

# IEEE: Advancing Technology for Humanity

*Jim Jefferies, 2019 IEEE Past President  
IEEE Region 2 Meeting  
Hershey, Pennsylvania  
5 May 2019*

# The Fuel of IEEE

*Who we are*

► Forward-thinking technology professionals coming together

...



S,

and educate,

to discover the next

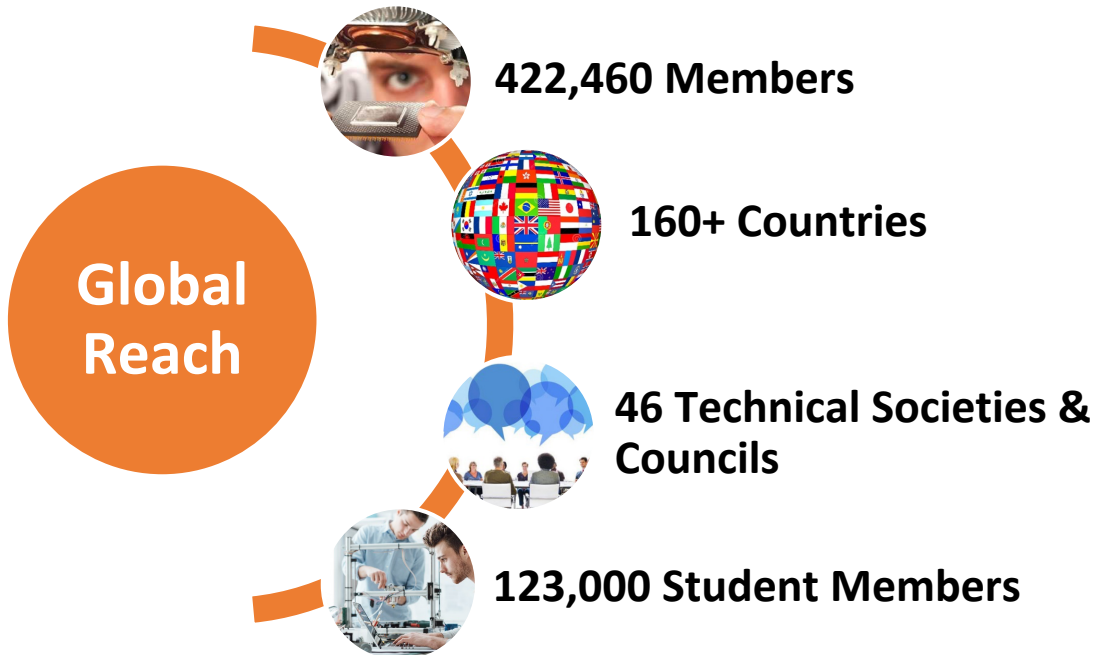
to develop

to form

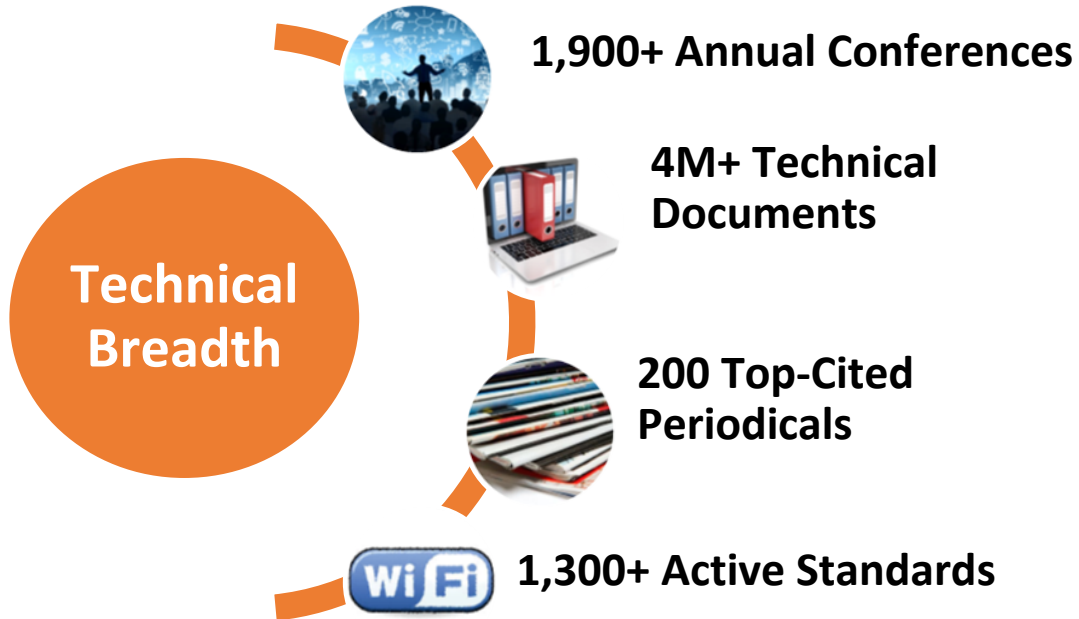
to share research

collaboration.

