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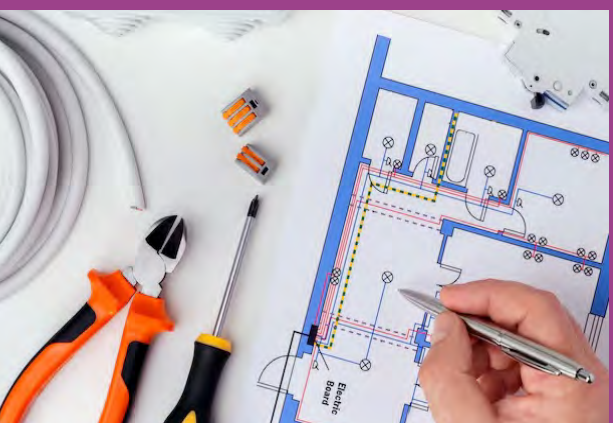


LONG ISLAND SECTION

# THE PULSE

2025 YEAR IN REVIEW

OF LONG ISLAND



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Dear IEEE Long Island Section members,

I would like to thank the 2025 Section Officers, ExCom and everyone else who contributed to the Section initiatives this year. Your continued support is essential to the strength and sustainability of our Section and it is truly appreciated.

As this is the final 2025 issue of *The Pulse of Long Island* newsletter, we are pleased to present a “year in review” edition highlighting many of the events and initiatives we hosted throughout the year. Thank you again to all who played a role in bringing these efforts to life.

*In this year-issue, check out:*

- **IEEE Consultants Network of Long Island’s Monthly Event** on page 5
- **IEEE LI Member Networking Events** on page 5
- **IEEE LI Section Year-in-Review** highlights on pages 6 and 7
- **IEEE LI Student Branches Year-in-Review** retrospective on pages 8 - 12

This is also the time of year to renew your IEEE membership. You should have received a reminder from the IEEE. The online renewal process is now simpler than ever - check it out at [iee.org/renew](https://iee.org/renew).

Wishing you and your families a wonderful holiday season.

Warm regards,



**Rhonda Green**  
2025 Chairwoman  
IEEE Long Island  
[chair@ieee.li](mailto:chair@ieee.li)



**IEEE**



LONG ISLAND SECTION



*The Pulse of Long Island* is produced by the Long Island Section of the **Institute of Electrical & Electronics Engineers**.

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### THE IEEE LONG ISLAND SECTION WEBSITE

The IEEE LI Section website is regularly updated to reflect recent section activity and upcoming events. Each Society and Affinity Group has a dedicated page that describes their function and includes contact information.

[www.consult-li.com](http://www.consult-li.com)

### CONSULTANT'S NETWORK OF LONG ISLAND

The Consultant's Network of Long Island maintains a referral service of engineering, computer, managerial and technical professionals.

[membership@ieee.li](mailto:membership@ieee.li)

### MEMBERSHIP DEVELOPMENT

For more information on membership with the LI Section of the IEEE, e-mail John Schmidt at: [membership@ieee.li](mailto:membership@ieee.li)



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LONG ISLAND SECTION

THE IEEE LONG ISLAND SECTION HAS 19 CHAPTERS. EACH CHAPTER IS A TECHNICAL SUBUNIT OF THE LI SECTION, ASSOCIATED WITH AN IEEE SOCIETY. THE CHAPTERS, AS WELL AS THE SECTION, ARE ALWAYS WELCOMING VOLUNTEERS. IF YOU WOULD LIKE TO HELP WITH ANY OF THE CHAPTER'S STEERING GROUPS, PLEASE CONTACT THE RELEVANT CHAPTER CHAIR, VICE CHAIR, OR ONE OF THE SECTION OFFICERS.

