



IEEE Aerospace Electronic Systems VP Member Services

Lorenzo Lo Monte

2023 AESSE Officer Strategic Planning Meeting

14 and 16 February 2023

Princeton, NJ, USA





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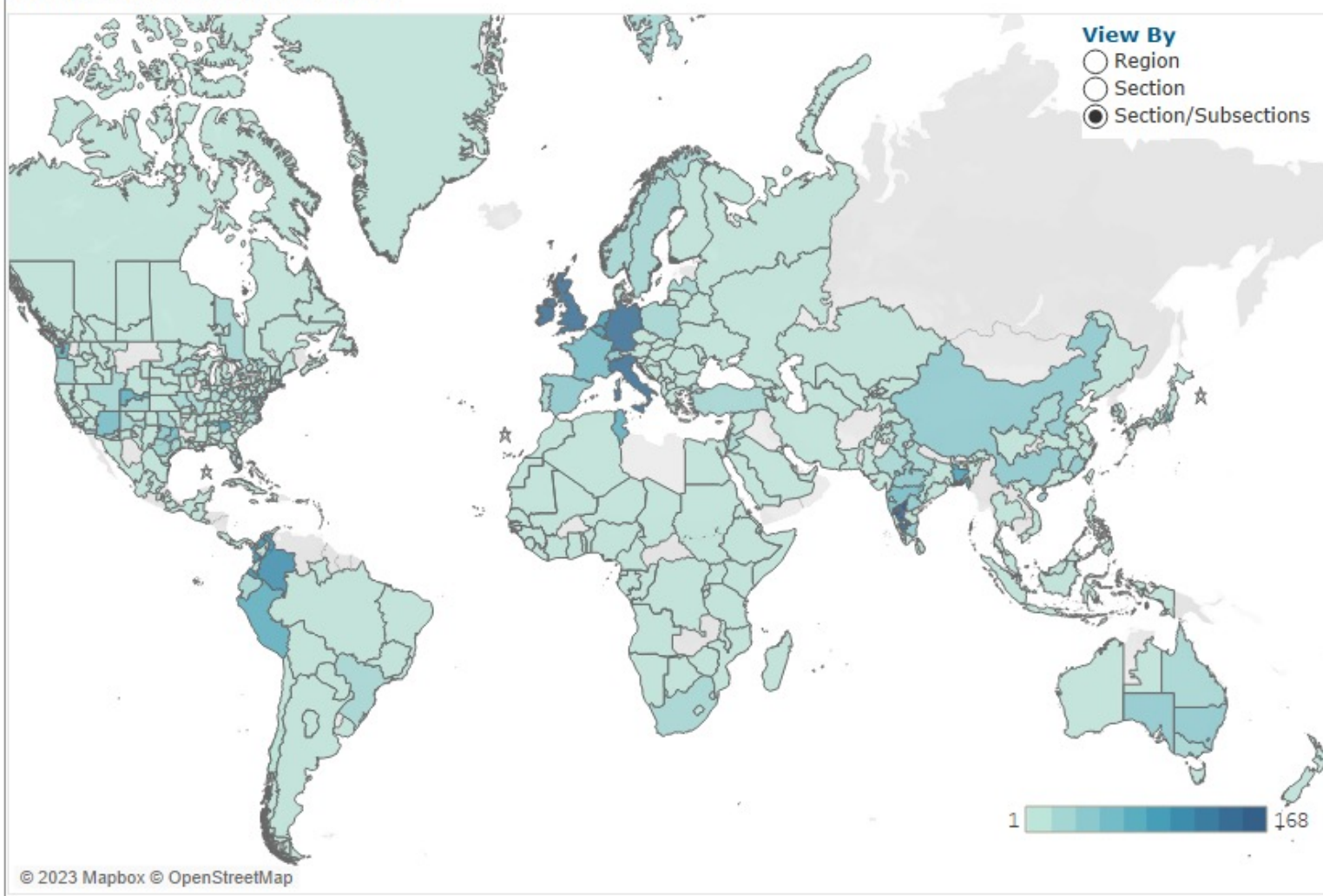


Puneet
Mishra



Philipp
Markiton

Membership Overview (2023)



IEEE Aerospace and Electr...

