computing and Processing

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### [2024 IEEE Nuclear Science Symposium \(NSS\), Medical Imaging Conference \(MIC\) and Room Temperature Semiconductor Detector Conference \(RTSD\)](#)

25 October – 2 November 2024 | Tampa, Florida | Event Format: Hybrid (In-person and Virtual)

**Sponsors:** IEEE Nuclear and Plasma Sciences Society

**Field of Interest:** Nuclear Engineering

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### [2024 IEEE BiCMOS and Compound Semiconductor Integrated Circuits and Technology Symposium \(BCICTS\)](#)

27-30 October 2024 | Fort Lauderdale, Florida | Event Format: In-person

**Sponsors:** IEEE Electron Devices Society; IEEE Microwave Theory and Technology Society; IEEE Solid-State Circuits Society

**Field of Interest:** Components, Circuits, Devices and Systems; Engineered Materials, Dielectrics and Plasmas; Fields, Waves and Electromagnetics; General Topics for Engineers; Photonics and Electrooptics; Power, Energy and Industry Applications

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### [SC24: International Conference for High Performance Computing, Networking, Storage and Analysis](#)

17–22 November 2024 | Atlanta, Georgia | Event Format: Hybrid (In-person and Virtual)

**Sponsors:** Association for Computing Machinery - ACM; IEEE Computer Society

**Field of Interest:** Computing and Processing

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### [2024 IEEE International Performance, Computing, and Communications Conference \(IPCCC\)](#)

22–24 November 2024 | Orlando, Florida | Event Format: In-person

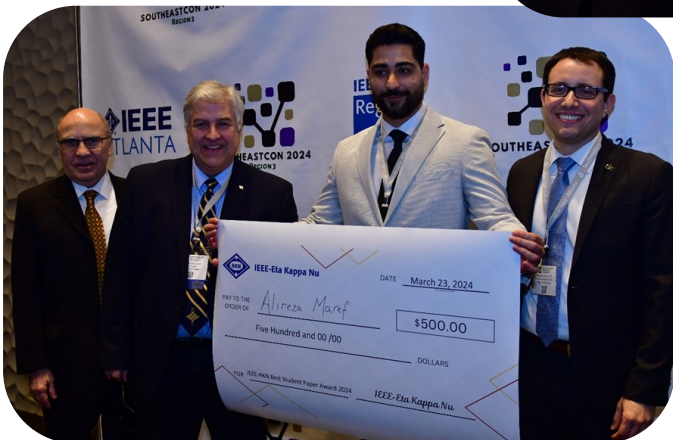
**Sponsors:** IEEE Computer Society

**Field of Interest:** Communications, Networking and Broadcast Technologies; Computing and Processing

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