



# IEEE Executive Director's Report

*Stephen Welby, IEEE Executive Director & COO*  
*Region 10 Virtual Meeting*  
*5 March February 2021*



# Inspiring a Global Community of Innovation

*Where forward-thinking technology professionals collaborate*

- ▶ Discover what's next in technological innovation
- ▶ Create international standards
- ▶ Build technical communities
- ▶ Shape and share research

## Our Mission

The core purpose of IEEE is to foster technological innovation and excellence for the benefit of humanity

## Our Vision

IEEE will be essential to the global technical community and to technical professionals everywhere, and be universally recognized for the contributions of technology and of technical professionals in improving global conditions



### GLOBAL REACH



**396,007**  
MEMBERS



**160+**  
COUNTRIES



**46**  
TECHNICAL SOCIETIES  
& COUNCILS



**107,618**  
STUDENT  
MEMBERS

### TECHNICAL BREADTH



**1,900+**  
ANNUAL  
CONFERENCES



**5M+**  
TECHNICAL  
DOCUMENTS



**200**  
TOP-CITED  
PERIODICALS



**1,300+**  
ACTIVE  
STANDARDS

SOCIAL IMPACT



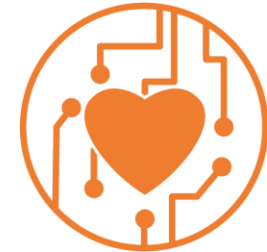
**GLOBAL**  
PUBLIC POLICY



**GLOBAL**  
HUMANITARIAN  
EFFORTS

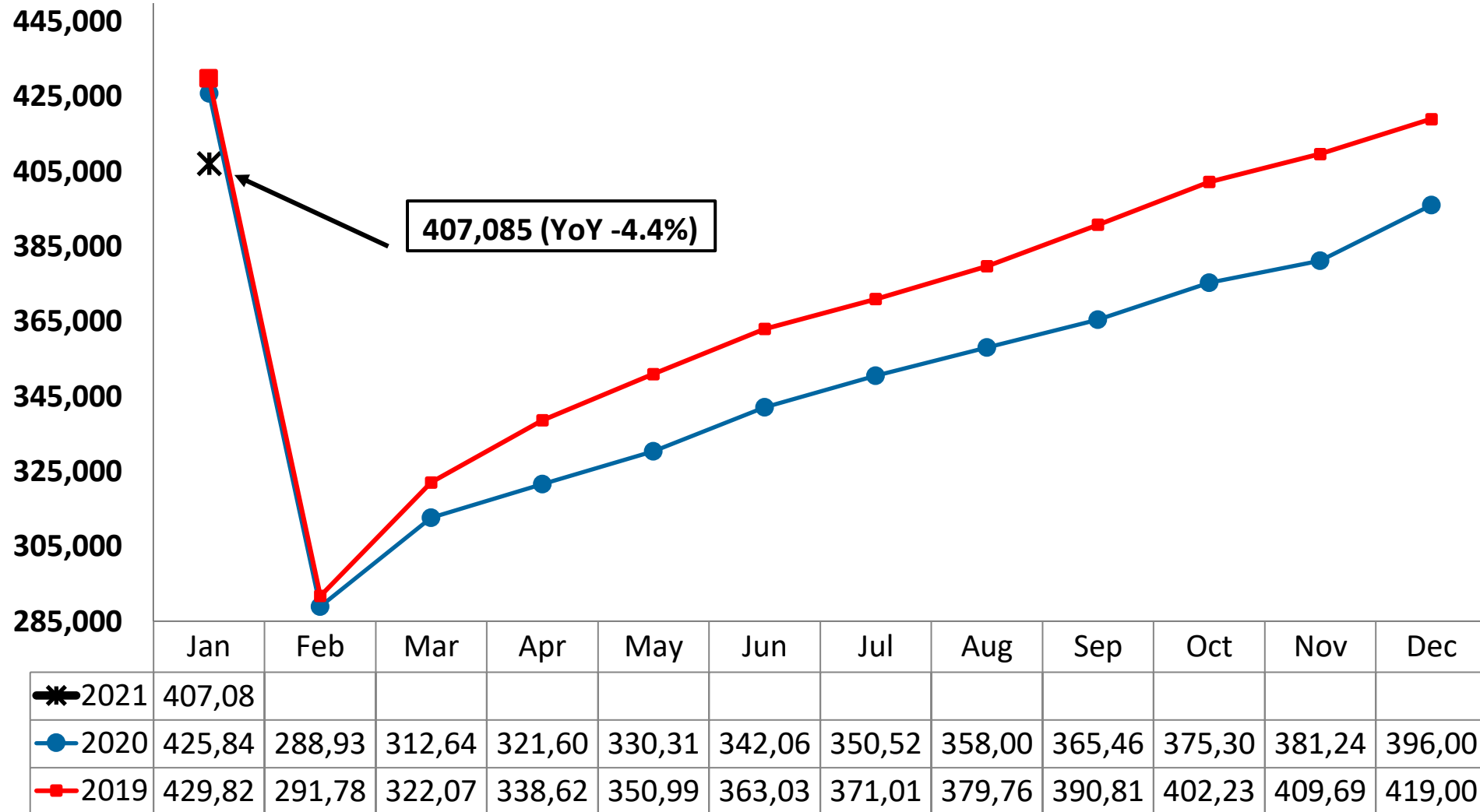


