

# Region 1

# Student Activities

Organizing, structuring, running and reporting your  
Section's student activities

**Charles Rubenstein, Region 1 Student Activities Coordinator**  
**<c.rubenstein@ieee.org>**



# Students: our future and our legacy

- First, and foremost you need a **Section Student Activities Coordinator!**
- Second, understand your Section Student Branch OU's needs and wants!
- Third, understand what your Section can undertake, staff, and deliver
  - Volunteer presentations
  - Financial assistance: S-PACs, grants, awards, etc.
- There is a vast array of Activities/Programs your Section can undertake for and by student members in the local university Student Branches, Student Branch Chapters and IEEE- HKN Chapters
  - Technical programs during club hours
  - Job Fairs and Career Nights
  - Joint with the Section, Chapters or Affinity Groups
  - Tailored and suited for your Section
- The most successful Sections plan a repertoire of all of the above
- If uncertain, seek help from above – your Region Student Activities Coordinator and Regional Student Representative are there to help!



# 2018 Region 1

## Student Activities Committee

**Charles Rubenstein, Chair (RSAC)** <c.rubenstein@ieee.org>

**Kayla Ho, Regional Student Representative (RSR)**

<kayla.ho.us@ieee.org>

- **Bruce Hecht, S-PAC Coordinator** <bruce.hecht@ieee.org>
- **Area SAC Coordinators**
  - *Area Chairs or their representative*
- **Section SAC Coordinators**
  - *Section Chairs or their representative*
- **Student Branch Chairs & Student Branch Counselors**
- **Student Branch Chapter Chairs & SB Chapter Advisors**
- **IEEE-HKN Student Chapter Chairs**

**Ex-Officio Members:** *GOLD, WIE, PACE, MD, HTC Rep, Pre-university*



# MGA SAC: Vision and Mission

## IEEE SAC Vision

- To deliver a common, high-quality IEEE Student member experience globally, for lifelong, professional success through IEEE membership.*

## IEEE SAC Mission

- SAC will be recognized as the global platform to inspire, enable, develop & support student as the future leaders of our profession.*

## IEEE SAC Website

[https://www.ieee.org/membership\\_services/  
membership/students/index.html](https://www.ieee.org/membership_services/membership/students/index.html)

# Region 1 SAC: Vision and Mission

## IEEE Region 1 SAC Vision

- *To support the academic, professional and leadership activities for IEEE Student Members in the Northeastern US.*

## IEEE Region 1 SAC Mission

- *To encourage the professional development of IEEE Student Members and provide a leadership experience through IEEE membership, leadership and student activities.*

# IEEE in Facts & Numbers (2015 Data)

➤ More than 421,000 members in over 180 countries, ( 54% outside the US)

➤ **71,580 IEEE Student Members**

➤ **42,870 Graduate Student Members**

➤ 12,982 Society Affiliates

➤ 335 IEEE Sections; 56 subsections and 2,274 IEEE Section Chapters

➤ 454 Affinity Groups ( AICN, WIE, YP )

➤ **2,845 Student Branches in 80 countries**

➤ **1,344 Student Branch Chapters**

➤ **438 Student Branch Affinity Groups**

➤ 39 societies and 7 technical councils

➤ > 2 million documents in the IEEE Xplore Database: 130 transactions, journals and magazines