 <p><b>AEROSPACE &amp; ELECTRONIC SYSTEMS SOCIETY (AES)</b> Chair: <b>Dave Mesecher</b> Email: <a href="mailto:aes@ieee.li">aes@ieee.li</a></p>	 <p><b>ANTENNAS AND PROPAGATION SOCIETY (APS)</b> Chair: <b>Sai Padmanabhan</b> Email: <a href="mailto:ap@ieee.li">ap@ieee.li</a></p>	 <p><b>CIRCUITS AND SYSTEMS SOCIETY (CAS)</b> Chair: <b>James Colotti</b> Vice Chair: <b>Pawel Janczykowski</b> Email: <a href="mailto:cas@ieee.li">cas@ieee.li</a></p>	 <p><b>COMMUNICATIONS SOCIETY (COMSOC)</b> Chair: <b>Howard Hausman</b> Vice Chair: <b>Tony Bowden</b> Email: <a href="mailto:communications@ieee.li">communications@ieee.li</a></p>
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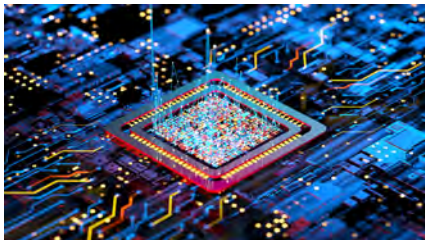




IEEE  
CONSULTANTS  
NETWORK OF  
LONG ISLAND

The **IEEE Consultants Network of Long Island (LICN)** is a nonprofit professional organization affiliated with the Institute of Electrical and Electronics Engineers. Our members include 40-plus electrical, electronic, mechanical and software engineers with expertise in more than 65 business and technology categories. The LICN meets on the first Thursday of each month for networking and presentations by featured speakers who address front-burner technology and business issues.

Our next gathering is scheduled for January 8, 2026 (*see below*) – but you can review some of our exciting past sessions right now to see firsthand the benefits of joining us each month!



THURSDAY, JANUARY 08, 2026  
**COMPUTER TECHNOLOGY UPDATES III**

MEETING TIME: 7:00 pm

ONLINE EVENT: (via Zoom)

REGISTRATION: Please register on [meetup.com](https://www.meetup.com) to obtain the Zoom link.

Technology is evolving faster than ever—and keeping up can feel overwhelming. Join us for Computer Technology Updates III, the latest installment in our long-running series designed to demystify the rapid changes reshaping the digital world. Whether you're an everyday user, an IT professional, or simply tech-curious, this presentation will help you cut through the jargon and understand what truly matters.



The **IEEE Long Island Member Networking Events** were a big hit this year. The first-Monday-of-every-even-month gatherings, organized by James Colotti, CAS and EMCS Chair, always provide a relaxed environment, a cash bar and plenty of delicious free food – plus terrific networking opportunities with old friends, new colleagues and other like minded professionals.



A full slate of 2026 Member Networking events is on tap, with times and locations provided to all who register. Make sure you tell the engineering students in your life – a great chance for them to rub elbows with practicing engineers (and build new IEEE LI momentum!).



## INTERNATIONAL CONFERENCE ON ENGINEERING TECHNOLOGY AND MANAGEMENT (ICETM 2025)

The **IEEE Long Island Section** partnered with Amity University to become a Technical Co-sponsor for **ICETM 2025**. The two-day conference, held at Fairleigh Dickinson University in Madison, New Jersey included compelling panel discussions featuring distinguished academicians and industry leaders, sparking insightful conversations on the evolving landscape of engineering, technology, and management. Technical paper presentations from researchers and professionals around the globe, sharing innovative research and groundbreaking ideas.



With the blessings of Honorable Founder President Sir, Dr. Ashok K. Chauhan, and visionary leadership of Chancellors, Dr. Aseem Chauhan and Dr. Atul Chauhan, ICETM 2025 reflected Amity's commitment to global excellence in education and research. The event was graced by the presence of Prof. (Dr.) Gurinder Singh, Group Vice Chancellor, Amity University, and Dr. Balvinder Shukla, Vice Chancellor, IEEE Long Island Section Chair, Rhonda Green and the dedicated team from India whose efforts, coordination, and passion were instrumental in the grand success of the conference.