**CONTINUING**  
EDUCATION & CERTIFICATION

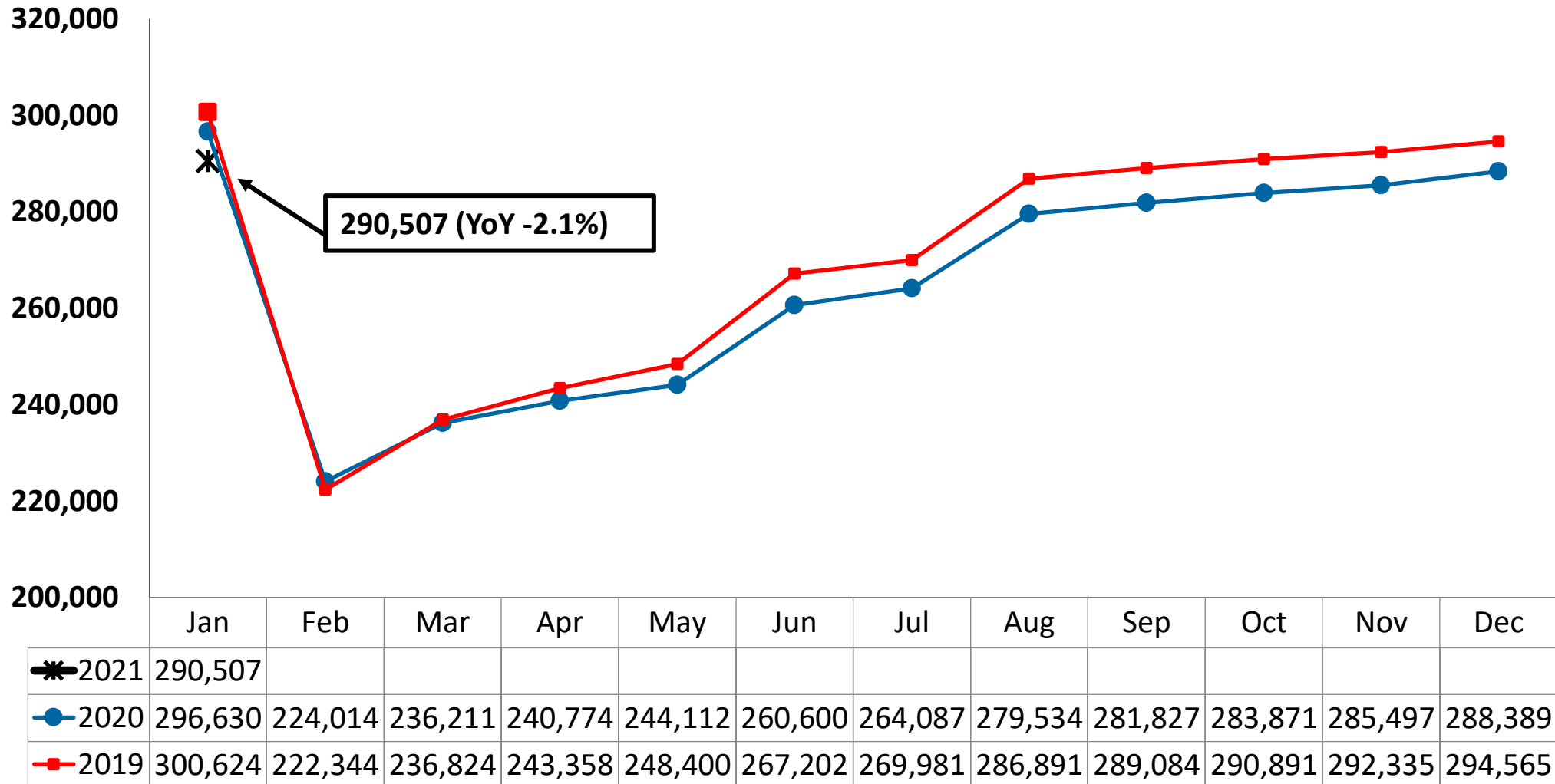


**ETHICS**  
IN TECHNOLOGY

# Total IEEE Membership

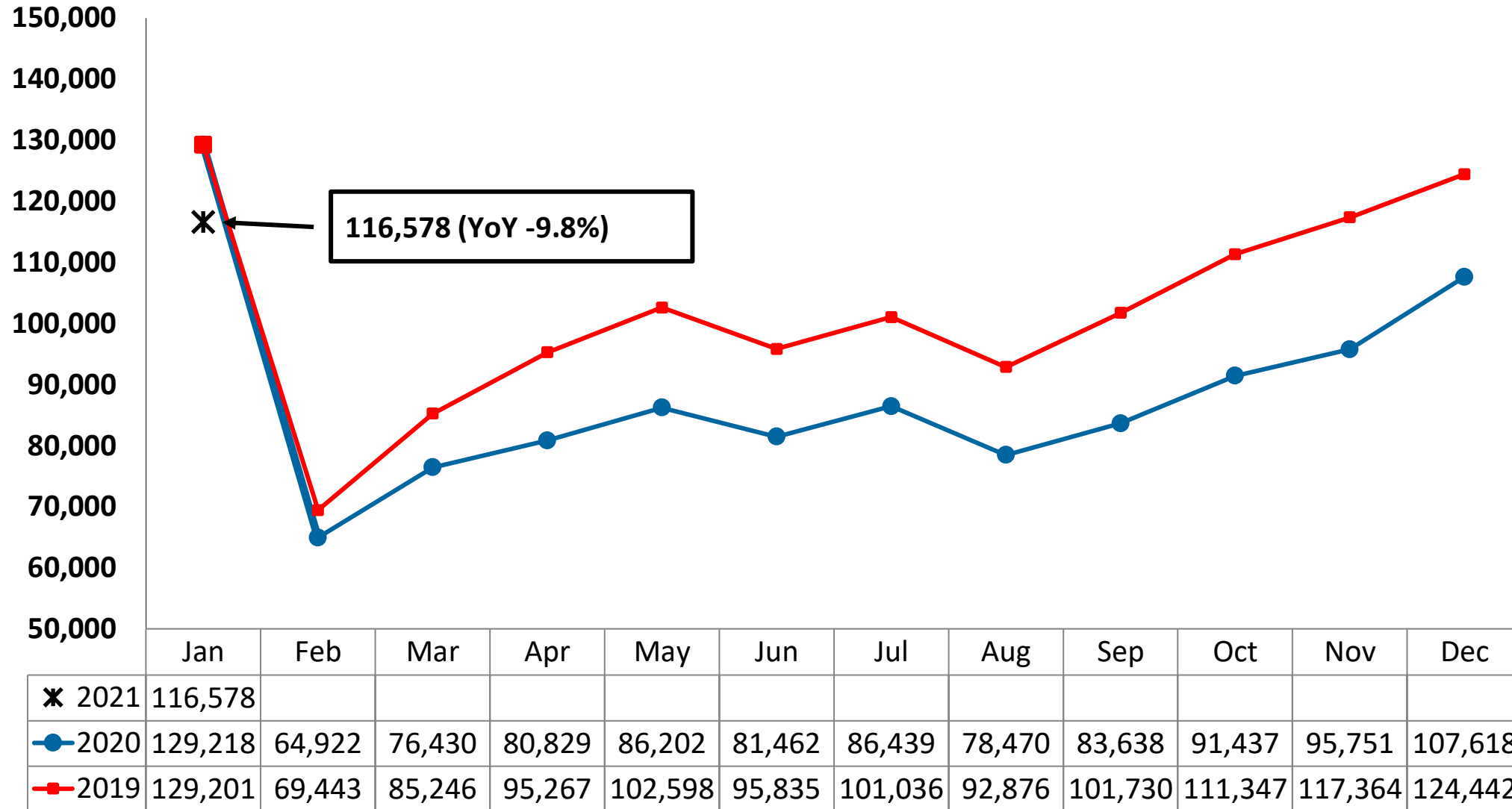


# Total IEEE Higher Grade Membership



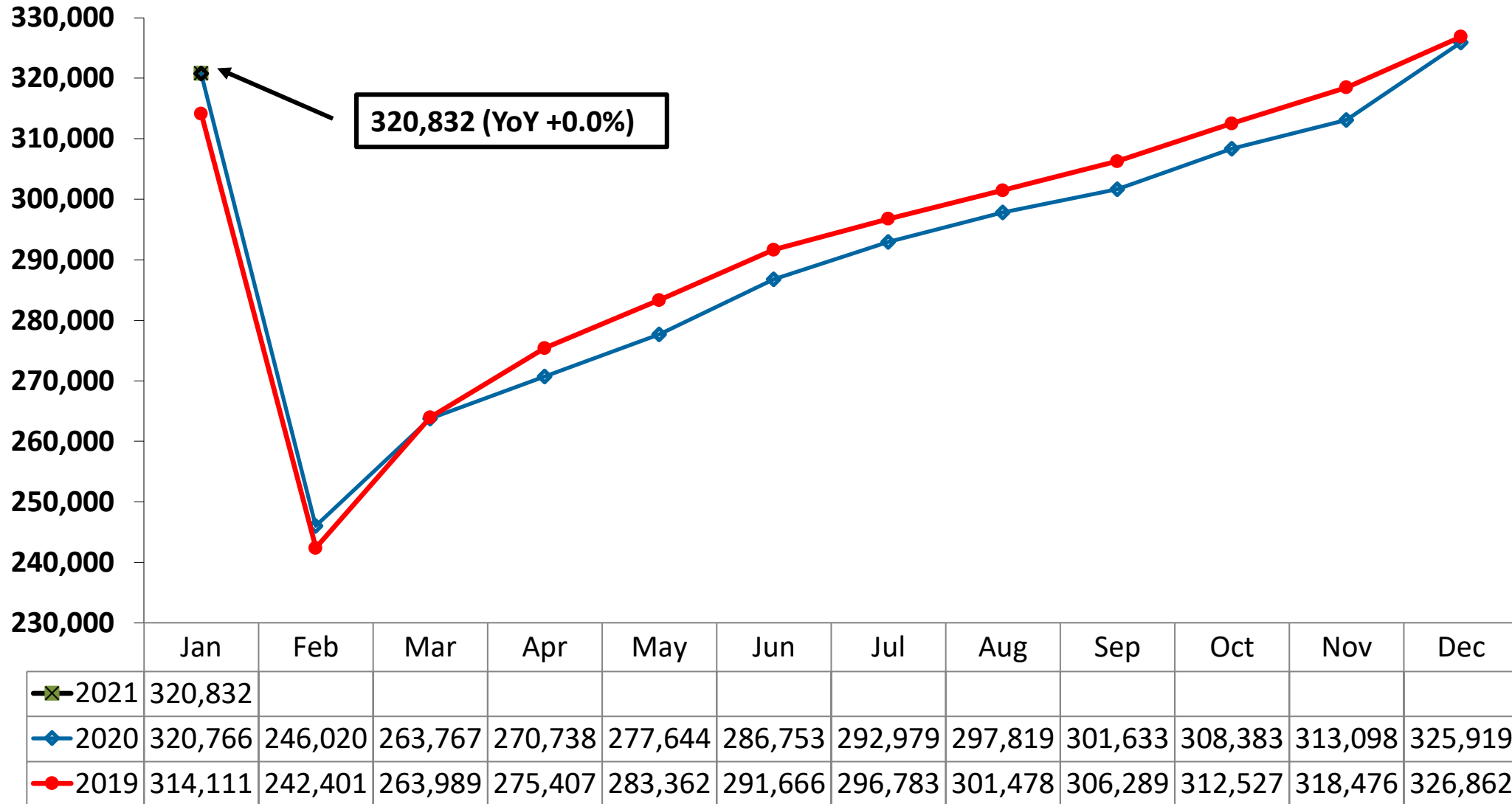
7 Data as of 31 January 2021

# Total IEEE Student Membership





# Total Society Membership



Data as of 31 January 2021



# Student Dues Discount Offer Update

## *Program launched in mid-December*

- ▶ As of 15 February, 26,000+ students have used the 'FUTURE50' promotion code
  - Region 10 (India) makes up two thirds of the overall response
  - 1,100+ credits issued towards 2022 dues to those who had already joined/renewed
  - Emails have driven almost 8,000 renewals
  - Email message from Student Activities Chair generated 842 renewals in less than a week
- ▶ Viral/social campaign is underway. Toolkit with digital adds and templates is available to Regions, Sections, Chapters, and Branches
  - Once weekly posts across ieee.org social media properties through February
  - <https://brand-experience.ieee.org/templates-tools-resources/resources/toolkits/ieee-future50/>
- ▶ Societies have begun offering a companion promotion (Computer, PES, MTT)
  - Computer Society: over 500 students to date

