



IEEE President-Elect Address

Kathleen Kramer, 2024 IEEE President-Elect
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2 March 2024
Kuala Lumpur, Malaysia

Quick Introduction

2024 IEEE President-Elect

- ▶ Professor of Electrical Engineering at the University of San Diego in California
 - My teaching interests are in the areas of signal processing, mechatronics and robotics, and communication systems
- ▶ A member of technical staff at several companies, including ViaSat, Hewlett Packard, and Bell Communications Research
- ▶ Fellow of ABET and a leader in the development of criteria for cyber security, mechatronics, and robotics



IEEE:

- IEEE Secretary and Chair of Governance
- IEEE Region 6 (Western USA) Director
- Chair of the 2023 IEEE Ad Hoc Committee on Innovating Funding Models
- Distinguished Lecturer for the IEEE Aerospace and Electronic Systems Society (AESS) and a past vice president of the society

My Priorities to Impact the Future of Our IEEE

Goal: Advancing Technology for Humanity on Many Fronts



Inspire and engage the next generation of IEEE members, especially women, young professionals, and students.



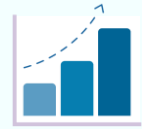
Better advance technology by including the organization's global and diverse members effectively and equitably in the process.



Collaborate as a community on IEEE's transformational public imperatives including education, history, humanitarian technologies, and policy.



Improve the effectiveness and efficiency of IEEE while honoring its obligations to members.



Empower the success of IEEE's technical communities worldwide in sharing and fostering technical knowledge and enhancing members' professional lives.



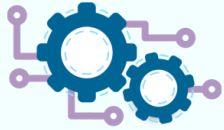
Inspire and engage the next generation of IEEE members, especially women, young professionals, and students.

- ▶ All these groups are a part of MY IEEE
- ▶ They fuel our innovations
- ▶ They are the energy that we need
- ▶ They lead the most relevant industry perspectives for our future
- ▶ Transitioning Young Professionals to higher grade members is our most meaningful metric and brightest path to growing industry relevance



Better advance technology by including the organization's global and diverse members effectively and equitably in the process.

- ▶ IEEE is a global organization
- ▶ Provide growth, learning, and a meaningful exchange of contributions
- ▶ Embrace our members' different:
 - Technical needs
 - Contributions
 - Motivations
 - Career stage



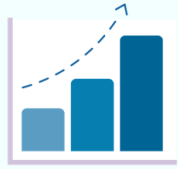
Collaborate as a community on IEEE's transformational public imperatives including education, history, humanitarian technologies, and policy.

- ▶ These public imperatives were my first motivation for becoming an IEEE leader
- ▶ The true game changers
- ▶ Advances from and for our core technical strengths
- ▶ Need meaningful collaborative effort with accountability



Improve the effectiveness and efficiency of IEEE while honoring its obligations to members.

- ▶ Adapting our thinking, our processes, and our structures for a thriving and sustainable future IEEE
- ▶ We are challenged to change, for today and for the IEEE of tomorrow's business environment



Empower the success
of IEEE's technical
communities
worldwide in sharing
and fostering technical
knowledge and
enhancing members'
professional lives.

- ▶ This underlies everything we do
- ▶ Teaming towards strategic goals that allow the whole to become greater than the sum of the parts

How Do I Lead?

Leadership Through...

- ▶ Excellence
- ▶ Impact
- ▶ Passion
- ▶ **Empowerment**
- ▶ Engagement



...Authority, Transaction, Delegation, Participation

IEEE Board of Directors and other OU Activities in 2024



2024 Ad hoc Committees

- Leadership Continuity and Efficiency
 - Chair David Koehler
- Policies and Procedures for Lists Related to Disciplinary Action
 - Chair W. Clem Karl
- Raising the Prestige of IEEE Awards
 - Chair K. J. Ray Liu

IEEE Strategy and Alignment Committee

- Committee on Technology for a Sustainable Climate
- Continuation of IEEE in 2050
- IEEE Strategic Plan Refresh

Task Forces

- Engaging Students and Young Professionals in Industry (led by MGA with Student Activities Committee, Young Professionals, and Industry Engagement Committee)
- Future of Technical and Engineering Education (led by EAB with support from across the OUs and external partners)
- Subcommittee on Enabling Strategic Investments and Public Imperatives (reporting to the IEEE Finance Committee)

A network diagram background consisting of a complex web of interconnected nodes and lines. The nodes are represented by colored circles in shades of blue, orange, purple, and teal. Some nodes are highlighted with dashed circles. The lines are thin and grey, creating a mesh-like structure.

IEEE Strategic Plan Refresh

IEEE Strategic Plan Refresh

- ▶ IEEE is refreshing its strategic plan
- ▶ The IEEE Strategy & Alignment Committee is partnering with EY Parthenon on this effort
- ▶ The IEEE Board of Directors has ultimate ownership of the plan
- ▶ Engagement includes cross OU input, stakeholder interviews, focus groups, surveys, and more.
- ▶ Once approved, roll-out will include communication with all levels.