Top 10 Section/Subsections

Top N 10

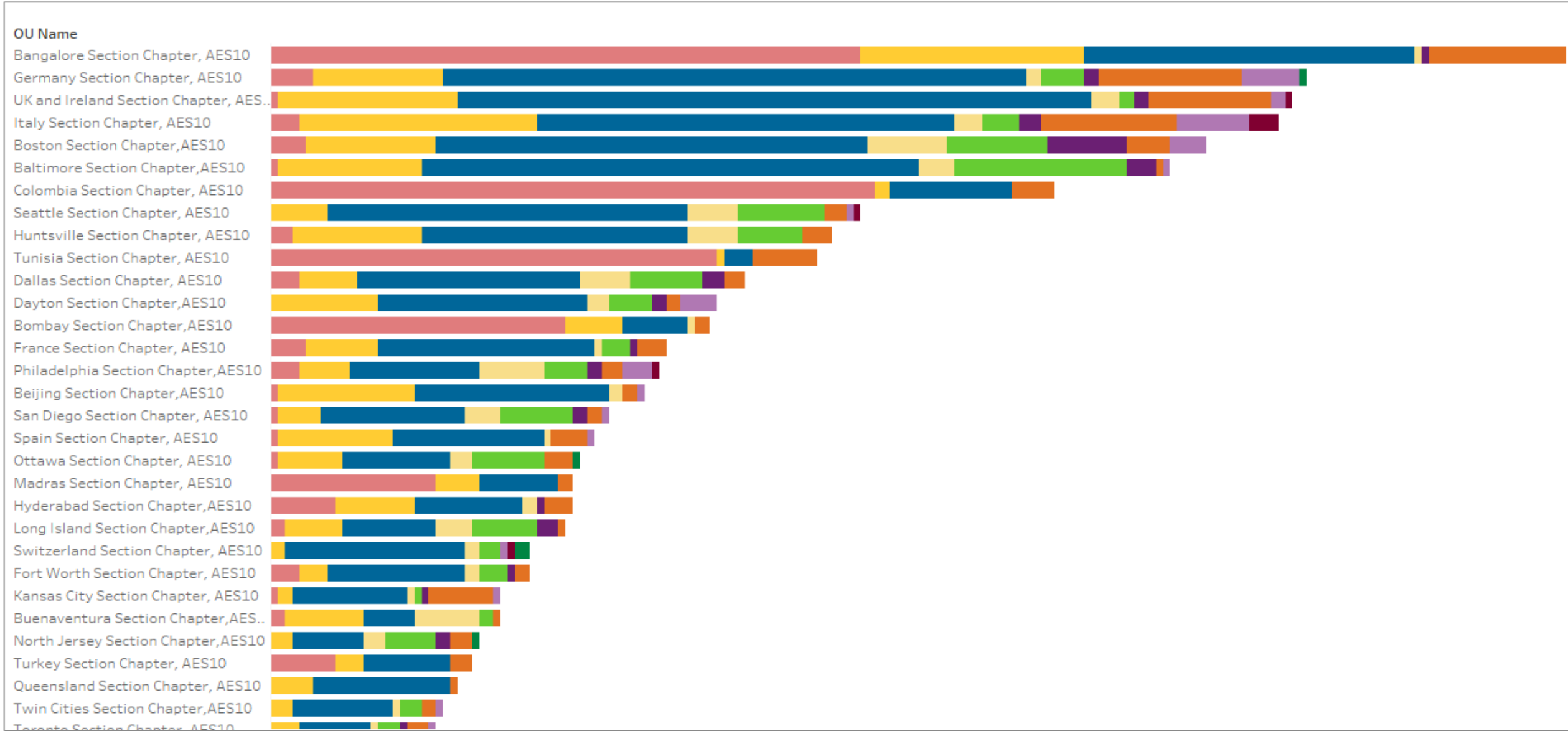


| | Female | Male | Unknown |
|---------------|--------|--------|---------|
| Total Members | 323 | 2,629 | 235 |
| % of Total | 10.13% | 82.49% | 7.37% |