IEEE  
students

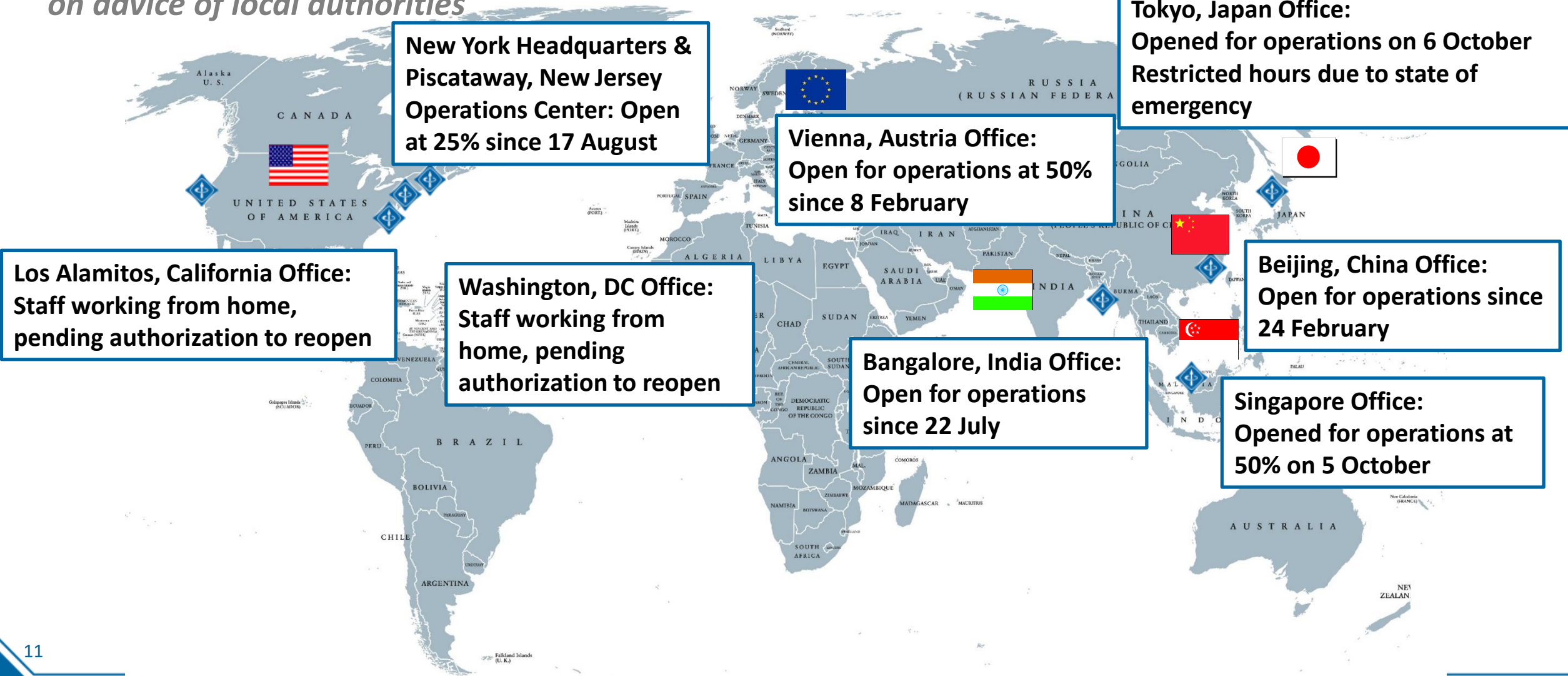
**OWN  
YOUR  
FUTURE.**

**SAVE 50%  
ON STUDENT  
MEMBERSHIP  
WITH THIS CODE:  
FUTURE50**



# IEEE Global Operation Status - We Remain Agile

*Global offices have all adopted periods of work-from-home to protect staff; returning to offices based on advice of local authorities*



# A Word on In-Person Meetings

*The following message was sent by the IEEE Treasurer on 13 January*

To: IEEE Finance Committee Members with copy to IEEE Board of Directors

**Please distribute this information to the treasurers in your operating unit and ask that they spread the message.**

Due to the travel restrictions resulting from the COVID-19 pandemic, the IEEE travel policy remains unchanged from 2020 and is restricted to mission critical travel only. This policy was last communicated/updated by Joe Lillie, 2020 IEEE Treasurer on 26 October 2020. The intent of this process is to promote safe travel for IEEE Volunteers; therefore, this applies to ALL IEEE VOLUNTEER TRAVEL, including conferences.