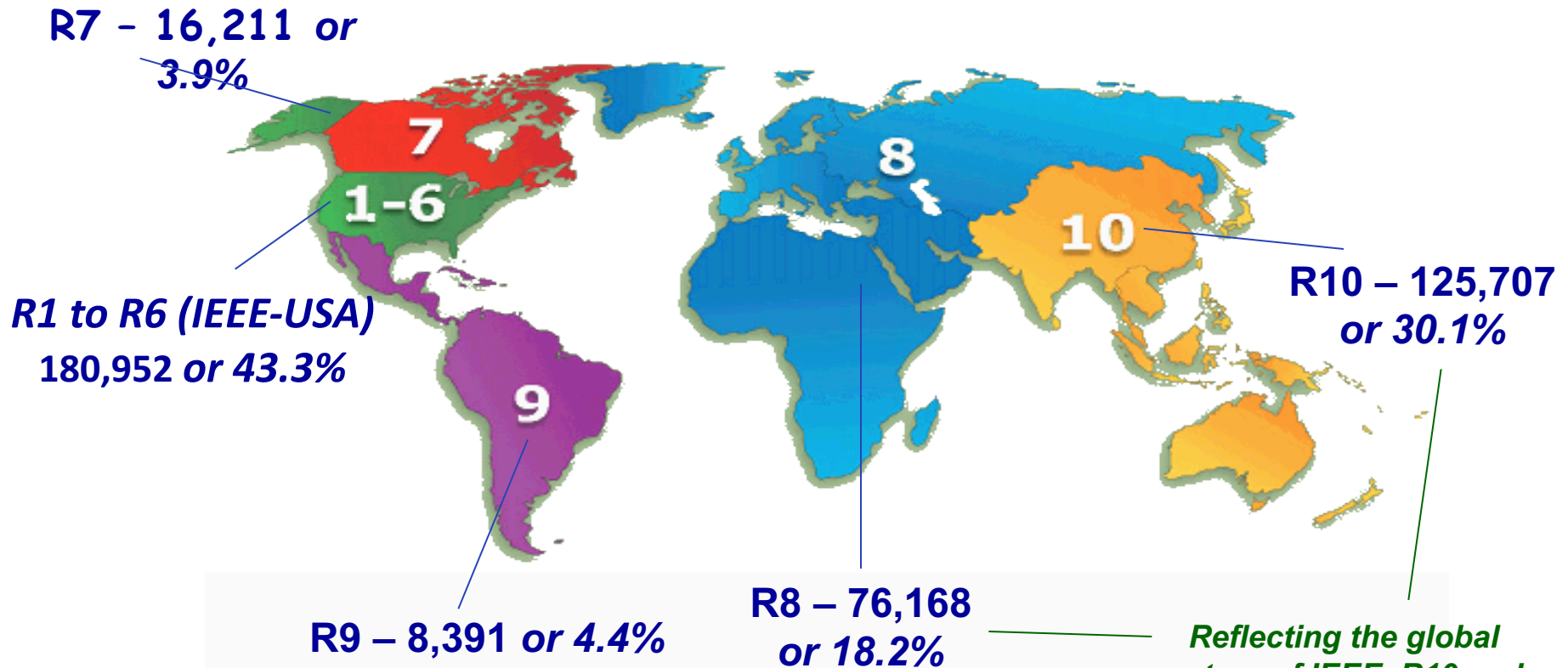
➤ Sponsors/co-sponsors over 1800 conferences each year

➤ IEEE Standards Association: 7,000 individuals in 100 countries and over 200 corporate members in 22 countries



