Region 2 Update

Drew Lowery, Region 2 Director

Who am I? Drew Lowery, Ph.D., SM-IEEE-HKN

▶ Engineer. Educator. Innovator.

▶ Member of IEEE since 2001 and active volunteer since 2015

- Region 2 Director

- Past Region 2 RSAC, Past Pittsburgh Section Chair

▶ Have worked in academia (teaching and research), transportation industry, and start-up companies.

▶ E-mail: dlowery@ieee.org

▶ Phone: (301) 697-7199

▶ LinkedIn: www.linkedin.com/in/drewlowery

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My Role and Responsibilities

▸ Plan and execute the strategic vision for the Region, including:

- Maintain communication with Section chairs; addresses Section requests, addresses problems faced by the sections, and encourages Section participation in the region meetings;

- Coordinate activities by IEEE organizational units;

- Develop an appropriate leadership development program and encourages Region and Section Officers to participate

▸ Represent IEEE at Board Series and other Meetings

- MGA, IEEE, and IEEE-USA

▸ Support vision and direction of the IEEE President and the Board of Directors

Who is Region 2?

Executive Committee

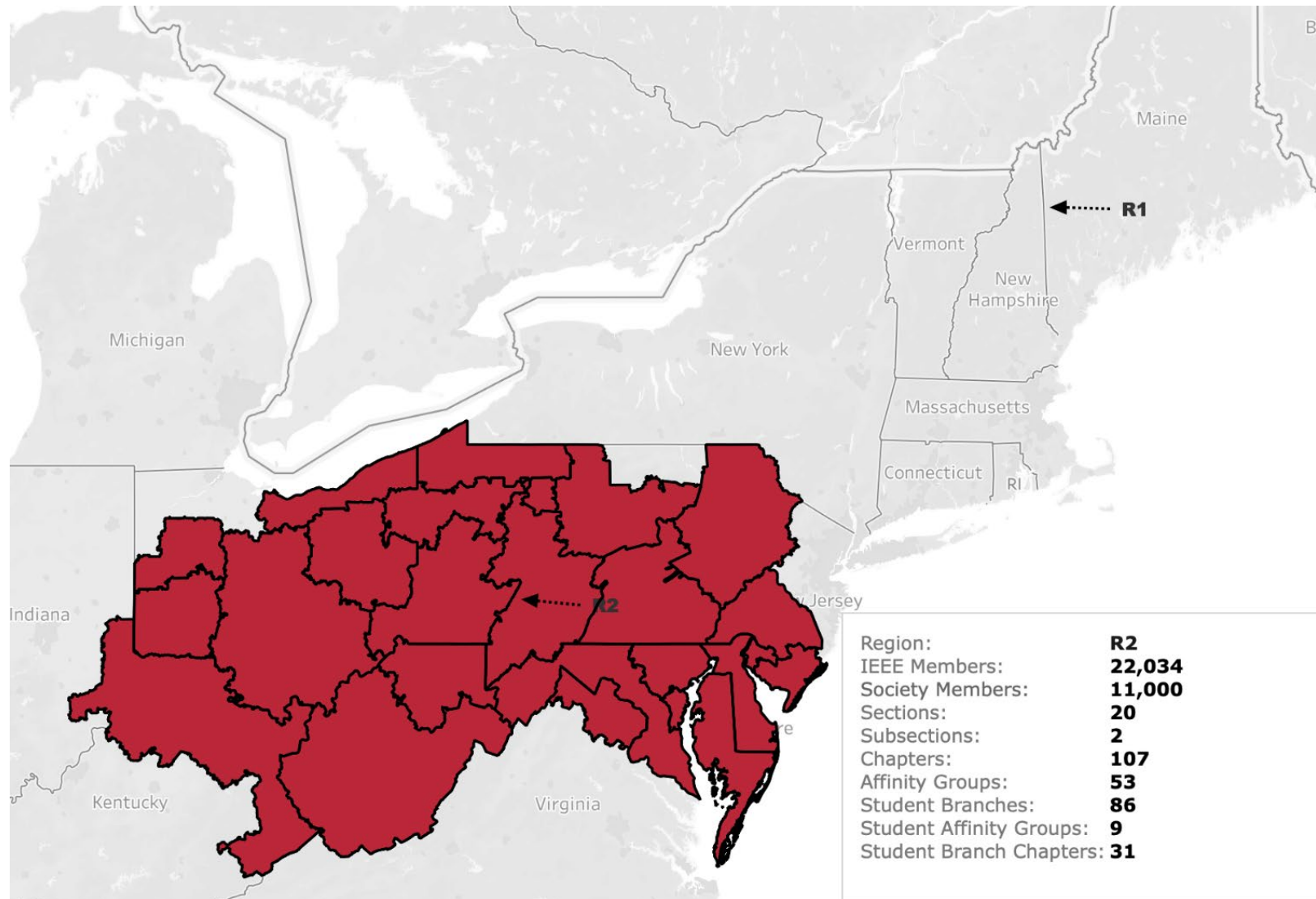|	
Region Director	Drew Lowery
Region Director Elect	Felicia Reinhart
Region Treasurer	Max Scardelletti
Region Assistant Treasurer	Barb Frantom
Region Secrertary	Neeta Basantkumar
Immediate Past Region Director	Barry Tilton
Area Chair (Central)	Jim Beck
Area Chair (East)	Richard Jessop
Area Chan (South)	Don Herres
Area Chair (West)	Chang Liu
Professional Activities Coordinator	Joeseph Kalasky
Chair, Student Activities Committee	Li Bai