The graphic features a dark blue header with the text 'IEEE Strategic Plan' and '2020-2025' in white. The background is a network of glowing blue nodes and lines. On the right side, there is a stylized globe with a network overlay. The main content is divided into three sections: 'OUR MISSION', 'OUR VISION', and 'CORE VALUES'. 'OUR MISSION' and 'OUR VISION' are in the top left. 'CORE VALUES' is in the middle left, with a circular diagram of five values. 'IEEE WILL:' is in the top right, with a bulleted list. At the bottom right is the IEEE logo and tagline.

IEEE Strategic Plan 2020-2025

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
- Growth & Nurturing
- Partnership
- Service to Humanity
- Global Community Building
- Integrity in Action

IEEE WILL:

- Drive global innovation through broad collaboration and the sharing of knowledge
- Enhance public understanding of engineering and technology and pursue standards for their practical application
- Be a trusted source of educational services and resources to support life-long learning
- Provide opportunities for career and professional development
- Inspire a worldwide audience by building communities that advance technical interests, inform public policy, and expand knowledge for the benefit of humanity

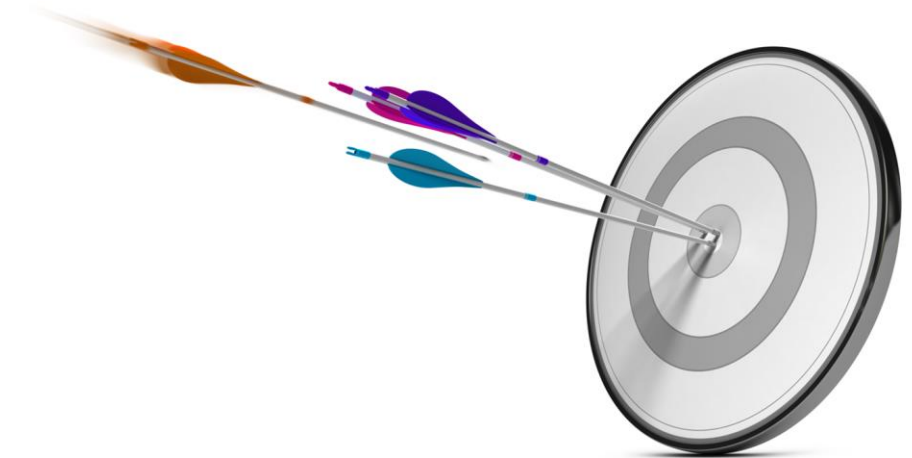
IEEE will foster a collaborative environment that is open, inclusive, and free of bias and will continue to sustain the strength, reach, and visibility of our organization for future generations.

www.ieee.org/strategic-plan
Approved by the IEEE Board of Directors, November 2019

IEEE
Advancing Technology for Humanity

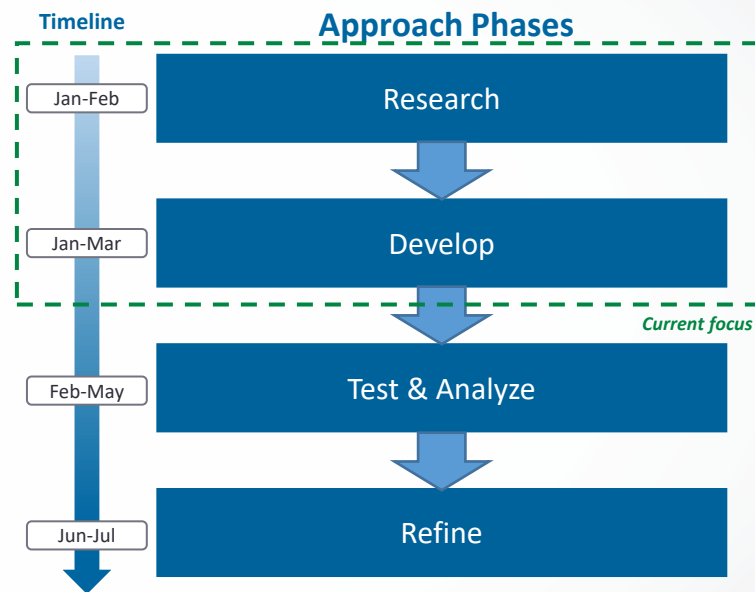
IEEE Strategic Plan Refresh Objectives

- ▶ A refresh is typically focused on updating the goals of the plan.
- ▶ The mission and vision remain constant over long periods of time.
- ▶ Typically, core values remain constant as part of the organization's identity.
- ▶ As in the previous refresh, ensuring alignment, OU, and member input will be a priority.



IEEE will work in partnership with EY-Parthenon on this strategy refresh and will be conducting the following types of activities:

- ▶ Project launch with the IEEE Board of Directors and the IEEE Strategy and Alignment Committee, followed by ongoing engagement with these groups
- ▶ Market research into technology mega trends and IEEE's peer organizations
- ▶ Interviews, focus groups, and surveys with key IEEE stakeholders
- ▶ Revenue analysis on IEEE's products and services
- ▶ Recommendation to the Board for approval



IEEE
140
1884 - 2024
YEARS

*Celebrating **140 Years**
of Advancing Technology
for Humanity*

A network diagram background consisting of a complex web of interconnected nodes and lines. The nodes are represented by small colored circles in shades of blue, orange, purple, and teal. Some nodes are highlighted with dashed circles. The lines are thin and gray, forming a dense, interconnected structure.

Thank you!

Questions/Discussion