Most Populous AESS Chapters

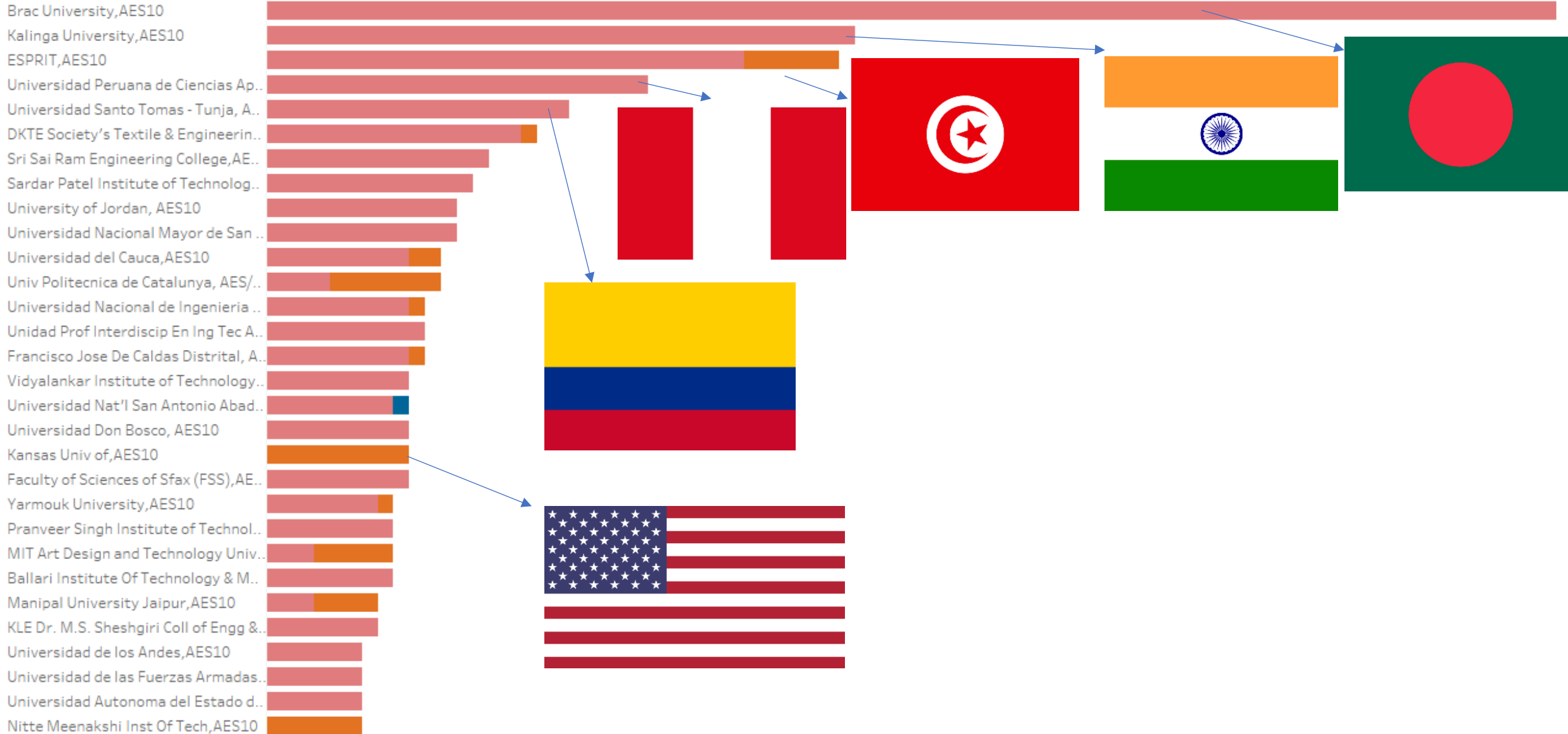


Student Member Senior Member Member Life Senior Life Member Life Fellow Graduate Stude.. Fellow Associate Mem.. Affiliate