# IEEE Worldwide Membership

TOTAL / **VOTING** MEMBERSHIP\* = 417,429



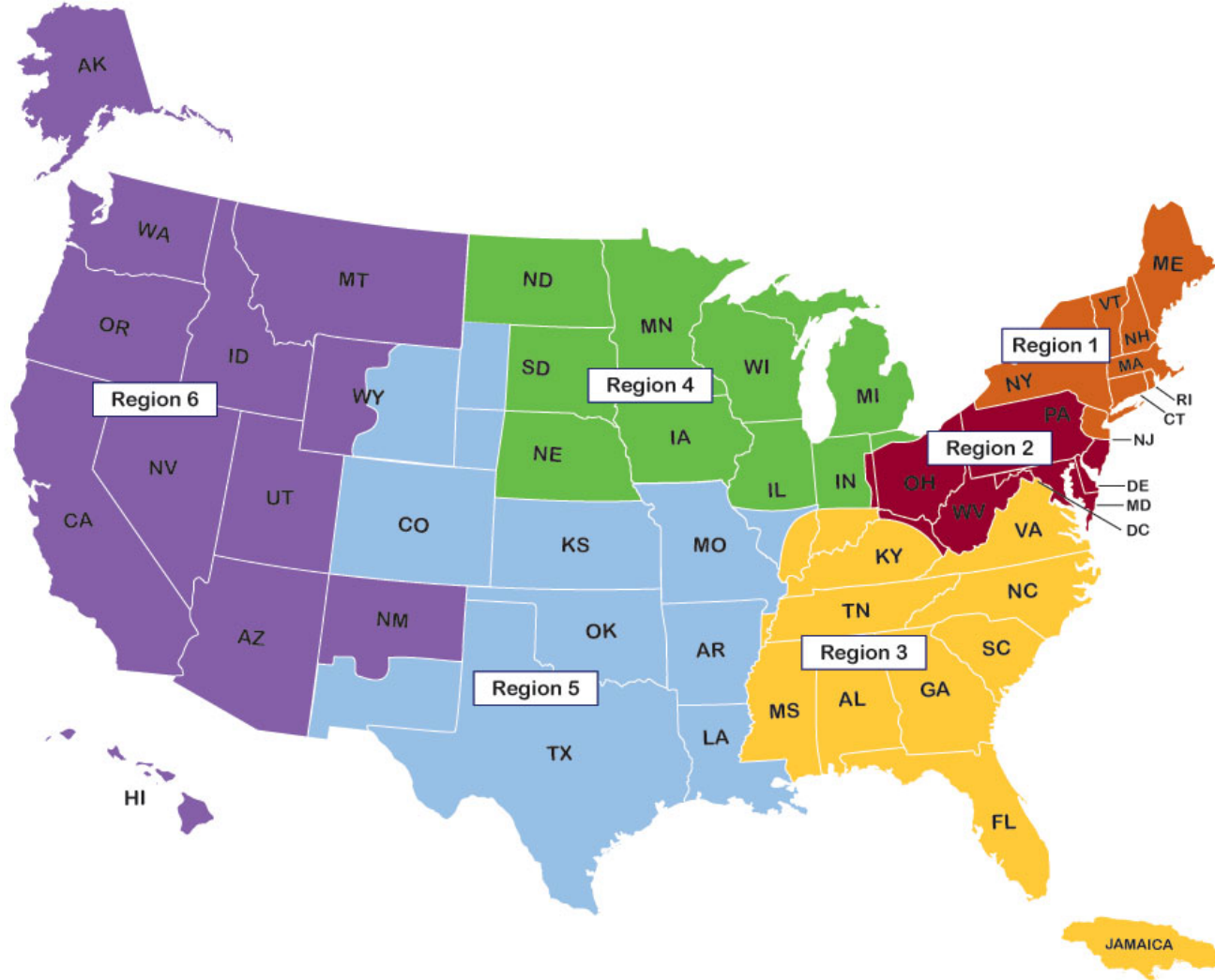
**\* 2017 Member Data**

*Reflecting the global nature of IEEE, R10 and R8 are now the two largest IEEE Regions*





