IEEE Students Overview

The professional home for the engineering and technology community worldwide

IEEE
Advancing Technology
for Humanity

IEEE in 2023 at a glance

Global Reach

450,000+ Members

190+ Countries

125,000+ Young Professionals

163,000+ Student Members

Data as of: November 2023

IEEE

IEEE in 2023 at a glance

Technical Breadth

2,000+ Annual Conferences

6M+ Technical Documents

200 Top-Cited Periodicals

1,300+ Active Standards

Data as of: November 2023

IEEE in 2023 at a glance

Educational Activities / ILN

Global Humanitarian Efforts / SIGHT

Social Impact

Climate and Sustainability Programs

MOVE Disaster Relief & Outreach

Ethics in Technology

Spotlight on Region 3:
Top 10 Sections – Total IEEE Membership

Rank	Section Name	February 2024	February 2023	Year-over-Year % Change
1	Atlanta Section	2,805	2,741	2.3%
2	Eastern North Carolina Sec.	2,156	2,091	3.1%
3	Florida West Coast Section	1,556	1,505	3.4%
4	Orlando Section	1,017	918	10.8%
5	East Tennessee Section	860	852	0.9%
6	Huntsville Section	686	669	2.5%
7	Central Tennessee Section	683	656	4.1%
8	Alabama Section	631	625	1.0%
9	Richmond Section	628	629	-0.2%
10	Charlotte Section	584	563	3.7%

Spotlight on Region 3:
Top 10 Sections – Total Student Membership

Rank	Section Name	February 2024	February 2023	Year-over-Year % Change
1	Atlanta Section	419	370	13.2%
2	Eastern North Carolina Sec.	236	217	8.8%
3	Florida West Coast Section	217	180	20.6%
4	Orlando Section	210	127	65.4%
5	Central Tennessee Section	157	121	29.8%
6	Virginia Mountain Section	145	165	-12.1%
7	Gainesville Section	110	97	13.4%
8	Alabama Section	105	90	16.7%
9	Piedmont Section	100	72	38.9%
10	East Tennessee Section	97	95	2.1%

Region 3 Student Branch Reporting

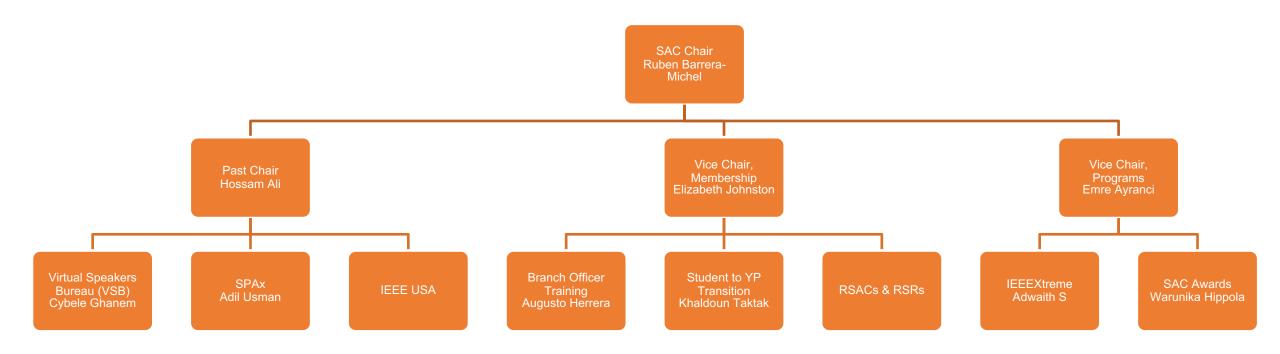| Year	# Student Branches	Annual Plan		4+ Events Reported		Chair Reported		Qualified for Rebate	
		#	%	#	%	#	%	#	%
2023	114	32	28%	18	16%	31	27%	15	13%
2024	102	44	42%	35	34%	73	70%	32	31%