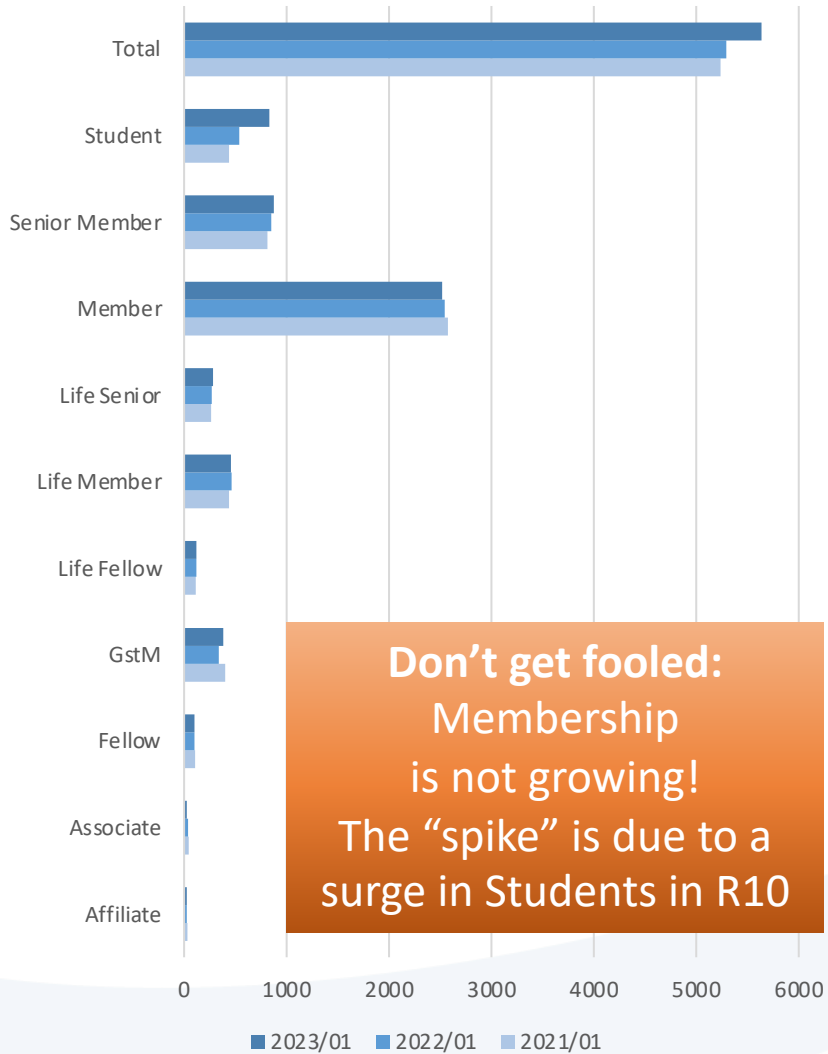
Most Populous Student Branch Chapters

OU Name

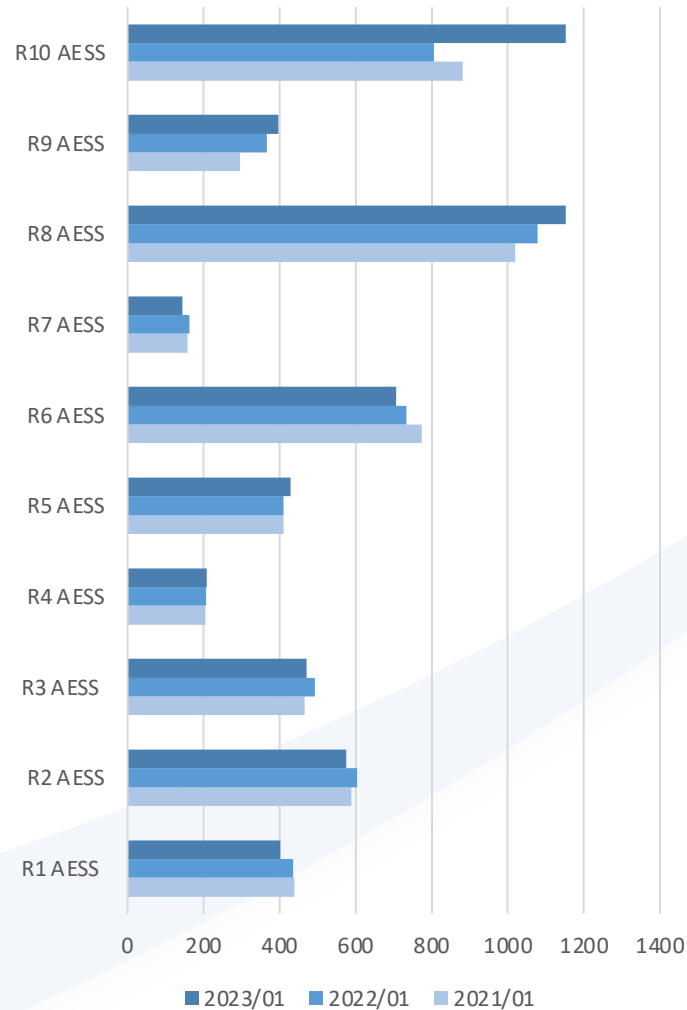


Membership Trends

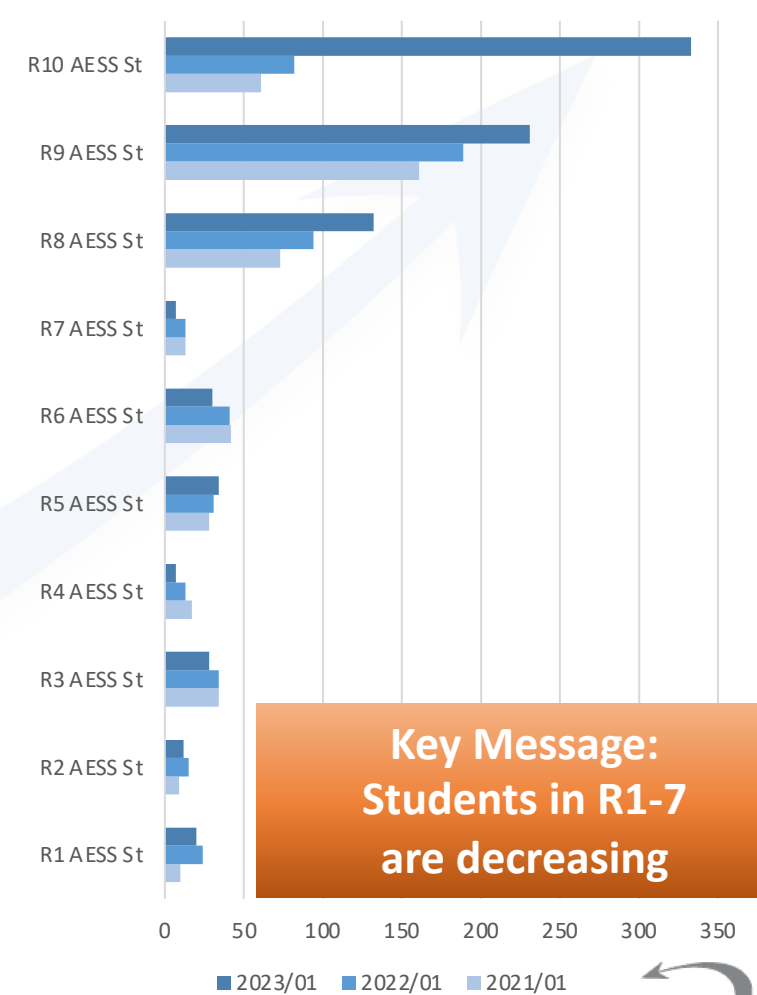
Membership Trend



Membership Trend by Region

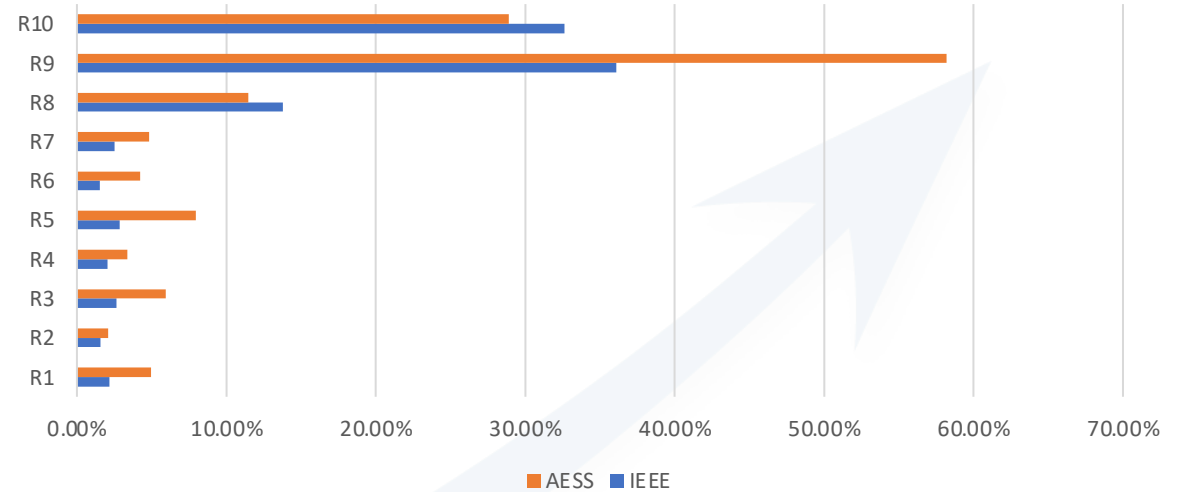


Student Membership Trend By Region

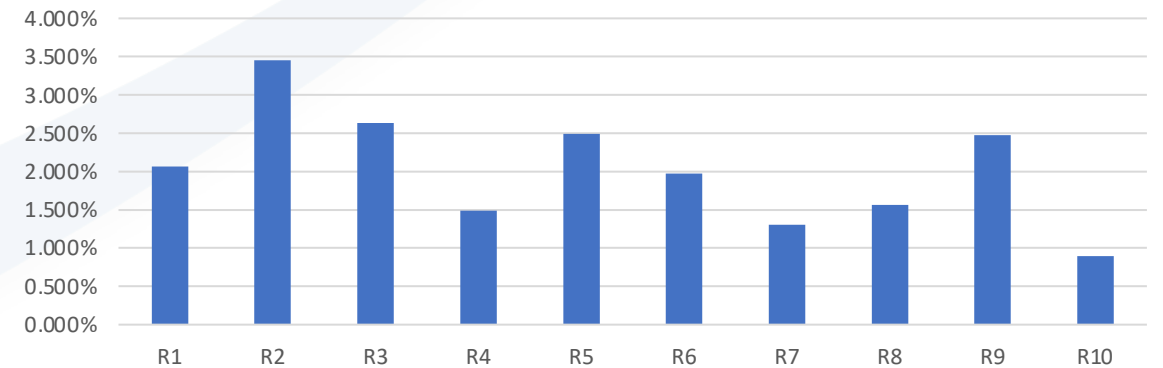


- Despite lack of students in R1-7, This is **IEEE-wide** issue
 - it is far more difficult to be handled as AESS alone...