Administrative / Region Committee

Chair, Awards and Recogintion Committee	Ralph Sprang
Chair, Chapters Coordination Committee	Tian Lan
Chair, Industry Relations Committee	Joe Cioletti
Chair, Membership Development Committee	Ralph Sprang
Chair, N&A Committee	Barry Tilton
Conference Coordinator	Felicia Reinhart
Humanitarian Activities Coordinator	Bhanu Sood
Life Member Coordinator	Marc Apter
Media Coordinator	Ethan Lin
Regional Vitality Coordinator	Rhonda Farrell
Sections Congress Coordinator	Barb Frantom
Technical Policy Coordinator	Emilio Salgueiro
Women in Engineering Coordinator	Maryam Alibeik
Young Professionals Coordinator	Tory Welsch
Parliamentarian	Marc Apter
Regional Student Representative	Xavier Smith

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2023 Priorities

- **Support for Local Activities**: The Region needs to recognize and share the best of Section activities through an initiative that helps to capture activity (meeting, guest speakers, workshops, etc.) in one section that can be used in another.

- **Financial Transparency and Growth**: Regional funds support all members, and members should be easily able to see how funds are being, and planned on being, used. Due to decreased membership, the Region needs to investigate additional sources of income, including the formation of an annual regional conference.

- **Engagement of Students and Young Professionals**: Regional and local units need to expand how we engage with Student Members and Young Professionals. The Region will continue to grow the successful Regional Student Activities Conference, while supporting and forming additional activities with support of higher-grade members.

- **Leadership and Volunteering Opportunities**: Outline and establish a leadership pipeline for current and future volunteers in local sections

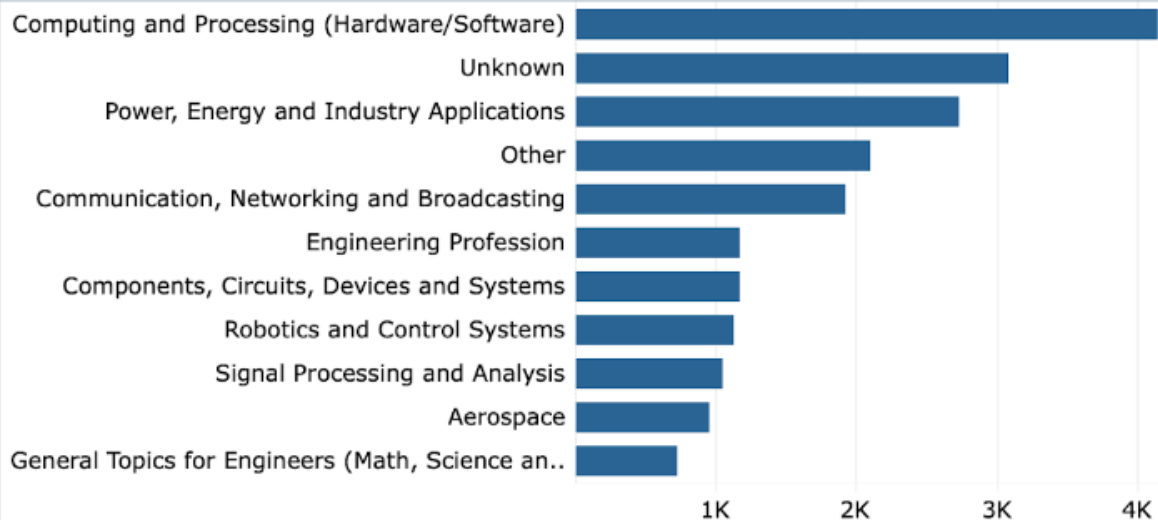**◆IEEE**

Who is Region 2?