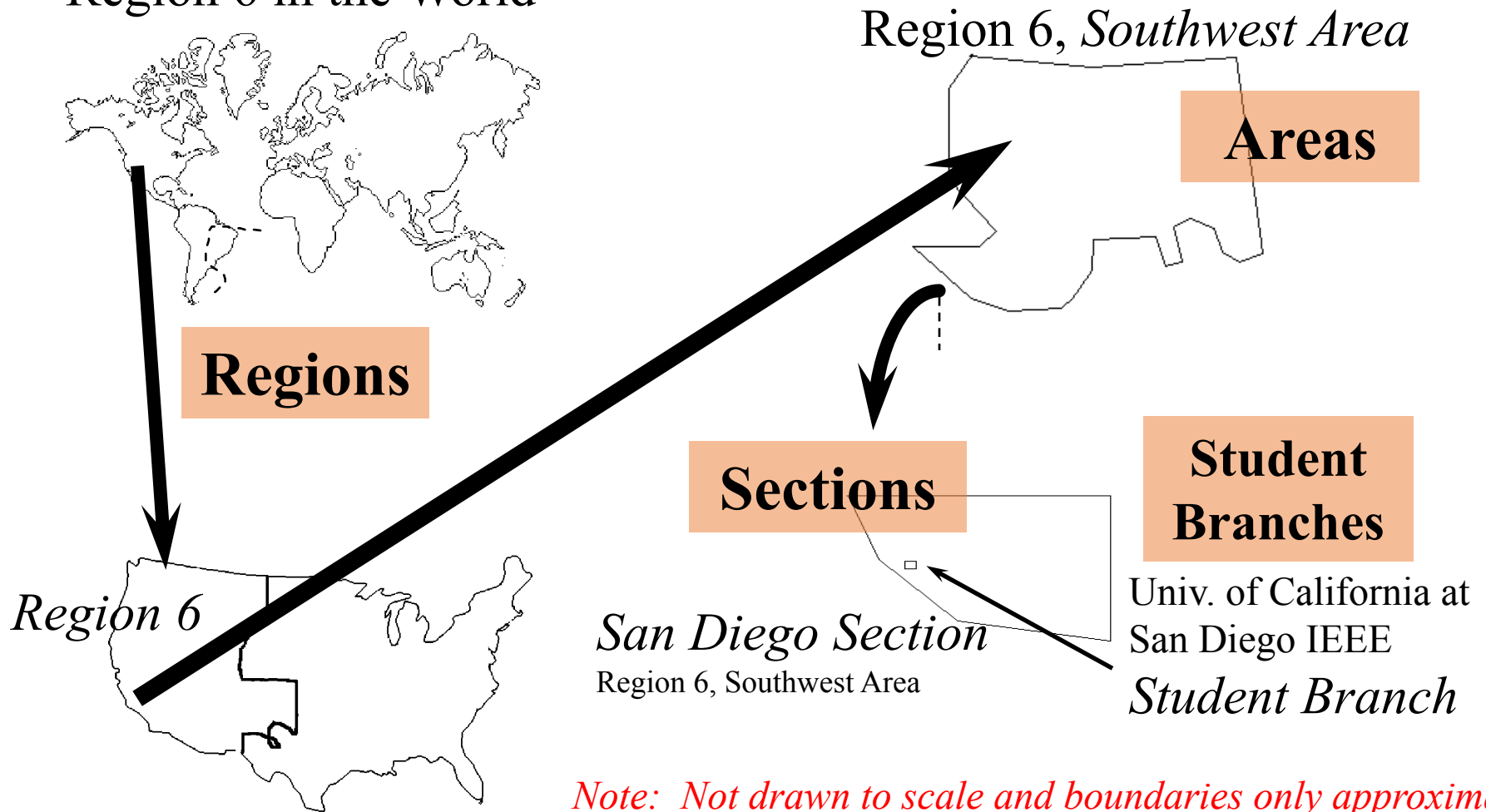
# IEEE US Regions 1 - 6



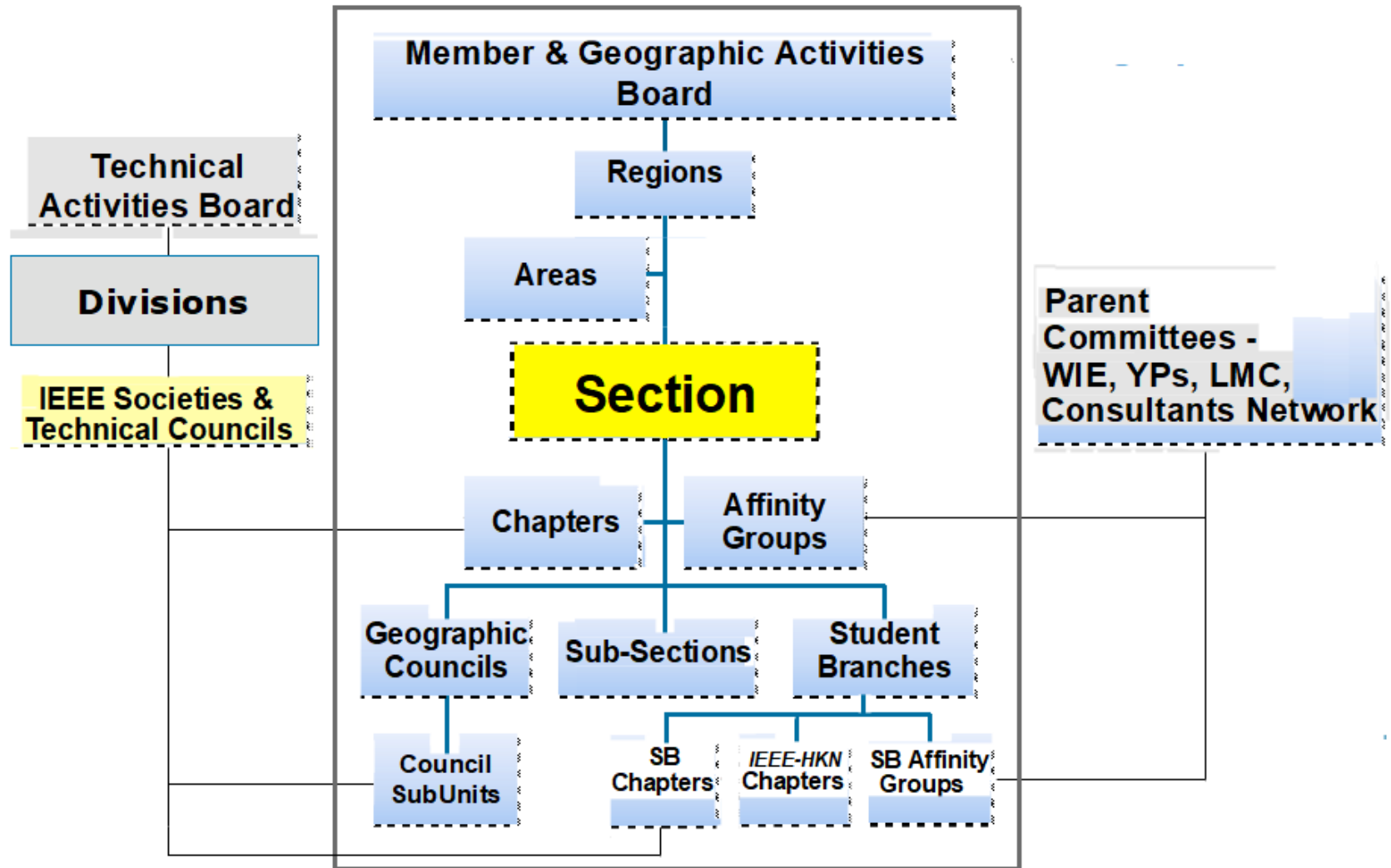


# IEEE Student Branches & OUs

Region 6 in the World



# MGA's Geographic Unit Structure



# 2018 SAC Goals for MGA

1. SAC focus: three year plan to strengthen interaction and connection amongst and between Student Branches and parent Sections
2. Leverage probations/dissolutions to scrub branch rosters and revitalize units
3. Student Digital Presence, Website & Branding
  - 2017 Student Membership: 120,095 (+2.4% YoY)
  - Student Awards (*July Announcements*)
  - Watch for the impact of the *General Data Protection Regulation (GDPR)* on IEEE SAC, etc.



# 2018 R1 SAC Goals: Section/SB

1. SAC focus: three year plan to strengthen interaction and connection amongst and between Student Branches and parent Sections
2. We need to update our Student Branch records – been trying to for last TWO years – not very successful ...

**MGA Solution: Link SB funding to the Section so the Branches need to be in touch with the Section Student Activities Coordinator !**

**Next slides**

- \* Student Branch Update
- \* IEEE-HKN Student chapters Update
- \* Student Branch Reporting



# Region 1 Student Branch Statistics

- **96 Student Branches in Region 1**