We are not a social club in the University

Note: Several Student Branches were deactivated due to inactivity in 2023 which affects this data
Data as of 29 February 2024

IEEE

What is the Student Activities Committee

Mission: To deliver a common, high quality IEEE Student member experience globally, for lifelong, professional success through IEEE membership:

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                          SAC Chair
                          Ruben Barrera-
                          Michel
       ┌─────────────────────┼─────────────────────┐
  Past Chair            Vice Chair,            Vice Chair,
  Hossam Ali            Membership             Programs
                        Elizabeth Johnston     Emre Ayranci
 ┌────┼────┐        ┌──────┼──────┐         ┌─────┴─────┐
VSB   SPAx  IEEE   Branch  Student  RSACs &  IEEEXtreme  SAC Awards
      USA   Officer to YP   RSRs
```

| Virtual Speakers Bureau (VSB) Cybele Ghanem | SPAx Adil Usman | IEEE USA | Branch Officer Training Augusto Herrera | Student to YP Transition Khaldoun Taktak | RSACs & RSRs | IEEEXtreme Adwaith S | SAC Awards Warunika Hippola |

Membership dues

- Currently, studies are being conducted on different membership payment methods, whether by number of years, 1, 3, 5 for students and Young Professionals. The results will be available in the incoming weeks.
- MGA Approved the use of CB Accounts for Student Branches, Section should approve and will be the parent unit.

Who Are IEEE Students?

- IEEE Members who are carrying at least 50% of a normal full-time academic program as a registered undergraduate or graduate student in a regular course of study in IEEE designated fields

- 163,000+ IEEE Student Members

- 3600+ Student Branches
  - Made up of Student and Graduate Student Members associated with a university or school
  - IEEE Member faculty at School serve as counselors
  - Funded in part by rebates and membership dues

Student Members tell us what's important to them*

- Developing leadership skills

- Creating effective Resumes / CV's

- Building a professional network locally and globally

- Connecting with other students who have shared interests

- Mentoring opportunities

- Exposure to different technical fields through IEEE Societies

- Relationships with higher grade members via IEEE Sections

*Source: 2020 IEEE Member Segmentation Study

Valuable Resources available to IEEE Students

Virtual Speakers Bureau (VSB)

- Established in 2020, the Virtual Speakers Bureau (VSB) pairs Branches with volunteer speakers
- Student Branches can choose from over 500 topics
- Presentations are available in 17 languages
- Special Events are live streamed via IEEE.tv

SAC Training Series - Piloted 2023

- Training presented by volunteers on a variety of topics geared towards Students
- Variety of topics including Student Branch Counselor, Officer Training, Branding & Student Swag, Engaging Industry
- Videos available on IEEE.tv Students Channel and Student Branch Collabratec Workspace