- Despite already surging, R10 has the potential to grow even further

Membership Student Ratio

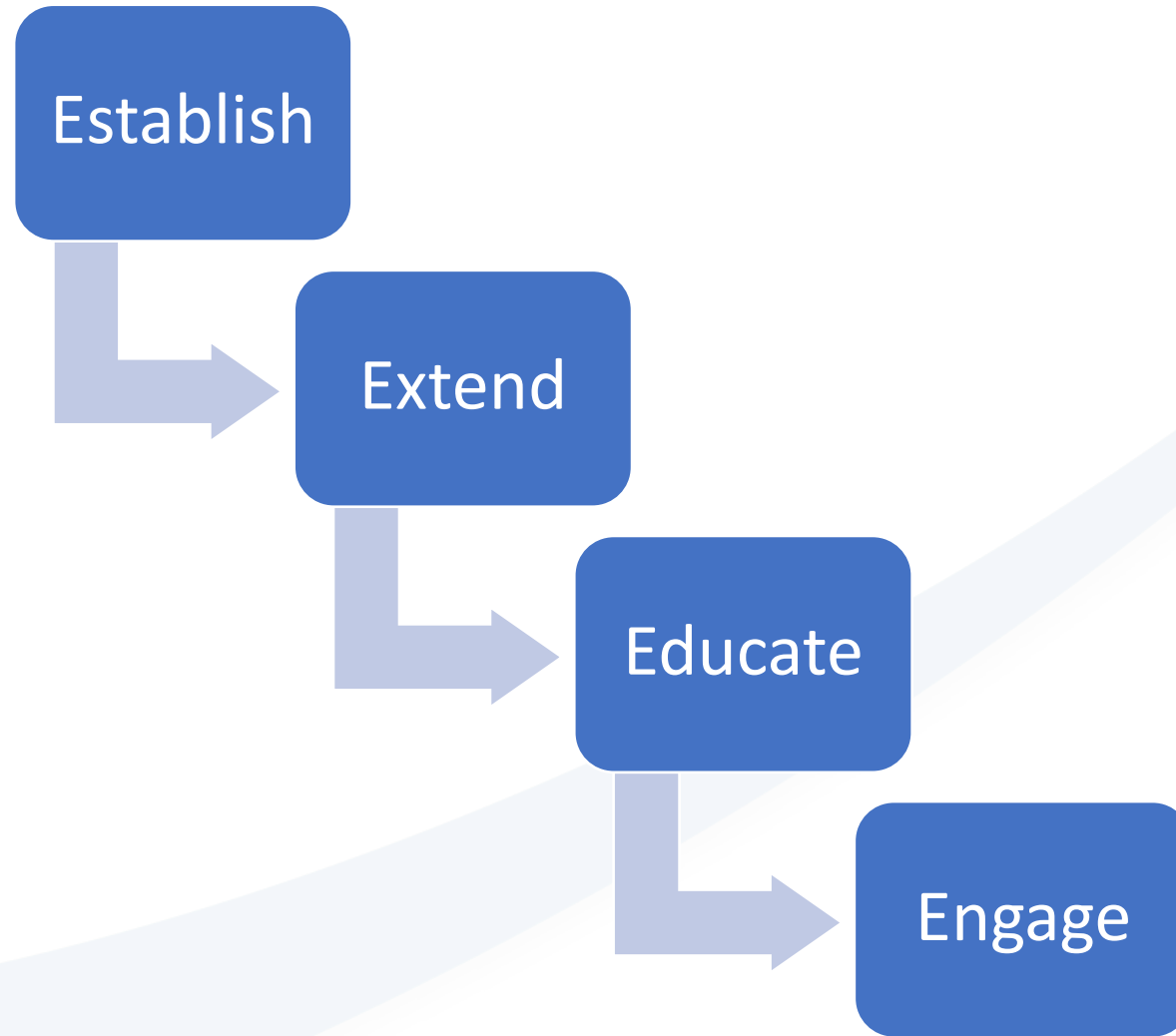


AESS/IEEE



- Grow the *number* of members steadily (2% per year)
 - A common objective for decades...
 - “Achieved” in absolute terms, but underperforming w.r.t. IEEE
- Grow the *happiness* of current members
 - Never been fully defined with metrics...
- Grow the number of *activities* per chapter
 - Never been a firm metric...