*at least one Student Branch in each of our 22 Sections*

## **38!!! Student Branches in Trouble Feb 2018**

*at least one in each of 14 of our sections:*

- **“Zero” Student Members on Record: 10**
- **>0 but 5 or fewer Student Members on Record: 18**
- **>5 but 10 or fewer Student Members on Record: 10**

- **42 IEEE-HKN Student Chapters in Region 1**

*at least one HKN Chapter in 20 of our 22 Sections*

## **33 Active IEEE-HKN Student Chapters**

## **9!!! Inactive IEEE-HKN Student Chapters**

**Spreadsheets Available – will be posted shortly**



# Leadership Reporting: NOW!!!

<https://officers.vtools.ieee.org/>

Unit: Univ of Alaska-Fairbanks (STB00061)

Select another OU to manage

## **MANAGE OFFICERS**

### Instructions

Please make changes for the officer positions for the selected organizational unit below.  
([show more](#))

Add Officer

End Term

### Officer Positions

[Request a new officer position](#)

	Position Title	Current and Newly Elected Volunteers
<input type="radio"/>	Chair	Daniel Creasy
<input type="radio"/>	Counselor	Dejan Raskovic



# Student Branch reporting: by November 1

## Student Branch Reporting

[Home](#) [New Report](#) [Saved Reports](#) [Submitted Reports](#) [Contact](#)

Please use your web account to **sign in**.

