

# IEEE – Advancing Technology for Humanity

*Jim Jefferies, 2019 IEEE Past President*

*IEEE Region 8 Meeting*

*Valencia, Spain*

*12 October 2019*





# Engaging Technical Experts from around the World

*IEEE's global network provides unique opportunities*

- ▶ Connect with technical experts shaping cutting-edge research
- ▶ Convene with global thought leaders to better understand emerging trends, policy issues, and partnership opportunities
- ▶ Shape technical standards with international reach
- ▶ Recruit and grow top technical talent



# 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> Goal: Technically vital forums & Expand communities Initiative: Vitality of our core activities	<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> Initiative: Sustainability of IEEE		<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> Mission: Foster technological innovation and excellence for the benefit for humanity	<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>Strategy Session with BoD</li> </ul>	<ul style="list-style-type: none"> <li>Final Recommendation</li> </ul>
<b>IEEE FRAMEWORK</b> Goal: Expand communities & Technically vital forums Initiative: Sustainability of IEEE		<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> Initiative: Vitality of our core activities		<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>Conference Finance Management</li> <li>Entrepreneurship</li> </ul>	<ul style="list-style-type: none"> <li>Industry Engagement</li> </ul>
<b>MERGERS, PARTNERSHIPS, COLLABORATIVE OPPORTUNITIES</b> Goal: Expand communities Initiative: Sustainability of IEEE	<ul style="list-style-type: none"> <li>GlobalSpec</li> </ul>	<ul style="list-style-type: none"> <li>GlobalSpec</li> <li>IEEE Foundation</li> </ul>		

# 2019 IEEE Ad Hoc Committees

*Foster continuity in IEEE's strategic direction*

- ▶ IEEE Ad Hoc Committee on Activities on Contracting
- ▶ IEEE Ad Hoc Committee on Diversity, Inclusion, and Professional Ethics
- ▶ IEEE Ad Hoc Committee on Transparency in Meetings, Document Classification, and Elections
- ▶ IEEE Ad Hoc Committee on New Membership Models and Opportunities
- ▶ IEEE Ad Hoc Committee on Publications Strategy



# 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 2020-2025 refresh
  - Volunteer input
  - Membership feedback
  - Cross-organizational alignment

**IEEE STRATEGIC PLAN 2015-2020**  
Advancing Technology for Humanity

**Our Mission**  
We foster technological innovation and excellence for the benefit of humanity.

**Our Vision**  
We 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.

**Core Values**  
Trust  
Global Community Building  
Integrity in Action  
Service to Humanity  
Partnership  
Growth & Nurturing

**2015-2020 Goals**

- Expand and enable dynamic, nimble, flexible, diverse, communities to help individuals from around the world to share, collaborate, network, debate, and engage with one another.
- Lead humanitarian efforts around the world to use technology to solve the world's most challenging problems.
- Provide technically vital forums for the discussion, development, and dissemination of authoritative knowledge related to traditional technologies while focusing more of our resources towards serving the professionals working on emerging and disruptive technologies.
- Leverage IEEE's technology-related insight to provide governments, NGOs, and other organizations and the public with innovative, practical recommendations to address public policy issues.

**Key Initiatives Supporting The Goals**

- Provide more opportunities, products, and services aimed at increasing our value to professionals working in the industry, particularly younger professionals and entrepreneurs.
- Develop programs in public service focused on knowledge and technology in our fields of interest related to public policy and humanitarian efforts.
- Ensure the vitality and relevance of our core activities in standards, conferences, education, and publications while providing increased value to our members.
- Evaluate and adapt organizational structures and processes to meet the demands of a changing environment while managing the financial and sustainable health of IEEE.

[www.ieee.org/strategic-plan](http://www.ieee.org/strategic-plan)  
Approved by the IEEE Board of Directors on 21 June 2015

**IEEE is a Global Organization**

- We represent more than 423,000 members in more than 146 countries, with 14 Societies and Technical Councils covering a wide range of IEEE technical interests.
- We publish more than 190 transactions, journals, and magazines.
- We sponsor more than 7,900 conferences in more than 93 countries.
- We have developed more than 1,800 standards and projects.
- We have more than 300 Societies in our 10 geographic Regions.
- We have more than 6 million documents in the IEEE Xplore® Digital Library.
- We have offices in Austin, China, India, Japan, Singapore, and the United States.

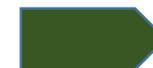
# IEEE Strategic Plan Refresh

*2019 Ongoing effort*

## I. Stakeholder Input



## II. Plan Refresh



## III. Roll-out

### February-April

- ▶ Update to the IEEE BoD
- ▶ Committee launch and preliminary work
- ▶ Partner with firm on Strategy

### May-June

- ▶ Survey and Focus Groups launched
- ▶ Update to the IEEE BoD at May telecon
- ▶ Session with the IEEE BoD in June facilitated by E&Y

### July-August

- ▶ Engagement with stakeholders
- ▶ Refinement of work

### September

- ▶ Continued work on refresh
- ▶ Update to the IEEE BoD at telecon 26 Sept

### November & Beyond

- ▶ 2020-2025 recommendation to the Board for approval at Nov meeting
- ▶ If approved, roll-out including communication with all levels

# IEEE Strategic Plan Refresh

*Objective: Update the 2015 Strategic Plan to help guide IEEE priorities through 2025*

- ▶ Five new goals and one overarching statement crafted from input received in member and non-member survey, focus groups, and session with the Board in June
- ▶ Strategy and Alignment committee members are sharing with select OU groups and providing high-level feedback
- ▶ Final recommendation will be brought to the Board for approval at the November meeting



# Diversity at IEEE

*We are a global organization*

- ▶ Gender
- ▶ Geography
- ▶ Work sectors
- ▶ Ethnicity and race
- ▶ Age



# Inclusion at IEEE

*Receiving the full benefits of membership*

- ▶ Leadership roles
- ▶ Committee involvement
- ▶ Publishing opportunities
- ▶ Conference participation
- ▶ Award recognition
- ▶ Critical for member and volunteer recruitment, retention, and engagement





# Why are Diversity and Inclusion Important for IEEE?

- ▶ Diverse organizations are more creative, perform better, and have higher satisfaction rates
- ▶ Attracting, retaining, and engaging diverse members is essential for the IEEE to thrive
- ▶ IEEE can help guide the profession, which struggles to attract/retain diverse employees
- ▶ IEEE can make things better for the next generation of technologists



# 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



# 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



# IEEE Volunteer Opportunities

*You can impact the future success of the organization*

- ▶ Advance your knowledge in all aspects of and the sciences
- ▶ Help guide the evolution of your field
- ▶ Network with others from around the world
- ▶ Hone product and project management
- ▶ Gain confidence and develop presentation skills



**Thank you to all volunteers for what you do day  
in and day out.**

