



IEEE President-Elect's Introduction

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Agenda

- ▶ My Background
- ▶ My Four Main Focuses:
 - Membership
 - New Business
 - IEEE Financials
 - Major Units Working Together
- ▶ A Member- and Volunteer-led Organization

My Background

- ▶ Philip L. and Marsha Dowd University Professor, Electrical and Computer Engineering Department, Carnegie Mellon University, Pittsburgh, PA, USA
- ▶ President and co-founder of SpiralGen
- ▶ 2016 Vice President of IEEE Technical Activities
- ▶ 2012 IEEE Division IX Director
- ▶ Founding member of IEEE Portugal Section



Membership

Dramatically increase IEEE membership through enhanced member value

- ▶ How can we double or triple our membership?
 - 4 million unique users of IEEE Xplore® Digital Library
 - 120,000 on IEEE Collabratec, 39,000 are IEEE Members
 - Technical Communities' non-member rosters
- ▶ Leverage technology to provide enhanced value to our members in different regions, age groups, and industry segments
 - Networking / mentoring
 - New membership models
 - New products and services



New Businesses

Opportunities and challenges

► Revenue generators:

- Membership
- 1,800+ conferences
- 50,000+ articles published in IEEE periodicals in 2017
- 1,300+ active standards and 500+ under development
- 4 million documents in IEEE *Xplore*® Digital Library
 - 8 million downloads monthly

► Perceived challenges:

- Open access



Code Ocean and Data Port

New programs focused on reproducibility

▶ **With Code Ocean, researchers can share and run their code published in IEEE *Xplore***

- Cloud-based executable research platform makes the code discoverable on *Xplore*
- Authors upload unlimited algorithmic code referenced in their articles to Code Ocean at time of article submission or thereafter at no cost



▶ **Using IEEE DataPort™, researchers can share, access, and analyze Big Data from research**

- Designed to discover and retain each study's data for reproducible research
- Download datasets or access in the cloud
- Every Society Member receives a free subscription to IEEE DataPort upon login as an added member value



ieeexplore.ieee.org/code-ocean

<https://ieee-dataport.org>

IEEE Financials

Progress in transparency for better management

- ▶ Overcome operational deficit
 - Balanced budget
 - Healthy reserves
- ▶ Promote ongoing efficiencies
- ▶ Reduce costs without affecting quality
- ▶ Invest in our future



Major Units Working Together

These issues concern all IEEE members

- ▶ Need to address the issues together:
 - Across the Operating Units
 - Among Board, Societies, Sections, Regions
 - Volunteers and Professional Staff



IEEE is a Member- and Volunteer-led Organization

Strive for an open organization

- ▶ Champion transparency at all IEEE levels:

- Financial transparency
- Governance transparency
- Member relevancy



Comments / Questions?