Note: Please ensure that you use your IEEE member web account to log in. If you do not recall your web account information, or aren't sure you have one, you may go to: <http://www.ieee.org/web/accounts> to recover your password or establish a new account.

# <https://sbr.vtools.ieee.org/>



[Home](#) | [Contact & Support](#) | [Accessibility](#) | [Nondiscrimination Policy](#) | [Privacy & Opting Out of Cookies](#) | [Feedback](#)

Student Branch Reporting version 1.5.1

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A non-profit organization, IEEE is the world's largest professional association for the advancement of technology.





# 2018 R1 SAC Goals: Website

## IEEE Region 1 SAC Websites

<http://ewh.ieee.org/reg/1/sac/>

<http://sites.ieee.org/r1-sac/>

Both in dire need of revision, updating and coordination...



# Potential 2018-2019 R1 SAC Strategic Objectives

Areas	Strategic Objectives
Leadership and Membership	<ul style="list-style-type: none"> <li>➤ Develop an image and positioning of the RSAC Team.</li> <li>➤ Generate sustainable growth in membership and implement an incentive program to revitalize the student branches, chapters, IEEE-HKN and AG in the region (Road Show Program?).</li> <li>➤ Develop financial autonomy, and monitoring the delivery of rebates via Sections.</li> </ul>
Professional Development	<ul style="list-style-type: none"> <li>➤ Promote participation and organization of activities for professional development in the Student Branches.</li> <li>➤ Train new IEEE Student and Faculty volunteers.</li> <li>➤ Promote the identification of Regional Student Conference (StuCon) venues out 2-3 years.</li> </ul>
Awards and Competition	<ul style="list-style-type: none"> <li>➤ Encourage the participation in MGA awards and competition by the student members.</li> <li>➤ Monitor and encourage the sending of Student Branches reports and updates to officers before the dates fixed by the IEEE.</li> <li>➤ Encourage links with other Committees Activities in the Region.</li> </ul>



# Region 1 Student Activities

- IEEExtreme – 20 October 2018
- S-PACs – if interested in having one, contact  
**Bruce Hecht – SPAC Coordinator – <bruce.hecht@analog.com>**
- STEP (Graduation Reception) – if interested in having one, contact  
**Lorenzo LoMonte – YP Coordinator [LoMonte@telephonics.com](mailto:LoMonte@telephonics.com)**
- MTT Conference
  - Details – Contact Soon Wan <GWan@vicr.com>



# 2018 R1 Student Conference - StuCon

Friday-Saturday, March 23-24, 2018 @ NYIT, Old Westbury

- Students from Region 1 are encouraged to participate and compete in\*:
  - **MicroMouse Competition**
  - **Undergraduate Student Paper Contest**
  - **Ethics Competition**
  - **T-shirt Competition**
- Friday Evening Hackathon\* !
- Saturday Workshops\*:
  - MicroMouse Design
  - Drones
- Please find registration and details for competitions, rules and prizes at:  
<https://meetings.vtools.ieee.org/m/49075>

*\*Note: Some events are limited to # of entrees per school*

***Proposals for **StuCon 2019** and beyond – always welcome!***



# MGA Student Branch Awards & Recognition

*Awards all due February 1, 2019*



IEEE Student  
Enterprise Award



Larry K. Wilson  
Regional Student  
Activities Award



IEEE Regional  
Exemplary Student  
Branch Award



IEEE Outstanding  
Branch Counselor  
and Branch Chapter  
Advisor Award



The Darrel Chong  
Student Activity  
Award



# MGA Student Branch Awards - 1

## Larry K. Wilson Award

- ▶ The student most responsible for a worthy accomplishment may be nominated by a Branch Counselor, Section Chair, Section SAC, or other IEEE volunteers.
- ▶ This Award consists of a customized award plaque, a digital certificate, and three years of complimentary membership in IEEE.

## IEEE Regional Exemplary Student Branch Award

- ▶ Awards will be presented to those Student Branches that are found to be operated in a manner consistent with the goals of IEEE.
- ▶ Prize: A customized certificate attesting to the exemplary operation of the Student Branch.



# MGA Student Branch Awards - 2

## IEEE Outstanding Branch Counselor and Branch Chapter Advisor Award

- Winners will be those individuals who, through their work as Counselors and Advisors, exemplify the Institute's commitment to the educational, personal, professional, and technical development of students in IEEE related fields of interest.
- Prize: Each winner will receive a US\$150 cash award and a personalized certificate. The Student Branch that submits the nomination will receive a US\$150 cash award.