# IEEE at a Glance



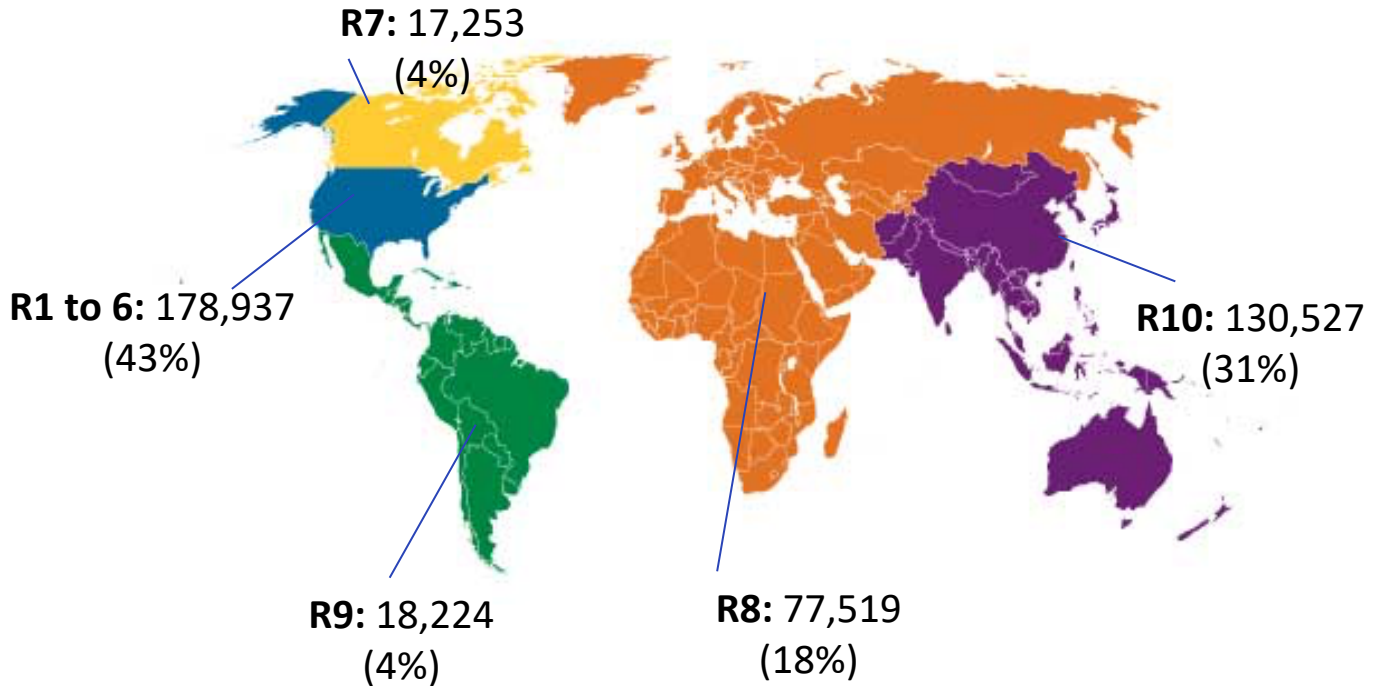
# IEEE at a Glance



# IEEE at a Glance



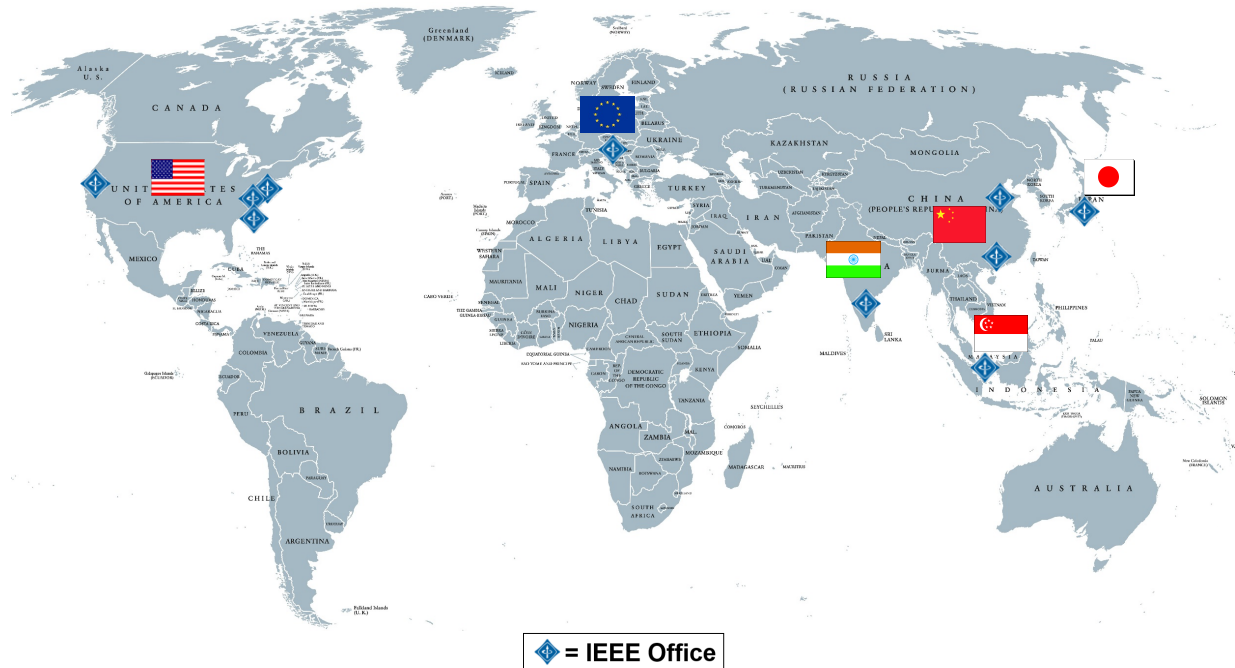
# IEEE: Diverse Membership



**TOTAL MEMBERSHIP 2018: 422,460**

# Global Solutions to Global Challenges

## Worldwide offices



# The Role of IEEE

*As a technical professional association in society*

- ▶ Applying our knowledge
- ▶ Projecting our voice
- ▶ Building our envisioned future





# Board of Directors: 2019 IEEE Strategic Agenda

Adopted as a *\*living document\** by the IEEE Board of Directors on 21 January 2019

	JANUARY	FEBRUARY	JUNE	NOVEMBER
<b>2019 RETREAT TOPIC</b> <i>Goal: Technically vital forums &amp; Expand communities</i> <i>Initiative: Vitality of our core activities</i>	<ul style="list-style-type: none"> <li>Strategic Retreat on Diversity &amp; Inclusion, Future of Membership, Financial Transparency, New Business Opportunities</li> </ul>	<ul style="list-style-type: none"> <li>Retreat Outcomes</li> </ul>	<ul style="list-style-type: none"> <li>Update</li> </ul>	<ul style="list-style-type: none"> <li>Share final 2019 Recommendations</li> </ul>
<b>FINANCIAL PLANNING</b> <i>Initiative: Sustainability of IEEE</i>		<ul style="list-style-type: none"> <li>Budget Guidelines</li> </ul>	<ul style="list-style-type: none"> <li>2020 Budget Update</li> </ul>	<ul style="list-style-type: none"> <li>2020 Budget Approval</li> </ul>