## YOUNG PROFESSIONALS AUTUMN MeetUp

Newly installed YP Chair, Brian Tacuri, received IEEE Young Professionals Local Activity Funding to host an event. The YP Autumn Meetup was held at Top Golf in Holtsville.

**IEEE Young Professionals** is an community of enthusiastic, dynamic, and innovative members and volunteers. IEEE LI section is committed to helping young professionals evaluate their career goals, polish their professional image, and create the building blocks of a lifelong and diverse professional network.

IEEE LI Section Young Professionals is open to Graduate Students and higher-grade members with early career interests and provides career resources & helps members leverage the power of the global network through its expanding Affinity Groups and volunteer opportunities.





## LONG ISLAND POWER ELECTRONICS SYMPOSIUM AND EXHIBITION



Featuring professionals from across myriad power-electronics sectors, the seventh-annual **Long Island Power Electronics Symposium and Exhibition** was held November 6, 2025, at the Hauppauge Radisson.

More than 75 companies showcased their products and services in an exhibit hall packed with attendees. The symposium also included three technical lecture tracks (with 12 technical lectures approved for PDH credit), a complimentary networking lunch and a keynote address by Vikas Teotia of Brookhaven National Laboratory's Superconducting Magnet Division, titled "Superconducting Magnets for Particle Accelerators."

The yearly symposium attracted roughly 540 participants, including lecturers, exhibitors and general attendees.



## COMMENTS FROM EXHIBITORS AND ATTENDEES

“Great job in establishing more room for exhibitors and foot traffic. There was a variety of new inquiries, which helps us as a manufacturer determine what investments to make for the future.”

**Anthony Gallucci, Glenair**

“The IEEE LI Power Electronics Symposium offered an excellent opportunity to meet and interact with representatives of industry giants, learn about their products and connect with engineers and enthusiasts in the field of power electronics.”

**Sethu Madhavan, LSI CSI**

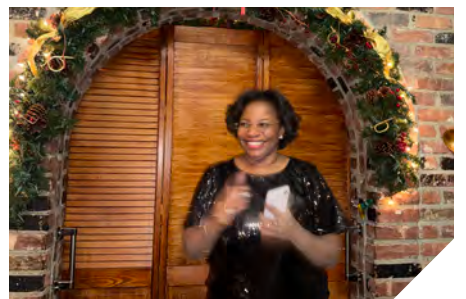
“The 2025 event was excellent! This is one of the best-organized events we attend for IEEE shows. The entire day... we had great conversations with existing and new potential customers.”

**Jim Barsaloux, Keysight**





The IEEE Long Island Section closed out a remarkable year with its annual Holiday Party at Absolutely Mario's. Section Officers, members, students, and first-time attendees gathered for an evening of great food, lively conversation, and holiday cheer. Hosted by Section Chair Rhonda Green, the event celebrated the dedication of the executive committee, chapter leaders, and volunteers whose time and service continue to strengthen our technical community. With expanded programs and continued support for students, the Section looks ahead to 2026 with momentum and optimism.







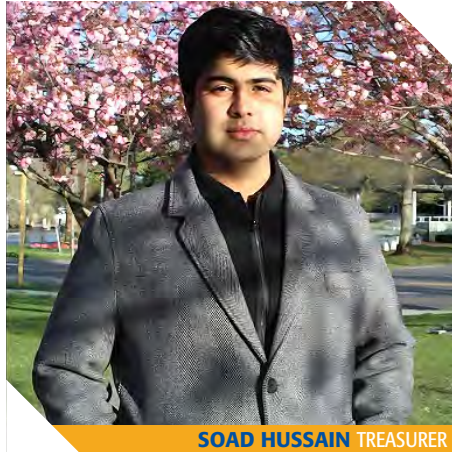
IEEE

STUDENT  
BRANCH

**THE IEEE NYIT STUDENT BRANCH IS DEDICATED TO CREATING AN ENGAGING, HANDS-ON LEARNING COMMUNITY FOR ENGINEERING STUDENTS THROUGH A DIVERSE LINEUP OF TECHNICAL WORKSHOPS, OUTREACH PROGRAMS, LEADERSHIP OPPORTUNITIES AND COMPETITIVE TEAM ACTIVITIES.**