## Darrel Chong Student Activity Award

- The goal is to improve the quality of activities, and to foster knowledge sharing among students.
- Prize: The student branch will be presented with a digital certificate. Platinum winners will receive a plaque. A hard copy of the certificate will be provided upon request.





# MGA & IEEE Student Activities

- **IEEE Mobile Applications Development Contest**

<http://IEEEMADC.org> (April)

- **IEEEExtreme Programming Contest**

(20 October 2018)

- **IEEE Day**

<http://www.ieeeday.org/> (October)

- **IEEE-USA Congressional Visits Day**

<https://ieeeusa.org/advocacy/cvd/> (8-9 May 2018)

- **IEEE-USA Future Leaders Forum**

<https://futureleaders.ieeeusa.org> (26-28 July 2018)



# IEEEEMADC.org (April)

Category	Points	% (of final score)	Explanation
<b>User Interface (UI) Design:</b>	0-30	30%	design of the User Interface (elements such as colors, fonts, icons)
<b>User Experience (UX):</b>	0-20	20%	functionality, efficiency, logical structure
<b>Usefulness:</b>	0-20	20%	providing useful information to users (depending on the content)
<b>Availability:</b>	5-20	30%	the potential number/group of users;



# IEEEEXTREME Programming Contest

## 20 October 2018



# IEEE Day Celebrations

- ▶ <http://www.ieeeday.org/>
- ▶ October 2018
- ▶ Photo Contest
- ▶ Print IEEE Day T-Shirt





# IEEE-USA Activities

➤ *For Graduate Students and  
Young Professionals*

- **IEEE-USA 2018 CVD**

*(Congressional Visits Day)*

*8-9 May 2018*

*Washington, D.C.*

Register <https://ieeeusa.org/advocacy/cvd/>

- **2018 Future Leaders Forum**

*26-28 July 2018      Austin, TX*



# WISE (Washington Internships for Students of Engineering) Intern Program

## DUE 31 DECEMBER 2018

- Students spend a summer in Washington, DC learning how government officials make decisions on complex technological issues and how engineers can contribute to legislative and regulatory policy decisions
- Students meet with leaders in Congress and the Administration, prominent nongovernmental organizations, and industry.
- Student prepare a paper on a current engineering related public policy issue.
- Stipend, local travel allowance and all housing costs covered



# Student Ethics Competition

[www.ieee.org/about/ethics/competition.html](http://www.ieee.org/about/ethics/competition.html)

- Foster familiarity with the IEEE Code of Ethics and concepts
- Promote a model for discussing and analyzing ethical questions
- Learn about ethics in a “fun” context
- Provide experience in applying ethical concepts to hypothetical professional situations
- Supplement Regional/Sectional ethics programs



Would **You** Make the Right Decision?

**The IEEE Student Ethics Competition**  
challenges IEEE student and graduate student members to do the right thing!

**Make the IEEE Code of Ethics come alive:**

- Discuss & analyze ethical concepts
- Apply ethical concepts to professional situations
- Present findings to an ethics panel

**Compete in the IEEE Student Ethics Competition to find out!**  
[www.ieee.org/ethics](http://www.ieee.org/ethics)  
Add your text >>>

**Event Information:**

Event Name
Date and Time
Location
Other Comments

IEEE





# Student Branch & OU Programs

- **Planning Meetings**
- **Technical & Professional Meetings**
  - Check with local Section Chapters for participation in Section Technical Programs, Seminars and Workshops
  - Student Professional Awareness Conference/Experience
  - PACE Programs and Meetings
  - Career/Government Activities
- **Regional Activities & Meetings**
  - Region 1 Student Conference (23-25 March, NYIT – Old Westbury)
  - IEEE-USA Future Leaders Forum (26-28 July, Austin TX)
  - World Maker Faire (22-23 September, Hall of Science Queens, NY)
  - First Robotics, and other STEM Programs



