IEEE President’s Report
José M. F. Moura, 2019 IEEE President and CEO
Region 10 Annual General Meeting
2 March 2019
Brief Bio

- Born, raised Mozambique
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- Studied in Portugal (IST)
- Doctor Science in US (MIT)
- CMU Professor
Brief Bio

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

- 422K+ members, 160+ countries
- 1,100+ staff, 10 offices, 6 countries
- $500 M business
- 46 Societies/Councils
- 1,966 conferences, 561K+ participants
- 4.5 M distinct documents in *Xplore*
- 200+ journals
- 1,250 active standards (Wi-Fi, Bluetooth,...)

Data as of 31 December 2018
39 Societies+7 Councils
IEEE: Diverse Membership

- **R1 to 6**: 178,937 (43%)
  - 339 sections
  - 2,116 chapters
  - 3,285 student chapters
  - 543 affinity groups

- **R7**: 17,253 (4%)  

- **R8**: 77,519 (18%)  
  - 58 sections
  - 6 councils
  - 668 chapters (31%)
  - 1,431 student chapters (43.5%)

- **R9**: 18,224 (4%)

- **R10**: 130,527 (31%)

**TOTAL MEMBERSHIP 2018: 422,460**

Data as of 31 December 2018
IEEE ... Changing Our World

- Just a Few of our Nobel Laureates
  - Guglielmo Marconi 1909
  - Willem Einthoven 1924 (ECG)
  - Edward Appleton 1947 (Radiophys.)
  - Walter Brattain 1956
  - Charles Townes 1964
  - Leo Esaki 1973
  - Isamu Akasaki 2014
  - Hiroshi Amano 2014
  - Shuji Nakamura 2014
Some Recent Technical Communities
Where To Go From Here

Think about the future

- IEEE is a strategic organization: We can’t stand still
- Board of Directors held a strategic retreat (Jan 2019, Cascais, Portugal)
- Major concern: How better serve professionals in IEEE’s areas of interest
- Some of the questions:
  - What do we offer
  - Membership cost is too high
  - Why should young professionals be members
  - Industry professionals have different interests from academics
  - Professionals in different countries have different needs
Membership

we are BIG

... can we GROW

... become VERY BIG
Membership: 4 Million Member Question

Opportunities

▸ What if 4 Million Members?

▸ Would it make sense?

▸ How to engage them?

▸ Value we offer?

▸ What infrastructure
Membership: 4 Million Member Question

Opportunities

- We have 420 thousand
- Engage 1M authors
- 561K Conf attendees
- 10’sK volunteers
- IEEE Db info on 3.5M
- Over 160 countries
Opportunity: Membership

Dramatically increase IEEE membership

- The 4MM Opportunity
  - Double/triple our membership

Data as of 31 December 2018

2018: 422,460

2018: 319,421
Opportunity: Membership

Dramatically increase IEEE membership

- The 4MM Opportunity
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IEEE Memberships

Society Memberships

IEEE Xplore Average Monthly Unique Visitors

5.08M

422,460
Membership: The 4MM Opportunity

The opportunities ahead

▸ Leverage our numbers:
  - Our 4M Xplore articles – mine the data
  - Our 300K uploaded papers every year

▸ Leverage our diversity, geography

▸ Offer other value opportunities:
  - Beyond the “paper” conference, combine academics, career counseling, job fairs, expos, mentorship, entertainment
  - Serve the Young Professionals, industry ...
  - Entrepreneurship

▸ Education:
  - New technologies, new professionals, new parts of the world...
Membership: The 4MM Opportunity

Dramatically increase IEEE membership

- Leverage IT technology:
  - A consumerized IEEE social networking infrastructure
  - A “LinkedIn” model
  - What should be its functionality?
  - New IEEE Mobile App
How Do We Go About IT?

Board Ad-Hocs

- Membership (Chairs VP MGA Grosz and VP TAB Liu)
  - New models
  - Value offered to different segments
  - Infrastructure
- Diversity & Inclusion and Professional Ethics
- Financial Transparency
- Publications and Open Access
- Open IEEE Governance
- ...

Board Ad

Hocs
One IEEE

Challenges and opportunities concern all of us

- Working as a team together:
  - Across Operating Units
  - Boards, Regions, Sections, Societies
  - Volunteers and Professional Staff
2019: A Year in Transition for IEEE

Thank you all volunteers for what you do day in and day out
2019: A Year in Transition for IEEE

Think Big!