How? The 4 “E”



- Make sure that all our websites and sources of information are up to date, working, maintained, and easy to read
 - For instance: we have broken links with IEEE funding page / Chapter Manual

IEEE Society Chapter Funding Guide

The following list contains links to each Society's Chapter Funding information online update the information accordingly.

- [IEEE Aerospace and Electronic Systems Society](#)
- [IEEE Antennas and Propagation Society](#)
- [IEEE Broadcast Technology Society](#)

404

Uh-oh! This is not the web page you are looking for.

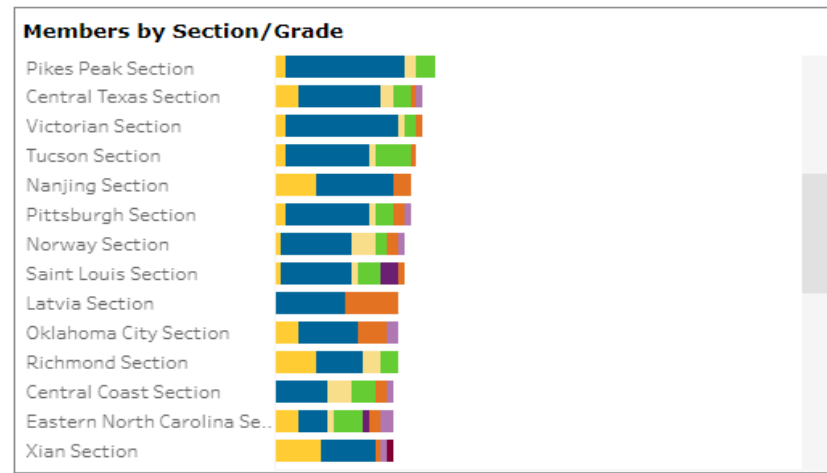
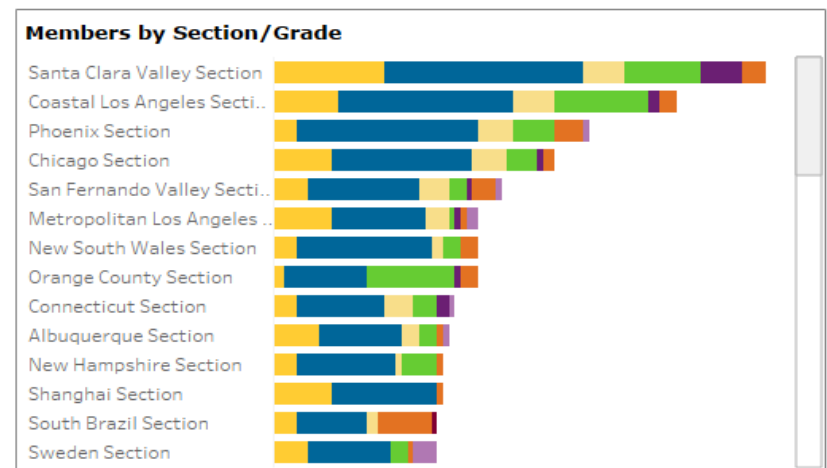
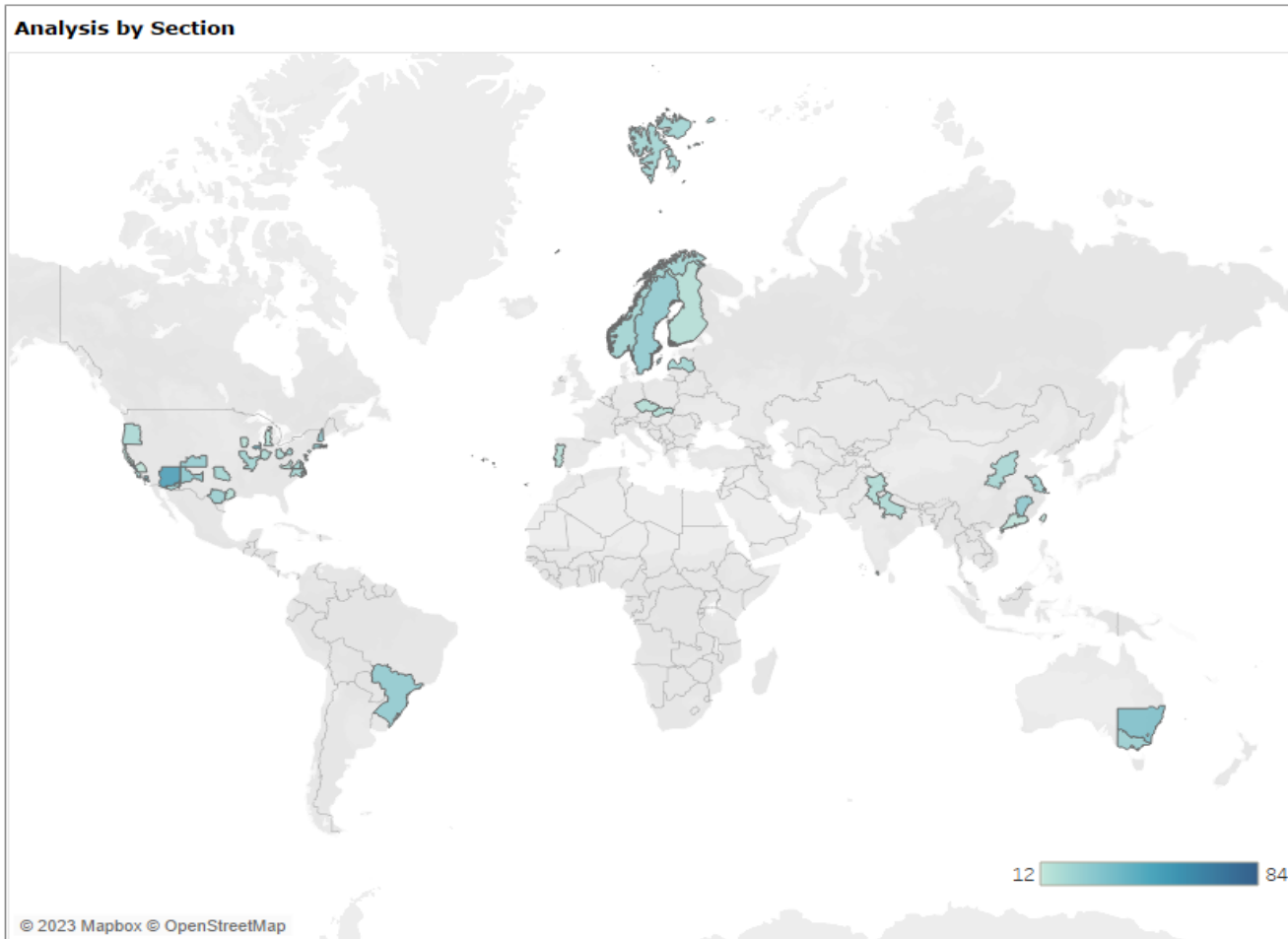
Search by word or phrase...