Each semester, we host soldering workshops where students practice circuit assembly, component identification and safe laboratory techniques. Our microcontroller workshops – including the Arduino Door Lock system, Arduino- based EKG monitor, and Raspberry Pi Gameboy – provide students with practical experience in embedded systems, wiring, coding fundamentals and real- world prototyping.

To further support student innovation, we run KiCad PCB design workshops that guide participants through schematic design, board layout, trace routing and preparing files for manufacturing. In addition to technical sessions, our branch hosts regular e-board meetings where student leaders collaborate on event planning, budgeting, outreach and documentation, helping members build essential leadership, communication and project-management skills that strengthen their résumés and prepare them for future internships.



SOAD HUSSAIN TREASURER

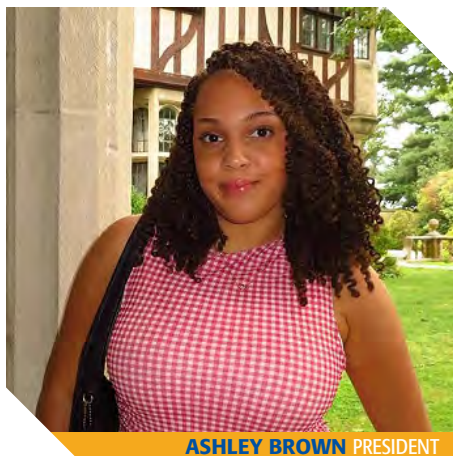


GABRIELLE ALI SECRETARY



MANMEET MULTANI VICE PRESIDENT

Students also gain valuable professional experience outside of the classroom by volunteering at VEX Robotics competitions in local high schools, assisting teams, judging events and mentoring younger students – an effort that earned us Volunteer of the Year honors. We also host ongoing Micromouse competition training sessions where students work together on sensor integration, motor control and maze-solving algorithms before participating in regional events.



ASHLEY BROWN PRESIDENT



THOMAS MARKOWSKI SENATOR

Through these activities, IEEE NYIT fosters strong student engagement by providing practical skill-building opportunities, hands-on experience with industry-relevant tools, and a supportive environment where members can learn, grow and advance their professional development.



**IEEE**

STUDENT  
BRANCH

**HOFSTRA UNIVERSITY LAMBDA XI CHAPTER** THE LAMBDA XI CHAPTER OF IEEE-HKN AT HOFSTRA UNIVERSITY HAS BEEN ACTIVE FOR MORE THAN 10 YEARS. AS A CHAPTER WE REACH OUT TO LOCAL SCHOOLS TO INTRODUCE ENGINEERING AND IEEE-HKN STAY ACTIVE WITHIN THE COMMUNITY THROUGH CONFERENCES AND CONTRIBUTE TO THE SCIENTIFIC COMMUNITY THROUGH RESEARCH.



IEEE-HKN 2025 KEY CHAPTER STUDENTS



IEEE-HKN STUDENT LEADERSHIP CONFERENCE

Hofstra University has an active presence for electrical/electronics and computer engineering students through its DeMatteis School of Engineering and Applied Science, supporting student involvement with the global IEEE via related groups like Upsilon Pi Epsilon (UPE), offering numerous scholarships (including specific for engineering), and providing internship/co-op opportunities, with resources like the iAM Program and ASPIRe for STEM support and research. While a direct "Hofstra IEEE Student Chapter" might link to these broader resources, students engage with IEEE-affiliated honor societies and opportunities for technical growth and career development.