<b>2020-2025 IEEE STRATEGIC PLAN REFRESH</b> <i>Mission: Foster technological innovation and excellence for the benefit for humanity</i>	<ul style="list-style-type: none"> <li>Kick-off</li> </ul>	<ul style="list-style-type: none"> <li>Strategic Planning</li> </ul>	<ul style="list-style-type: none"> <li>Strategic Planning</li> </ul>	<ul style="list-style-type: none"> <li>Final Recommendation</li> </ul>
<b>IEEE FRAMEWORK</b> <i>Goal: Expand communities &amp; Technically vital forums</i> <i>Initiative: Sustainability of IEEE</i>		<ul style="list-style-type: none"> <li>Regional Structure</li> </ul>	<ul style="list-style-type: none"> <li>Africa Strategy</li> <li>Governance Organization and Operations</li> </ul>	<ul style="list-style-type: none"> <li>Humanitarian/Social Good/Public Imperatives</li> </ul>
<b>REVIEW PLANS FOR MAJOR INITIATIVES</b> <i>Initiative: Vitality of our core activities</i>		<ul style="list-style-type: none"> <li>New Initiatives Committee</li> <li>Young Professionals</li> <li>Public Policy</li> </ul>	<ul style="list-style-type: none"> <li>Open Access</li> <li>Conferences: CMFR and New Style Events</li> <li>Entrepreneurship</li> </ul>	<ul style="list-style-type: none"> <li>Industry Engagement</li> </ul>
<b>MERGERS, PARTNERSHIPS, COLLABORATIVE OPPORTUNITIES</b> <i>Goal: Expand communities</i> <i>Initiative: Sustainability of IEEE</i>	<ul style="list-style-type: none"> <li>GlobalSpec</li> </ul>	<ul style="list-style-type: none"> <li>GlobalSpec</li> <li>IEEE Foundation</li> </ul>	<ul style="list-style-type: none"> <li>Educational Opportunities (International Partnerships)</li> </ul>	