Region:	R2
IEEE Members:	22,034
Society Members:	11,000
Sections:	20
Subsections:	2
Chapters:	107
Affinity Groups:	53
Student Branches:	86
Student Affinity Groups:	9
Student Branch Chapters:	31

Who is Region 2?

Current Membership

22,034 (+3.6% YoY)

2022 Membership

21,527

Count by Technology Focus Area

- Computing and Processing (Hardware/Software)
- Unknown
- Power, Energy and Industry Applications
- Other
- Communication, Networking and Broadcasting
- Engineering Profession
- Components, Circuits, Devices and Systems
- Robotics and Control Systems
- Signal Processing and Analysis
- Aerospace
- General Topics for Engineers (Math, Science an..

1K 2K 3K 4K

Count by Grade and Gender

- Member
- Life Member
- Senior Member
- Graduate Student Member
- Life Senior
- Student Member
- Affiliate
- Life Fellow
- Associate Member
- Fellow
- SA Member
- Individual

2K 4K 6K 8K 10K
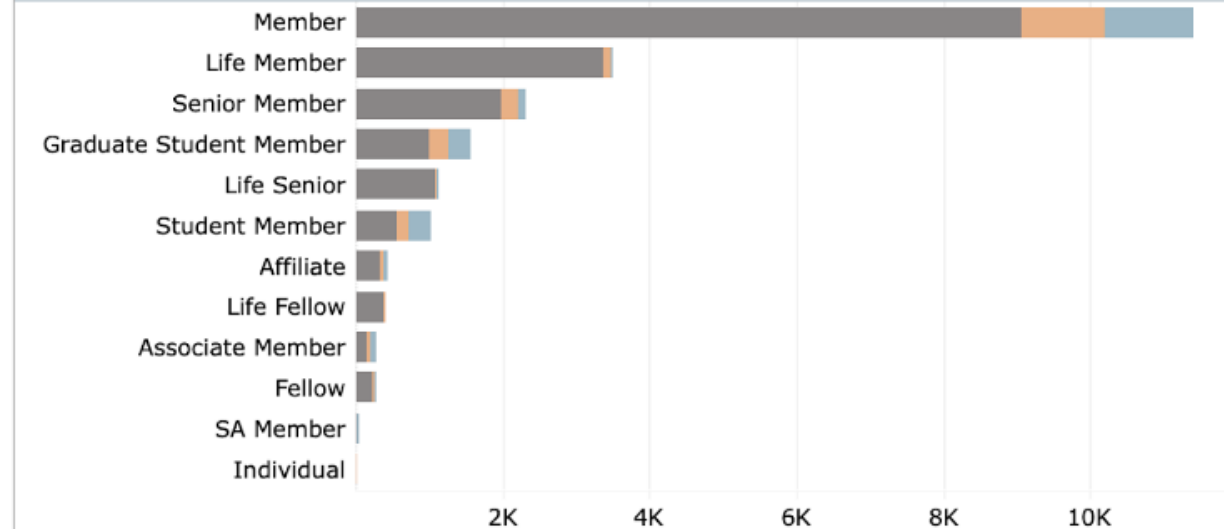
Who is Region 2?

Regional Membership by Unit (Society / Affinity Group)

	% of Total Quantity	Quantity
IEEE Young Professionals	18.26%	3932
IEEE Computer Society Membership	14.90%	3208
IEEE Power & Energy Society Membership	8.31%	1789
IEEE Communications Society Membership	6.66%	1434
IEEE Signal Processing Society Membership	4.18%	901
IEEE Robotics and Automation Society Membership	3.18%	684
IEEE Antennas and Propagation Society Membership	2.83%	610
IEEE Industry Applications Society Membership	2.73%	587
IEEE Aerospace and Electronic Systems Society Membership	2.67%	575
IEEE Microwave Theory and Technology Society Membership	2.62%	565

Engagement in Region 2

▸ Sections and RVC

- Touchpoint with all regional areas to gauge problems with working remotely, dealing with dwindling membership and activity.