As a reminder, the current IEEE travel guidance includes the following:

1. All IEEE Volunteer travel and associated meetings must adhere to all appropriate guidance from cognizant local public health authorities.
2. Given continuing global pandemic risk, **only mission critical travel** should be conducted at this time.
3. All requests for reimbursable mission critical IEEE volunteer travel must be pre-approved at the IEEE Volunteer OU President/Vice-President level (TAB Vice President, MGA Vice President, PSPB Vice President, EAB Vice President, Awards Board Chair, Standards Board President and the IEEE-USA President). OU Presidents/Vice-Presidents may delegate this authority to another volunteer, but should ensure that travel is reviewed to ensure that it is critical, necessary, effective and that other alternatives have been considered.
4. Volunteers engaged in mission critical IEEE travel at this time voluntarily elect to participate in the activity with knowledge of the dangers involved, and are agreeing to accept and assume any and all risks of property damage, personal injury, or death associated with IEEE related travel. Volunteers should understand that IEEE will not indemnify them for any health risk or economic or other loss resulting from exposure to COVID-19 during travel.
5. IEEE will not reimburse costs associated with mandatory or self-quarantine or isolation associated with IEEE volunteer travel. If there is a risk of quarantine on entering or departing an area, IEEE volunteers should instead plan to participate virtually using IEEE video and teleconferencing tools.
6. IEEE continues to provide video-conferencing, tele-conferencing and online meeting facilities to provide alternatives to high-risk travel.
7. Domestic and International rules remain fluid and subject to change. Until further notice, volunteers should take steps to ensure that travel arrangements are flexible and subject to change, credit or refund if plans are disrupted, in accordance with previously issued IEEE guidance.
8. IEEE recommends that if you have any questions, please contact your OU staff business solutions manager or OU volunteer leadership. Further communication will be sent when normal travel plans can be resumed.

Please stay safe and thank you for your assistance and understanding in these difficult times.



Best Wishes,  
Mary Ellen Randall, IEEE Treasurer

# Sections Congress Virtual Training Event 2021

9-11 April 2021

- ▶ Virtual training event open to all OU Volunteers
- ▶ Three days of sessions, networking opportunities, keynotes, and a virtual exhibit
- ▶ Attendees are able to register in advance for sessions they are interested in attending
- ▶ Sessions to be recorded and posted on the IEEE Center for Leadership Excellence (CLE) <https://iee-elearning.org/CLE/>
- ▶ Each day's block of sessions to be offered at scheduled times spanning across various time zones
- ▶ Registration opens in March
- ▶ Check <https://sections-congress.ieee.org/2021-virtual-sections-congress/> for up to date information

Session Titles
Improving Young Professional Activities in Your Section
Experiences and learned lessons from the IEEEExtreme Competition
Best Practices for Engaging Students and Student Branches
Engaging Women in Engineering Volunteers
Effective Membership Development and Retention
Volunteer Recruitment and Succession Planning
MGA Training Resources
Becoming Leaders through IEEE Volunteering
Continuing Education
Developing IEEE Network
IEEE Sections and Societies Working Together/Building Local Technical Communities in Chapters
Improving Local OU Engagement (Sections/Chapters/AGs)
How to Make IEEE More Relevant to the Working Engineer
Section Operation Fundamentals - Section Vitality
Ways to Engage Your OU in IEEE Humanitarian & Philanthropic Programs
NIC/Fundraising Opportunities
Conducting Business in Virtual Environment