Student Professional Awareness (SPAx)

- Provides funding for IEEE Student Branches to plan career-focused events
- Funds can be used to pay for food, venues, speakers, etc.

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Are You Reading Potentials Magazine?

Potentials is the only IEEE magazine for undergraduate and graduate student members that address global issues, career development, and other topics, emphasizing the value of continuing IEEE membership after graduation.
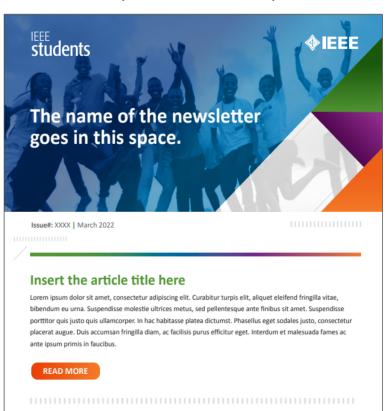

- **Students have the opportunity to author and publish articles**
- **Editorial Team includes a Student Member**
- **Relates theories to practical applications**
- **Generates international forums**
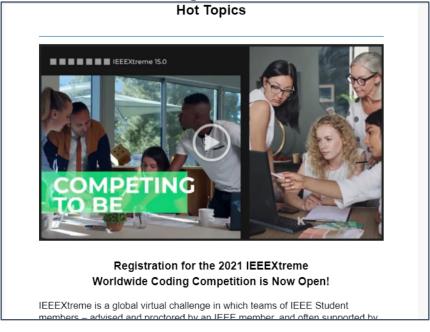- **Shares diverse ideas about engineering professions**

IEEE Student Branch Leadership Newsletter

This publication keeps Student Branch Leadership informed of what they need to run their organizations

Circulation 2022: 7,000+

Students Quarterly Newsletter

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Student Awards & Recognition

- **Larry K. Wilson Regional Student Activities Award**
Most extraordinary accomplishment associated with
Student Activities

- **IEEE Regional Exemplary Student Branch Award**
Exemplary IEEE Student Branch operations

- **The Darrel Chong Student Activity Award**
Host the most value-driven student activities around the world

- **Outstanding Branch Counselor and Branch Chapter Advisor Award**
Cash award to each of the approximately 20 outstanding Counselors
and Advisors at Student Branches and Chapters around the world

Engaging students with the IEEEXtreme coding competition

IEEEXtreme is a global challenge in which teams of 1-3 IEEE Student members compete in a 24-hour time span to solve sets of programming problems

- Started in 2006
- 2023 IEEEXtreme 17.0 by the numbers:
  - 16,500+ Students
  - 7,000+ Teams
  - 1,700+ Ambassadors
  - 750+ Student Branches
  - 2,300+ Proctors

- Look out for information on IEEEXtreme 18.0 in 2024!

Benefits of Connecting with Student Branch Chapters and Sections

- Facilitates the exchange of knowledge, resources, and opportunities among students, professionals, and academic institutions.

- Maintaining strong ties with Student Branches, student chapters can access guidance, mentorship, and organizational support essential for their growth and success.

- Being linked to Sections enables student chapters to tap into a broader professional community, enhancing collaboration, networking, and exposure to industry trends and practices. Ultimately,

- This structure empowers student members to thrive academically, professionally, and personally, laying a solid foundation for their future endeavors in the field of electrical and electronics engineering.

An IEEE Professional Section can support Student Activities and Student Branches in several ways:

1. **Mentorship and Guidance:** Professional members within the IEEE Professional Section can serve as mentors for students, offering guidance on academic and career-related matters. They can share their experiences, provide advice, and help students navigate their academic and professional journeys.

2. **Technical Talks and Workshops:** Professional Sections can organize technical talks, workshops, and seminars on various topics relevant to students' fields of study and interests. These events can provide students with opportunities to learn from industry experts, explore new technologies, and expand their knowledge beyond the classroom.

3. **Networking Events:** Professional Sections can host networking events where students can interact with professionals in their field, build connections, and explore potential internship or job opportunities. These events facilitate collaboration and knowledge exchange between students and professionals.

4. **Financial Support:** Professional Sections can provide financial support to Student Branches for organizing events, competitions, conferences, and other activities. This support can help alleviate the financial burden on students and enable them to execute impactful initiatives.

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An IEEE Professional Section can support Student Activities and Student Branches in several ways:

5. **Collaborative Projects:** Professional Sections and Student Branches can collaborate on projects, research initiatives, or community service activities. This collaboration fosters teamwork, encourages innovation, and allows students to gain practical experience while working alongside experienced professionals.

6. **Access to Resources:** Professional Sections can grant students access to resources such as technical publications, journals, and online libraries. This access enables students to stay updated on the latest developments in their field and enhances their academic and research endeavors.

7. **Recognition and Awards:** Professional Sections can recognize outstanding student achievements through awards, scholarships, or certificates. This recognition motivates students to excel in their academic pursuits and encourages active participation in IEEE activities.

Overall, the support and collaboration between IEEE Professional Sections and Student Branches create a conducive environment for learning, professional development, and personal growth among students pursuing careers in engineering and related fields
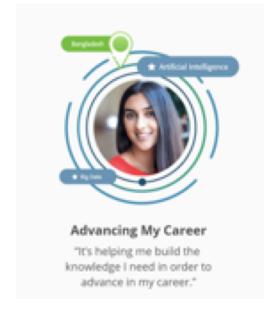
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Uniting the IEEE Global Technical Community

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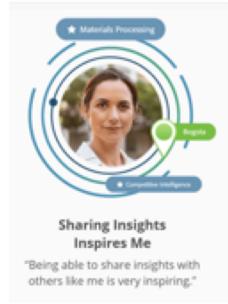
What is IEEE Collabratec?

▶ IEEE Collabratec is a global community of technology professionals, centered around conversations that are meaningful and productive. With Collabratec, you have support, inspiration, feedback, and a network you can rely on.

Advancing My Career
"It's helping me build the knowledge I need in order to advance in my career."