- Some rework needed on **“AESS Chapters and Joint Chapters Annual Funding Requests”**
- **Chapter Major Initiatives Funding**
 - Chapter Reports stop at 2019...
 - Chapter Handbook stops at 2020 (pre COVID)

B) Main results achieved in the last year

| Figure of merit | Quantity | Optional comments |
|---|----------|-------------------|
| Total Chapter membership (M) | | |
| New members (N) | | |
| New student members (NS) | | |
| Growth in total membership (%) | | |
| Active members - participate in at least one (A) | | |
| WORKSHOPS | | |
| People actively involved in Chapter governance (G) | | |
| Workshops co-organized (C) | | |
| Workshops attended at Section/Council/Society level (S) | | |
| Workshops | | |
| Co-organized Conferences (K) | | |
| Average attendance (A) | | |
| Number of Short Courses (S) | | |
| Average Short Course attendance (S) | | |
| Events dedicated to students and YP (S) | | |
| Average attendance of students and YP events (S) | | |
| Other events organized and/or sponsored (S) | | |
| Attendance at other events (S) | | |
| PUBLICITY AND OTHER ACTIVITIES | | |
| Articles in the magazine and/or Q&A (S) | | |
| Messages sent to the membership (S) | | |
| Advis activities with other Technical Societies (S) | | |
| Industry and academic engagements (S) | | |
| Other (S) | | |

- We need to “extend” to all areas where we have enough members but no chapters



- Chapter Chairs education
 - Increase number of Chapter Summit
 - Start smaller, virtual only meetings with Chapter Chairs, more frequently
 - Engage in one-on-one phone calls, or email exchanges, to help and motivate chapter chairs.
- Member Education
 - Disseminate material at AESS Conferences, Sponsored Events, Chapter Events
 - *Consistently* provide information on QEB
 - Disseminate information on LinkedIn
 - Create Self/Advertising Surveys

- **Make sure that Members attend Chapters events**
 - Ensure Chapter Chairs use vTools and modern advertising techniques
 - Ensure Chapter Chairs organize events that “people want to attend”
 - Establish a policy of surveys/feedback to make sure Members are happy and want to attend future events
- **Make sure that Chapters are properly funded**
 - See next...

AESS Annual Chapter Funding Application Form

Chapters are encouraged to apply annually for financial support of up to \$500 USD (\$250 for Student Branch Chapters) to fund local AESS chapter activities and small initiatives. Funding will be automatically approved upon completion of the form and review of the VP Member Services. There are no additional requirements.

The deadline for application submission is December 31 for each calendar year. The information to be included in the form refers to the current year when the application is submitted.

Please send all questions to [\(Click to show email\)](#).

- \$500 *once* per year is too little and too “early” for planning
 - Recommend allowing the request for funding unlimited, and approval is granted on a case basis by the VP Members Service Committee
- Website is too complicated and convoluted (for just \$500)
 - Recommend simplifying questions and emphasizing direct interactions with VP Member Services.