IEEE-HKN STUDENT LEADERSHIP CONFERENCE



IEEE-HKN 2025 KEY CHAPTER STUDENTS





Stony Brook  
University



IEEE

STUDENT  
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THE IEEE STUDENT BRANCH AT STONY BROOK UNIVERSITY IS A STUDENT-LED PROFESSIONAL ORGANIZATION FOCUSED ON HELPING STUDENTS PREPARE FOR THEIR CAREERS IN ELECTRICAL, COMPUTER, AND SOFTWARE ENGINEERING, AND RELATED FIELDS. OUR MISSION IS TO FURTHER THE PRACTICE OF ENGINEERING AND FORM A STRONG COMMUNITY OF ENGINEERS COMPOSED OF STUDENTS, STAFF, AND FACULTY BY HOSTING SEVERAL PROFESSIONAL, ACADEMIC, TECHNICAL, AND SOCIAL EVENTS.



SEAN KANE PRESIDENT



JULIA XUE VICE PRESIDENT



NATALIE SID SECRETARY



ANDY LAM TREASURER

This has been a very successful year for **IEEE's Stony Brook University Student Branch**. Over the course of 2025's Spring and Fall semesters, we were able to hold more than 15 events for our student body, including company tours, social events and workshops.

Among our most successful events was the **R1/R2 2025 Student Conference**, which attracted more than 300 attendees with 20 different workshops, competitions and panels across three days. The conference also featured a keynote speech from 2023 IEEE President Saifur Rahman.



LISUL ELVITIGALA MICROMOUSE LEAD



SAMMY RASHEED LAB MANAGER



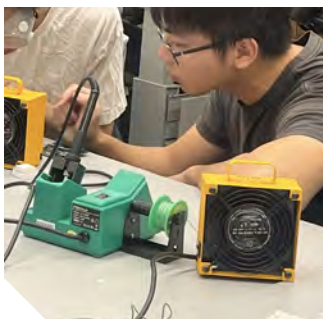
ANDREA DONG PR DIRECTOR



KYLE HAN 2025 STUCON CO-CHAIR



PRESIDENT SPRING 2025



Other notable events that we have held this year include our **Student Professor Mixer**, multiple Open Project Space workshops, soldering workshops, Micromouse workshops, course-review sessions, engineering-themed escape rooms and participation in **Micromouse competitions**.



IEEE



LONG ISLAND SECTION





Stony Brook  
University



IEEE

STUDENT  
BRANCH

## THE STONY BROOK UNIVERSITY IEEE MICROMOUSE TEAM ACHIEVED OUTSTANDING SUCCESS AT THE 2025/26 MIT MICROMOUSE COMPETITION!



The team earned a **Best Design** award and a **second-place finish in the Best Run** competition, out of more than 15 teams representing MIT, Carnegie Mellon, Rutgers, the Stevens Institute of Technology and other universities. Stony Brook competed with two custom-designed robots – “Ratawoulfie” and “Jurababa” – featuring carbon-fiber chassis, custom PCB, cascading PID control, multicore processing and continuous sensor feedback. Before the MIT competition, the team spent months refining both the hardware and software of the robot as well as testing their robots on a customized 5-by-5 maze.

Micromouse is a team-based competition centered around autonomous robots capable of navigating an unknown maze – a race to the center using sensors, motors and maze logic. Through these accolades, Stony Brook University continues to establish itself as a regional leader in electronics and robotics, with Micromouse allowing students to explore mechanical design, embedded systems and automated control. We would like to thank IEEE Long Island for supporting our trip!