# Two Milestone Dedications in Japan in March

*Past President Toshio Fukuda participating*

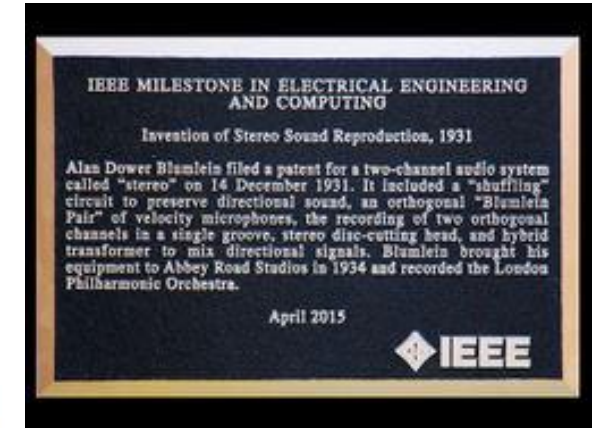


## ▶ Physical Contact Push-Pull Technology for Fiber Optic Connectors, 1986

- Invented by Nippon Telegraph and Telephone Corp. (NTT)
- 22<sup>nd</sup> for IEEE Tokyo Section

## ▶ Inverter Air Conditioners, 1980-1981

- Developed and mass-produced by Toshiba
- 5<sup>th</sup> for IEEE Nagoya Section



# Giant Metrowave Radio Telescope Milestone Dedication

IEEE Foundation  
Donor  
Supported  
Program

*Third IEEE milestone in India*

- ▶ One of the largest and most sensitive low frequency (110–1460 MHz) radio telescopes in the world
- ▶ Consisting of 30 antennas of 45m diameter each, spanning 25km
- ▶ 1<sup>st</sup> milestone for Pune Section
- ▶ Past President Toshio Fukuda to participate in official plaque unavailing ceremony
  - Planned for 30 March 2021



# 2020 IEEE Conferences Reached New Publishing Milestone

*205K+ papers published in IEEE Xplore®*

- ▶ Outpaced the number of papers published in IEEE Xplore® in 2019
- ▶ Supported authors and the community
- ▶ Ensured that IEEE Xplore® remained a robust source of technical content