- Bi-monthly/monthly touchpoint meetings with all Sections

▸ Web and Social Media Planning

- Engaging younger members on platforms that they use

▸ YP and SAC activities and planning

- Helping SAC team reengage student members

  • Student Activities Conference 2022
  • Student Activities Conference 2023

▸ Engagement with other Regions

- Region 1 / Region 2 future conference proposal

- Neighboring region connections with virtual / in-person events

Engagement in Region Realignment Efforts

- Goal: Reduce 6 Regions to 5 Regions

- Plan approved by MGA and IEEE s

- Merge US Regions 1 & 2

- Anticipated merge date is January 1, 2028
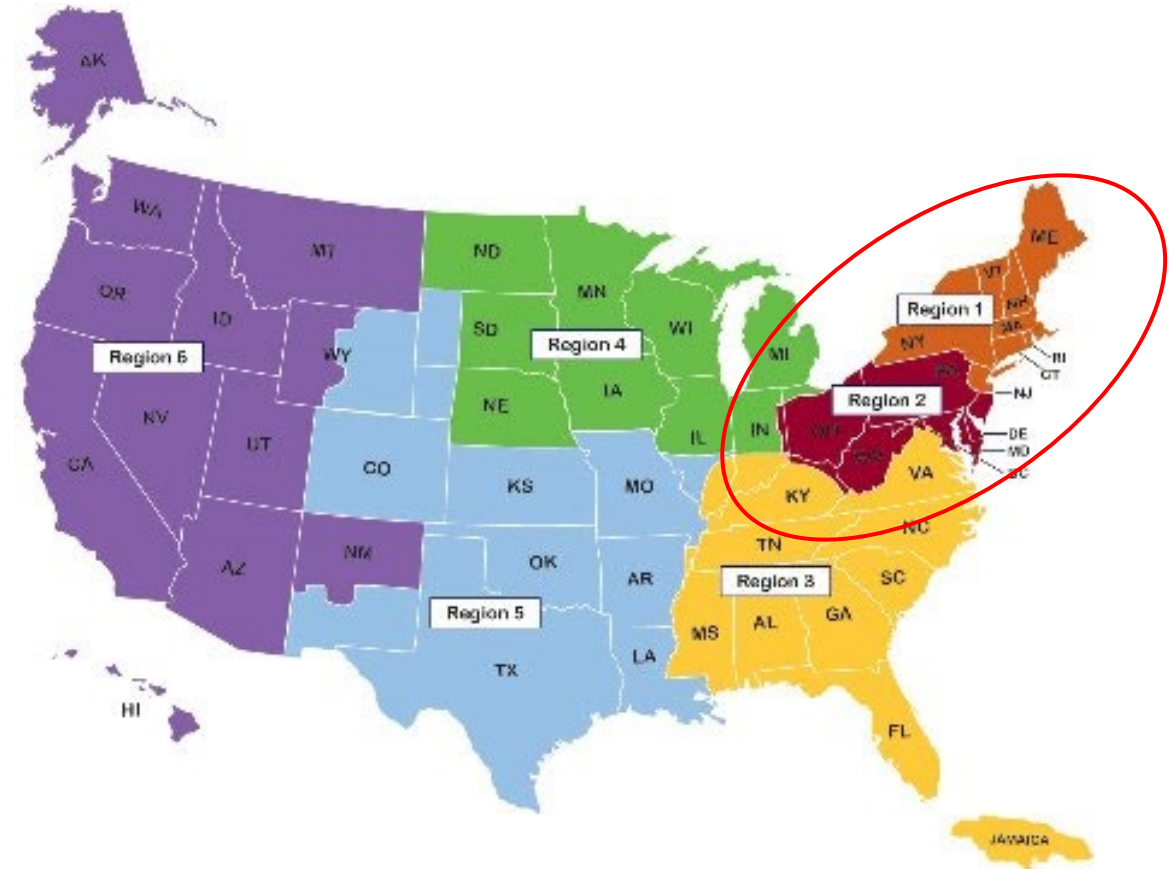
Engagement in Conferences

2023 IEEE Integrated STEM Education Conference (ISEC)

11 March 2023 | Laurel, Maryland, USA | Event Format: Hybrid (In-person and Virtual)

Sponsors: Baltimore Section; IEEE Education Society; Princeton/Central Jersey Section; Region 01- Northeastern USA; Region 02 - Eastern USA

2023 57th Annual Conference on Information Sciences and Systems (CISS)

22 - 24 March 2023 | Baltimore, Maryland, USA | Event Format: In-person

Sponsors: IEEE Information Theory Society; Johns Hopkins University - Dept. of Electrical & Computer Engineering

2023 IEEE Silicon Photonics Conference (SiPhotonics)

4 - 7 April 2023 | Washington, District of Columbia, USA | Event Format: In-person

Sponsors: IEEE Photonics Society

2023 Integrated Communication, Navigation and Surveillance Conference (ICNS)

18 - 20 April 2023 | Herndon, Virginia, USA | Event Format: In-person

Sponsors: American Institute of Aeronautics and Astronautics - AIAA; IEEE Aerospace and Electronic Systems Society