## IEEE REGION 1 & 2 STUCON 2025: A RESOUNDING SUCCESS!



STUCON MICROMOUSE COMPETITION JUDGES



STUCON MICROMOUSE COMPETITION



DR. SAIFUR RAHMAN, IEEE PRESIDENT (2023)



STUCON AWARDS DINNER



STUCON AWARDS DINNER



STONY BROOK UNIVERSITY STUDENT BRANCH



WELCOME TO THE IEEE EVENT



STUDENT / PROFESSOR MIXER





STUDENT BRANCHES

## THE THIRD ANNUAL MICROMOUSE OF LONG ISLAND COMPETITION:

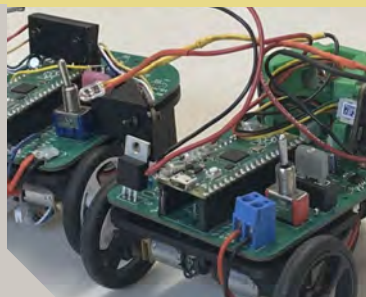
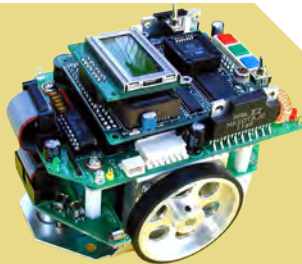
On May 9, 2025, Stevens Institute of Technology Micromouse team established a Micromouse Region 1,2 record run of 14 sec in a 16 x 16 maze at the **Micromouse of Long Island 2025 Competition** at NYIT, Old Westbury, NY. Micromouse of Long Island 2025 was the 3rd annual Micromouse event sponsored by the Long Island Section of the IEEE.

The run was applauded by the students from 5 attending schools, NYIT OW, NYIT NYC, Stony Brook University, Rutgers University, & Stevens Institute of Technology. 8 teams comprised of 27 students competed in four events; Micromouse, Labyrinth Race, Mouse Track, and Best Presentation.

Also, Stony Brook University and Rutgers University became eligible to receive \$250 each as part of the \$3,000 grant awarded to MM25 earlier this year for their participation in the Mouse Track event.



### MICROMOUSE COMPETITION RESULTS



### MICROMOUSE

**1ST PLACE:** Stevens Institute of Technology  
**2ND PLACE:** Stony Brook University  
**3RD PLACE:** Rutgers University

### LABYRINTH RACE

**1ST PLACE:** Stevens Institute of Technology  
**2ND PLACE:** Rutgers University  
**3RD PLACE:** NYIT Old Westbury

### MOUSE TRACK-BASIC

**1ST PLACE:** Stevens Institute of Technology  
**2ND PLACE:** Rutgers University

### BEST PRESENTATION

**1ST PLACE:** Stevens Institute of Technology  
**2ND PLACE:** Rutgers University  
**3RD PLACE:** Stony Brook University

### IEEE REGION 1,2 MICROMOUSE RUN RECORD

Stevens Institute of Technology Sets IEEE Region 1,2 Record In Micromouse Competition. Time To Goal: **14 Seconds**. In A Display of Mastery, The Stevens Robot Traveled To Goal And Returned To Start Multiple Times At Varying Speeds.

# IEEE MEMBERSHIP and MEMBER BENEFITS

IEEE membership offers access to technical innovation, cutting-edge information, networking opportunities, and exclusive member benefits. Members support IEEE's mission to advance technology for humanity and the profession, while memberships build a platform to introduce careers in technology to students around the world.



## JOIN IEEE OR RENEW YOUR MEMBERSHIP

Reach your full potential as part of the world's largest technology community. Join professionals, experts, and advisors who can help shape your career, offer resources to acquire new skills, and advance your professional development.



## MEMBER BENEFITS

As an IEEE member, you'll be presented with new resources, valuable opportunities, and many discounts that will help you advance your career in the right direction. You can find colleagues who share your vision and commitment—those who are moving technology forward today.



## ENHANCE YOUR MEMBERSHIP, JOIN AN IEEE SOCIETY

IEEE Societies provide members with opportunities to connect with experts and network with colleagues locally and abroad—all while staying up-to-date on technology and trends in their industry.



## GIFT OF MEMBERSHIP

IEEE membership delivers access to the industry's most essential technical information and provides networking opportunities both locally and globally. Members have the ability to stay current in their chosen profession, connect with peers, and invest in their future.