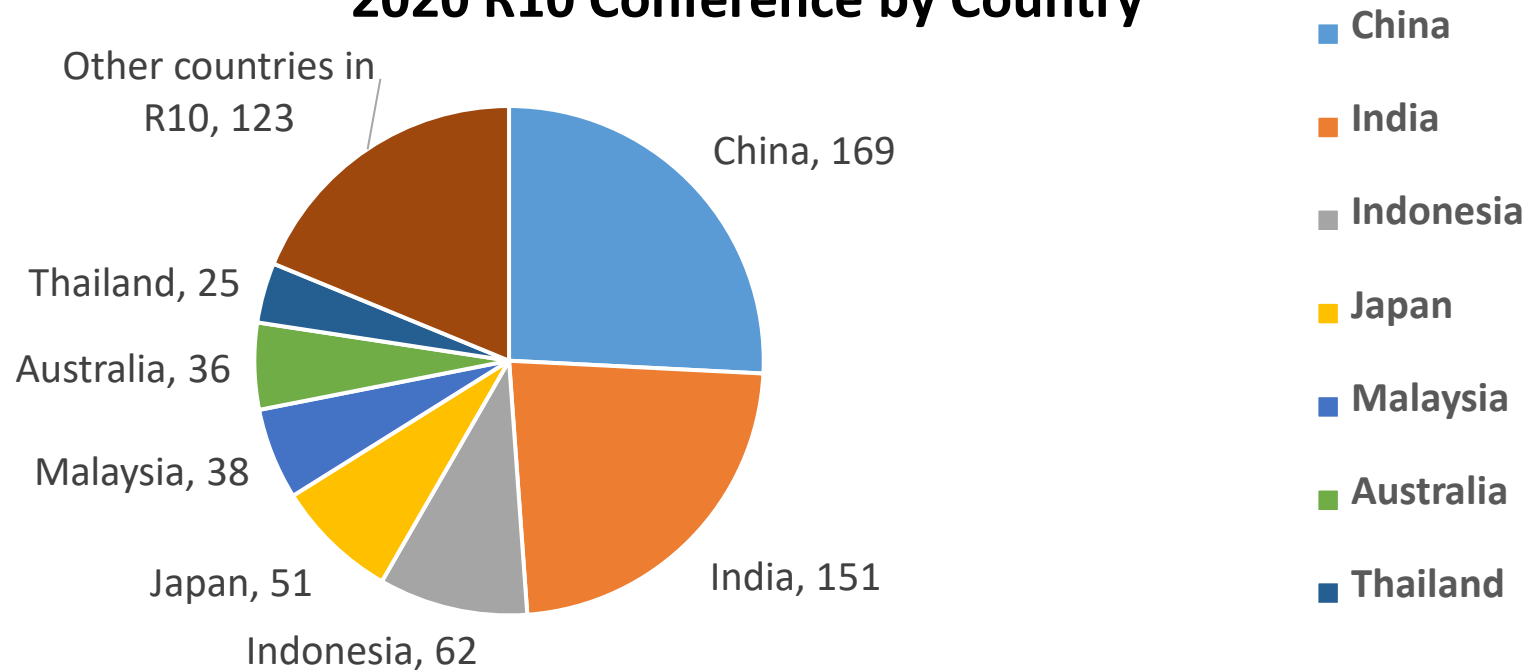




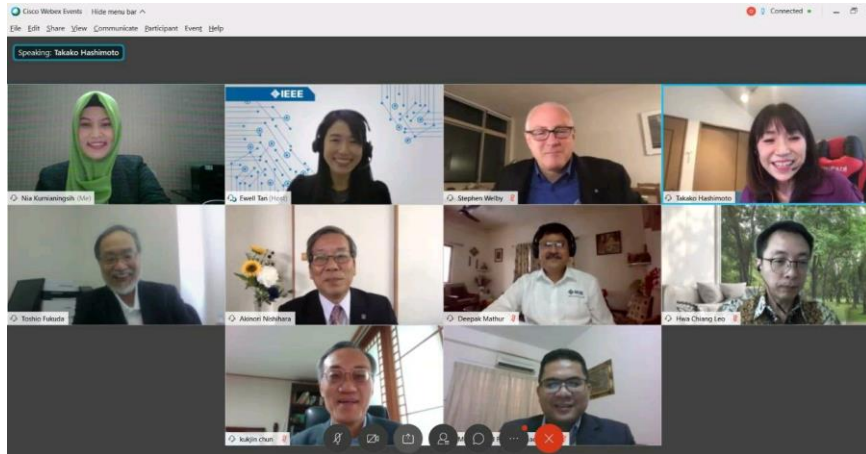
# 2020 IEEE Conferences in Region 10

Year	Total	Financial Sponsored	Technical Sponsored	Virtual	Hybrid
2020	655	294	361	405	250

**2020 R10 Conference by Country**



# Some Virtual Events in Region 10 in 2020



IEEE R10 Director's Dialoge



IEEE Region 10 Symposium (TENSYMP) 2020



IEEE R10 SYWL Congress 2020



Keynote at 2020 Annual Meeting of China Association of Science & Technology



# 2021 IEEE Virtual VIC Summit and Honors Ceremony



- ▶ Tuesday, 11 May
  - 8:30 am – 12 pm ET
- ▶ Wednesday, 12 May
  - 6:30 pm – 10:00 pm ET
- ▶ Thursday, 13 May
  - 12 pm – 4:00 pm ET
- ▶ IEEE Foundation will be hosting a virtual toast to the recipients on Monday, 10 May
  - Recognition of the award recipients throughout the three-day event



- ▶ VICS Topics:
  - Cybersecurity
  - Diversity, Inclusion, and Women in Engineering
  - Education
  - Healthcare Technologies
  - Renewable Energy
  - Technology in Entertainment



<https://corporate-awards.ieee.org/event/2021-vic-summit-honors-ceremony-gala/>

# IEEE Humanitarian Activities Committee 2021 Strategic Priorities

*Inspiring and enabling impactful humanitarian technology and sustainable development activities across IEEE*

- ▶ Increase engagement with IEEE Societies
- ▶ Strengthen involvement with IEEE Regions
- ▶ Activate partnerships with major OUs
- ▶ Grow recognition of a coordinated HAC/SIGHT brand
- ▶ Develop global collaboration efforts with international agencies and industry
- ▶ Implement operational and process excellence to align with best practices



**Accepting Submissions Now!**  
*Projects Focused on COVID-19 Response*  
[Visit the HAC website for instructions on how to apply](#)



# Amid Global Uncertainty, IEEE Looks to the Future

- ▶ IEEE made a successful pivot in the face of a global pandemic, with a continued focus on member and stakeholder engagement
- ▶ We distributed operations and found new ways to engage virtually
- ▶ We leveraged networking, computing, communications, and video signal processing technologies that IEEE communities helped foster
- ▶ We focused on keeping our members engaged, through education and outreach, and found new ways to support research communities
- ▶ As we look forward to a return to “normal” we believe some of the innovations stress tested during the pandemic will continue, positioning us to better serve our global audience





**IEEE**

*Advancing Technology  
for Humanity*