2023 IEEE Rural Electric Power Conference (REPC)

25 - 28 April 2023 | Cleveland, Ohio, USA | Event Format: In-person

Sponsors: IEEE Industry Applications Society

2023 11th International IEEE/EMBS Conference on Neural Engineering (NER)

25 - 28 April 2023 | Baltimore, Maryland, USA | Event Format: In-person

Sponsors: IEEE Engineering in Medicine and Biology Society

2023 IEEE International Conference on Assured Autonomy (ICAA)

6 - 8 June 2023 | Laurel, Maryland, USA | Event Format: In-person

Sponsors: IEEE Systems, Man, and Cybernetics Society; Johns Hopkins University Institute for Assured Autonomy

2023 IEEE North American School of Information Theory (NASIT)

19 - 23 June 2023 | Philadelphia, Pennsylvania, USA | Event Format: In-person

Sponsors: IEEE Information Theory Society

2023 IEEE Cognitive Communications for Aerospace Applications Workshop (CCAAW)

21 - 22 June 2023 | Cleveland, Ohio, USA | Event Format: Hybrid (In-person and Virtual)

Sponsors: Cleveland Sec AP/MTT/ED/AES/COM Jt Chpt; Cleveland Section

2023 IEEE Cloud Summit

6 - 7 July 2023 | Baltimore, Maryland, USA | Event Format: In-person

Sponsors: IEEE Computer Society

2023 IEEE International Symposium on Applications of Ferroelectrics (ISAF)

22 - 27 July 2023 | Cleveland, Ohio, USA | Event Format: In-person

Sponsors: IEEE Ultrasonics, Ferroelectrics and Frequency Control Society

Engagement in Conferences

2023 IEEE Electric Ship Technologies Symposium (ESTS)

1 - 4 August 2023 | Alexandria, Virginia, USA | Event Format: In-person

Sponsors: IEEE Power & Energy Society; IEEE Power Electronics Society; IEEE Transportation Electrification Community - TEC

2023 IEEE AUTOTESTCON

28 - 31 August 2023 | National Harbor, Maryland, USA | Event Format: In-person

Sponsors: IEEE Aerospace and Electronic Systems Society; IEEE Instrumentation and Measurement Society

NAECON 2023 - IEEE National Aerospace and Electronics Conference

28 - 31 August 2023 | Dayton, Ohio, USA | Event Format: In-person

Sponsors: Dayton Section; University of Dayton

2023 IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC)

2 - 6 October 2023 | Washington, District of Columbia, USA | Event Format: In-person

Sponsors: IEEE Computer Society

2023 IEEE Global Humanitarian Technology Conference (GHTC)

12 - 15 October 2023 | Radnor, Pennsylvania, USA | Event Format: In-person

Sponsors: IEEE Consumer Technology Society; IEEE Engineering in Medicine and Biology Society; IEEE Microwave Theory and Technology Society; IEEE Power & Energy Society; IEEE Power Electronics Society; IEEE Smart Village Initiative; IEEE Society on Social Implications of Technology; IEEE Standards Association; IEEE USA Washington, DC; Philadelphia Section; Region 06 - Western USA

2023 IEEE EMBS International Conference on Biomedical and Health Informatics (BHI)

15 - 18 October 2023 | Pittsburgh, Pennsylvania, USA | Event Format: In-person

Sponsors: IEEE Engineering in Medicine and Biology Society

2023 IEEE Women in Engineering (WIE) Forum USA East

26 - 28 October 2023 | Pittsburgh, Pennsylvania, USA | Event Format: In-person

Sponsors: IEEE USA Washington, DC; Region 01- Northeastern USA; Region 02 - Eastern USA; Women in Engineering

2023 IEEE 41st International Conference on Computer Design (ICCD)

30 October - 1 November 2023 | Washington, District of Columbia, USA | Event Format: In-person

Sponsors: IEEE Computer Society

2023 IEEE Future Networks World Forum (FNWF)

13 - 15 November 2023 | Baltimore, Maryland, USA | Event Format: Hybrid (In-person and Virtual)

Sponsors: IEEE Future Networks Community

2023 Resilience Week (RWS)

27 - 30 November 2023 | National Harbor, Maryland, USA | Event Format: Hybrid (In-person and Virtual)

Sponsors: Battelle Energy Alliance, LLC; IEEE Industrial Electronics Society

Questions? Comments?

Please feel free to reach out to me!