Networking with People All Over the World
"I've been able to network with people all over the world."

Sharing Insights Inspires Me
"Being able to share insights with others like me is very inspiring."

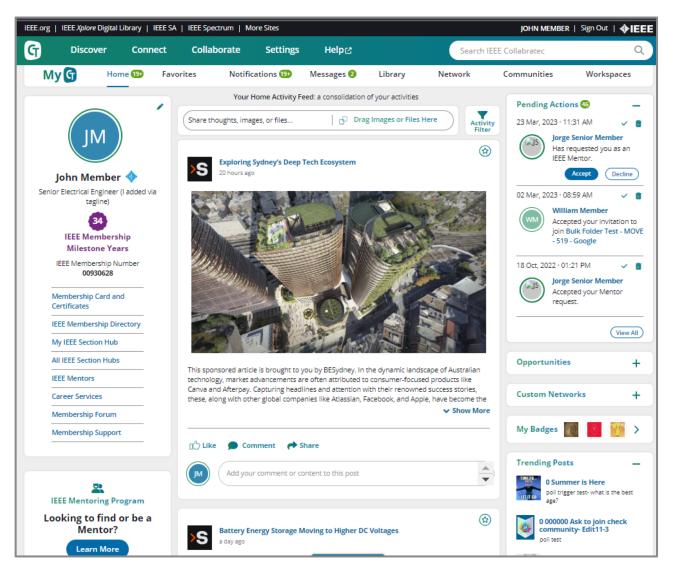**VIEW VIDEO:** https://youtu.be/Jy1vrITil3o

Find your community on IEEE Collabratec

- **collabratec network at 330,000+**

- **Newly upgraded interface in 2023**

- **Visit your or any IEEE Section Hub worldwide**

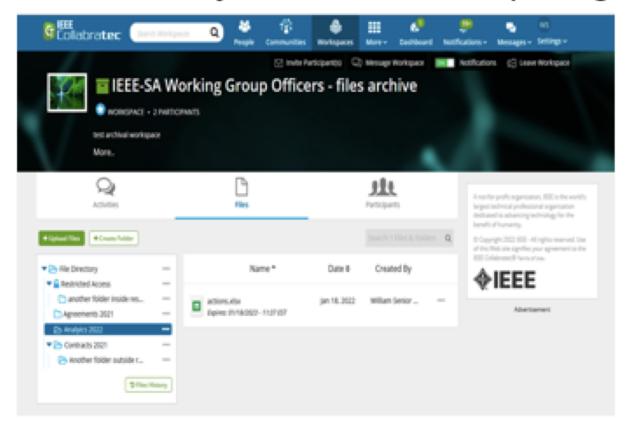- **Volunteer certificate available to download in a few months**

Archival Workspaces for Records Retention

- A new type of workspace on Collabratec, providing a secure location to store files, with automated retention time-periods.
- Designed to assist volunteers, IEEE Organizational Units (sections, chapters, etc) and staff with IEEE's Record Retention policy.
- Volunteers can create or join archival workspaces for their organizational units.
- Provisioned with a special restricted access folder only accessible by OU's Chair, Vice Chair, Secretary, and Treasurer.

- OU access is granted and removed automatically based on officer reporting

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Collabratec provides Members value not available elsewhere

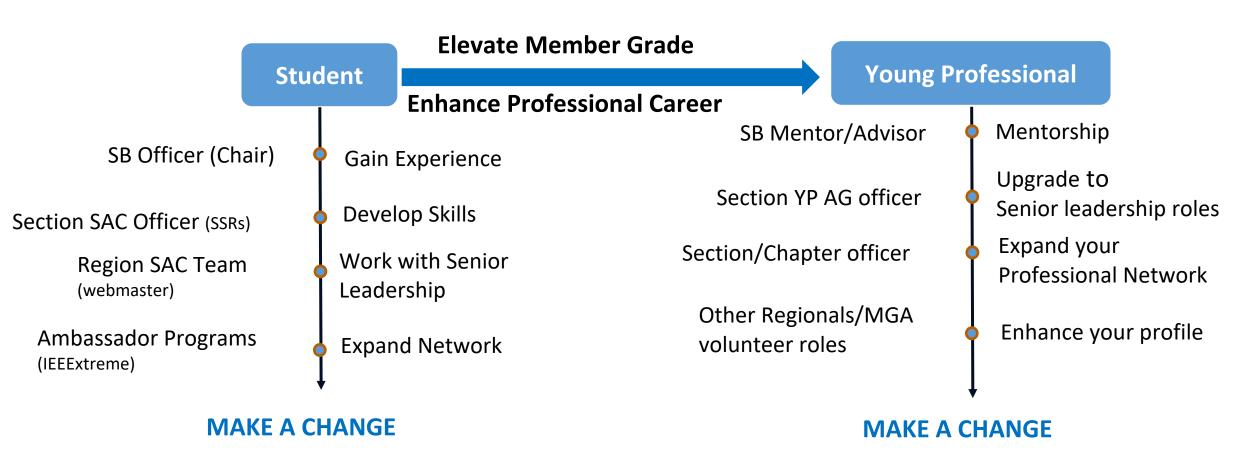| Capabilities / Services	Social Networks	Collabratec
Networking and collaboration tools	●	●
Individual / group messaging tools	●	●
Mobile optimized	●	●
Verified Member identity & directories of IEEE Members, Volunteers	○	●
Certificates of IEEE and Society membership	○	●
IEEE Section and Student Branch hubs	○	●
Personalized recommendations of IEEE offerings	○	●
IEEE data warehouse integration / IEEE-aligned analytics	○	●
Demonstrated impact on non-Member conversions, additive retention	○	●

$\diamondsuit$ IEEE

Collabratec delivers exclusive value to IEEE and Society Members as part of your membership

- **Verified identity** of IEEE and Society Members, Volunteers

- **Distinct recognition** badging for member grades, volunteer and mentor status

- **Personalized certificates** of IEEE and Society memberships

- **IEEE & Society Membership Directories**

- **Mentor / Mentee matching**

- **Virtual IEEE Section, Student Branch hubs**

- **Members Forum** community

- **Automated profile updating** for IEEE affiliations and volunteering

- **IEEE Contact Center chat**

Opportunities
Leadership Transitions

Student → Young Professional

Elevate Member Grade

Enhance Professional Career

Student

SB Officer (Chair)

Section SAC Officer (SSRs)

Region SAC Team (webmaster)

Ambassador Programs (IEEExtreme)

- Gain Experience
- Develop Skills
- Work with Senior Leadership
- Expand Network

MAKE A CHANGE

Young Professional

SB Mentor/Advisor

Section YP AG officer

Section/Chapter officer

Other Regionals/MGA volunteer roles

- Mentorship
- Upgrade to Senior leadership roles
- Expand your Professional Network
- Enhance your profile

MAKE A CHANGE

Staff Support

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