# 2019 IEEE Board of Directors Strategic Retreat

*Critical issues and opportunities for members*

- ▶ Diversity, Inclusion, and Professional Ethics
- ▶ Financial Transparency
- ▶ Membership: New Audiences, New Business, Leverage Technology
- ▶ New Business Opportunities



# IEEE Strategic Plan Refresh

*Collaborative efforts underway on update*

- ▶ Current 5-year strategic plan spans 2015-2020
- ▶ A vital part of the ongoing evolution of IEEE
  - The goals our community is pursuing
  - The initiatives that will move IEEE forward in the coming years
- ▶ Working on 2021-2025 refresh
  - Volunteer input
  - Membership feedback
  - Cross-organizational alignment
- ▶ Global survey and focus groups being conducted in April & May



# What's Next?

*Enabling innovation and the creation of new technologies*

- ▶ Today, technologies are merging to create new solutions:
  - Original, cross-discipline collaborations are occurring that never have before
  - New doors are opening for innovation in most areas of technology
- ▶ IEEE is uniquely positioned to be on the leading edge of this emerging technology and to provide the organic technical breadth required for these types of initiatives



# 2019 Future Directions Initiatives



IEEE  
SYMBIOTIC  
AUTONOMOUS  
SYSTEMS™

IEEE  
Quantum



IEEE TAB Ad Hoc  
Roadmaps  
Strategy and  
Governance (IRSG)

# Graduated Initiatives



# IEEE Foundation

*Enabling IEEE's programs through philanthropy*

- ▶ Inspires Donations to IEEE - Bringing visibility, focus, scale, impact, and relevance to the work of IEEE through philanthropy
- ▶ Manages Donations for IEEE - Ensuring effective financial management and strong governance
- ▶ Invests in Programs of IEEE - Turning the donations into action and impact through IEEE programs



## IEEE Foundation



# The Magic of IEEE Members

*Our people are the basis of our success*

- ▶ Our members create so much of the value in IEEE
  - Volunteer their time
  - Guide our direction
  - Organize conferences
  - Write and edit journals
  - Support public policy visits
  - Participate in Standards working groups



# The Value of IEEE Membership

- ▶ **Engage** with IEEE's activities and initiatives
- ▶ **Inspire** participation from fellow colleagues
- ▶ **Celebrate** our achievements and all that IEEE does for the benefit of humanity





**Questions?**

شكرا  
Баярлалаа  
спасибо  
nami  
nandiri  
bayaralaa  
gracie  
soboti  
dekuji  
mes  
didi madloba  
kam sah hamnida  
rahmat  
তোমাকে ধন্যবাদ

рахмат  
danke  
faafetai lava  
kiitos  
dankie  
dhanyavadi  
hvala  
mauruuru  
koszonom  
sagolun

mersi  
kia ora  
barka  
welalin  
tack  
spas  
dank je  
misaotra  
matondo  
paldies  
grazzi  
mahalo  
tapadh leat

ngiyabonga  
teşekkür ederim  
vinaka  
спасиגי  
blagodaram  
akun  
dankon  
aiçiu

thank you

gracias  
xвала  
asante  
manana  
obrigada  
murakoze  
tenki

dziękuje  
chnorakaloutioun  
gratias ago  
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sulpay  
go raibh maith agat  
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sukriya  
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taiaku  
arigatō  
takk  
dakujem  
trugarez

ありがとうございます  
tanemirt  
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merci  
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merci

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merc