# Student Program Program Essential?

Make it **Fun** for your Officers

Make it **fUn** for your Volunteers

Make it **FUN** for your Members

*Retention and new members are sure to follow*



# Student Branch Activities

- Student Professional Awareness (S-PACs)
- Pre-College Activities
- Awards & Recognition
- IEEE-HKN Inductios
- Employment and Career Activities
- Engineer' s Week Activities
- Government and 'Grassroots' Activities
- Professional Development Seminars (PDS)
- Technical Policy Support and Awareness



# Student Professional Awareness Conferences (S-PAC)

*Since 1979 –*

*Bringing students and GOLD members, together with local, national and international speakers for soft skill presentations in **eight** topic areas*

➤ *Co-Result: Student Membership Drive – Free/reduced admission for members!*

For more information:

<http://ieeusa.org/volunteers/committees/spax/>



# S-PAC is ...

*More fun than going to Oktoberfest!*

*S-PACs are student organized and managed so you can learn about:*

- ***Conference planning and budgets***
  - ***How to contact speakers and industry***
  - ***Making presentations***
  - ***Finding funding resources***
- 
- ***Coordination: two or three S-PACs in a local area using the same speakers!***



# Student Professional Awareness Conference (S-PAC) Topics

- *Career Development*
  - *Professional Integrity*
  - *Personal Skills*
  - *Engineers & Public Policy*
  - *Leadership in Professional Organizations*
  - *The Practice of Innovation*
  - *The Art of Communication*
  - *Humanitarian Grand Challenges*
- Eight Topic Areas!***

***(See backup slides...)***



# Questions ?



***It is an honor and pleasure to serve for a second two-year term as Region 1 Student Activities Coordinator***

***c.rubenstein@ieee.org***





# S-PAC Topics in **Career Development**

Technologists are uniquely positioned to embark on careers that are not only technical but also in various areas including business management, finance, economics, health, law, non-profit sector, consulting, journalism, public relations, entrepreneurship, government, and entertainment.

- *Make the most of your career choices, career fairs and internships, and in informational and formal interviews*
- *Craft and customize your resume, curriculum vita, and cover letter for different career pathways*
- *Be better informed for your job search and negotiations*
- *Establish/maintain professional connections and mentors*
- *Prepare for professional registration, certifications, as well as advanced degrees*



# S-PAC Topics in **Professional Integrity**

Ethics and engineering are fundamentally intertwined. Decisions made by engineers can have a profound impact on society.

- Practice ethics in a work environment that is constantly influenced by realities of globalization, financial motivation, and information overload
- Generate or customize a framework or set of principles for ethical conduct across differing conflicts and scenarios
- Balance professional integrity against corporate loyalty and other personal interests



# *S-PAC Topics in* **Personal Skills**

Personal skills are as crucial as technical skills for a successful career in engineering.

- Develop skills that are necessary to effectively run a meeting and manage a committee.
- Apply the best practices for time management and priority setting of tasks
- Better manage your online persona and learn how it can assist or affect your career
- Plan your finances and investments



# ***Engineers & Public Policy***

Decision-makers are frequently looking to engineers for advice to improve public policies.

- How a legislation is drafted, introduced, and debated in Congress
- The major policy issues and contentions of current interest, and why you should care
- The role engineers play in informing and shaping public policy and how to get involved



# S-PAC Topics in **Leadership in Professional Organizations**

Staying involved in a professional society adds value to your career. However, becoming a leader improves your professional net worth and profile.

- A professional society—such as IEEE—can help you in your professional and personal growth
- Staying involved with a professional organization is a value to you and your profession?



# S-PAC Topics in ***Practice of Innovation***

Innovation is a complex theoretical concept but can be learned by practice like any other art or science.

- Capitalize on your professional training and creativity to become an innovator
- Learn from the success and failure of others
- Incorporate elements and practices of other cultures and professions (such as arts, humanities, media, and sociology)



# *S-PAC Topics in* **Art of Communication**

In a world of short attention spans, it is crucial to create and communicate a message that sticks.

- Master the art of storytelling
- Deliver better presentations
- Improve written communication
- Leverage social, traditional, and other media effectively
- Use these skills to help improve the public understanding of engineering and its impact



# S-PAC Topics in ***Humanitarian Grand Challenges***

Engineers play a major role in advancing technology for the benefit of humanity.

- Play a role in reducing poverty and hunger, improving infrastructure, and addressing environmental and economic challenges
- Become a global citizen and an ambassador for the engineering profession