## MEMBER-GET-A-MEMBER

Consider sharing your IEEE membership experience and get rewarded for doing so. Through the Member-Get-a-Member (MGM) program, IEEE rewards your efforts in recruiting new members. Your local IEEE Section can also benefit.



## IEEE.tv

Made possible by IEEE members, IEEE.tv is an award-winning, Internet-based television network, producing special-interest programming about technology and engineering for IEEE members and the general public.

**Get access with new resources, valuable opportunities, and many discounts that will help you advance your career in the right direction.**

## WHEN YOU JOIN IEEE, YOU:

- Join a community of over 425,000 technology and engineering professionals united by a common desire to continuously learn, interact, collaborate, and innovate
- Get the resources and opportunities you need to keep on top of changes in technology
- Get involved in standards development
- Network with other professionals in your local area or within a specific technical interest
- Mentor the next generation of engineers and technologists and so much more.

**IEEE members can access information on local events and activities by signing in to myIEEE, the members' personalized gateway to IEEE membership. In addition, members can also:**

- Access individual Society memberships and subscriptions
  - Connect with local IEEE Sections and volunteer leadership
  - Find upcoming conferences
- Learn more about individual benefits
- Read the latest news from IEEE, IEEE Spectrum, IEEE Standards News, and The Institute

## No need to over-engineer this.

Satisfaction will increase with exclusive IEEE member discounts and insurance.

Special, low pricing creates high value for IEEE Members.\* Tap into exclusive member discounts on products and services from trusted brands.

\*Where available

Price  $\searrow$  Value

**Leverage your IEEE membership today!**  
Visit [ieee.org/discounts](http://ieee.org/discounts) and learn how this inverse relationship can be a proven formula.



*You've Always Set Yourself Apart. Now it's Time to make it Official. Nominate Yourself to become a...*

## IEEE SENIOR MEMBER



Being elevated to senior member recognizes people who have moved beyond entry-level work in their careers. It also encourages them to engage more broadly with engineers and other technical professionals in companies and universities outside their own. To be eligible for senior member status, members must have worked in a professional capacity in a technical field for at least 10 years. Educational experience is partially credited toward that time. Nominees must also have professional references from three IEEE senior members, Fellows, or honorary members. If you're interested in elevation, you don't have to wait to be nominated—you can nominate yourself.

>> **APPLY FOR SENIOR MEMBER GRADE**

## IEEE LIFE MEMBERS, *WRITE FOR THE PULSE!*



The Section is inviting you to record your stories and histories in our monthly publication, the *Long Island Pulse*. An article of approximately 300 – 350 words is recommended.

LET US HEAR FROM YOU.

Send your article to: [pulse@ieee.li](mailto:pulse@ieee.li)  
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The **IEEE Long Island Section** has held meetings with many of our Life Members and Senior Engineers, in recent months. Your stories and histories in engineering are interesting, inspiring and should be recorded for future generations. You have served your profession for many years, many have served our country in the military, many as engineers fighting the Cold War. The many contributions are the legacy to this new digital age, space age, environmental age and beyond.

### **WANTED: IEEE LIFE MEMBER NEEDED TO VOLUNTEER TO SUBMIT A MONTHLY HISTORY ARTICLE FOR THE PULSE**

The **PULSE** is seeking a IEEE LI Life Member to write the *Long Island Electrical & Electronic History* monthly article for the **Pulse**. If interested contact [pulse@ieee.li](mailto:pulse@ieee.li)

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**The Pulse of Long Island** is a newsletter for the members of the IEEE Long Island Section. You can let your voice heard by writing to the Editor. How to bring more value to our members? Interesting new technology, or a project? An issue of interest to members of the IEEE Long Island, Long Island engineers and computer professionals, or Long Island technical community at large? Write to the **Pulse**. Let your letter be read, and your voice heard.



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Send your letters or articles via email to [pulse@ieee.li](mailto:pulse@ieee.li). If selected for publication, the letter or article will be edited before being published.

## CONTRIBUTION DEADLINE:

20th of a month for the next month edition.



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