Chapter Funding 2) Major Initiative



- Up to \$5,000 with possible increases after BoG vote
- Great option but Diminished Impact due to Bureaucracy and long forms...
 - Recommend streamlining the process, focusing more on open dialogue with VP Member / Chapter Coordinator

B) Main results achieved in the last year

| Figure of merit | Quantity | Optional comments |
|--|----------------------|-------------------|
| MEMBERSHIP | | |
| Total Chapter membership (#) | <input type="text"/> | |
| New members (#) | <input type="text"/> | |
| New student members (#) | <input type="text"/> | |
| Growth in total membership (%) | <input type="text"/> | |
| Active members- participate in ≥2 events (%) | <input type="text"/> | |
| GOVERNANCE | | |
| People actively involved in Chapter governance (#) | <input type="text"/> | |
| Strategic meetings held (#) | <input type="text"/> | |
| Meetings attended at Section/Council/Society level (#) | <input type="text"/> | |
| MEETINGS | | |
| Distinguished Lectures (#) | <input type="text"/> | |
| Average DL attendance (#) | <input type="text"/> | |
| Number of Short Courses (#) | <input type="text"/> | |
| Average Short Course attendance (#) | <input type="text"/> | |
| Events dedicated to students and YP (#) | <input type="text"/> | |
| Average attendance at students and YP events (#) | <input type="text"/> | |
| Other events organized and/or sponsored (#) | <input type="text"/> | |
| Attendance at other events (#) | <input type="text"/> | |
| PUBLICITY and OTHER ACTIVITIES | | |
| Articles in the Magazine and/or QEB (#) | <input type="text"/> | |
| Messages sent to the membership (#) | <input type="text"/> | |
| Joint activities with other Technical Societies (#) | <input type="text"/> | |
| Industry and academic engagements (#) | <input type="text"/> | |
| Other (#) | <input type="text"/> | |

Major Initiative description

A) Initiative Overview
Provide a description of the last initiative for which IEEE support is requested, including its main objectives.

B) Activities and Time Scheduling
Provide a description of the proposed activities and related time schedule.

| Name of the activity | Description | Year and Time schedule |
|----------------------|----------------------|------------------------|
| <input type="text"/> | <input type="text"/> | <input type="text"/> |

C) Relevance to AGSS
Detail how this initiative can help with respect to the IEEE strategic goals and how far it is related to initiatives provided by IEEE. Also indicate possible synergy with activities already carried on within the Society. Priority request consider why IEEE might further help to make this initiative successful.

D) Targeted Membership
Provide information about the number of members that are expected to be involved in the proposed activities. Indicate if the proposed target specific member groups (young professionals, students, industry, ... or intended for the wider membership).

E) Involvement of Other Technical Societies
Specify whether other technical societies are involved in the initiative (both within and outside IEEE) and briefly describe how they contribute from the activities. Also indicate a POC in other Societies that are supporting this initiative.

F) Budget
Detail how the requested funds will be spent. Also indicate possible co-funding by sponsoring, institutional institutions and/or companies.

Activities which need support from the AGSS

| Name of the activity | Budgetary Proposal (USD) | Comments (if any) |
|----------------------|--------------------------|----------------------|
| <input type="text"/> | <input type="text"/> | <input type="text"/> |

Activities which will receive support from other entities

| Name of the activity | Budgetary Proposal (USD) | Funding entity | Comments (if any) |
|----------------------|--------------------------|----------------------|----------------------|
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |

List of attachments
Provide a list of support documents that you are attaching to the application form.

The examples:
1. Member support table
2. 2021 Chapter Board Summary

Upload support attachments
Please upload your support documents (if any) as attachments. Examples are reports of previous initiatives, letters of support from members/companies/institutions, etc.
Please name the attachments appropriately when to upload to avoid confusion, e.g. "2020-Chapter_MemberSupportTable1".

Estimated number of files can be uploaded to this field: 40 MB total.
Allowed types: pdf, xls, docx.

- Colombia
 - POC: Giovanna Estefania Ramirez
 - Dates: Tuesday, May 9 to Thursday May 11
 - Hotel: TBD

- Australia
 - POC: TBD
 - Dates: November, TBD
 - Hotel: TBD



- AESS Membership Price has been raised many times as hindering growth.
 - Need data: actual fees paid by members worldwide
- Transferring money to (remote) Chapter has been difficult
 - Need to devise easy method to move money to intended chapters, including student branch chapters

Back up: Laila's "Satisfy Requirement Matrix"

| | Undergrad. student | Grad. student | YP, Early Career | Industry | Academia | Researcher | Entrepreneur, Small Business | Late Career | Retired |
|-------------------------------|--|--|--|--|--|--|--|--|---------------------------------|
| Publications | Digital library | Digital library | Magazine, Digital library | Digital library | Magazine, Digital Library | Magazine, Digital Library | Magazine, Digital Library | Magazine | Magazine |
| Awards/ Grants | Travel grants | Travel grants, Dissertation award | Panel award, early career award, publication award | Industrial Innovation Award | AES awards, Panel award, publication award | PLANS, Panel Awards, publication award | Panel award, early career award, publication award | Panel award, publication award | organizational Leadership award |
| Professional Networking | IEEE YP event | IEEE YP event | Mentoring Program, Radar Summer School, rising stars, YP in space, IEEE YP event | Rising stars | Radar Summer School | Radar Summer School | Radar Summer School, rising stars, IEEE YP event | Radar Summer School | |
| Continuing Education/ Schools | Resource center, Scholarships, IEEE Learning Network | Resource center, Scholarships, IEEE Learning Network | Radar Summer School, Resource Center | Resource center, IEEE Learning Network, Short course, DL | Resource center, DL, IEEE Learning Network, Short course | Resource center, IEEE Learning Network, DL | IEEE Learning Network | Resource center, IEEE Learning Network | |
| Conferences | Radar challenge | Radar challenge | IEEE YP Events, Rising Stars, Radar challenge | Industry panels, exhibitions | | | | | |